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Environmental Assessment
Determinations and Compliance Findings for HUD-assisted Projects
24 CFR Part 58

Project Information

Project Name: Town of Maxton Sewer Lift Station Generators

Project Location: Four existing sewer lift stations in Maxton, Robeson County, NC, at
Maxton Sewer Lift Station **No. 5**, 303 N. Hooper Street, Maxton, NC
Maxton Sewer Lift Station **No. 7**, 904 US 74 Business, Maxton, NC
Maxton Sewer Lift Station **No. 10**, 627 NC Highway 71N, Maxton, NC
Maxton Sewer Lift Station **No. 11**, 2074 NC Highway 71N, Maxton, NC

Federal Agency: U.S. Department of Housing & Urban Development (HUD)

Responsible Entity: North Carolina Office of Recovery and Resiliency (NCORR)

Grant Recipient: Robeson County, North Carolina

State/Local Identifier: B-18-DP-37-0001

Preparer: Andrea Gievers, Environmental SME, NCORR

Certifying Officer Name and Title: Laura H. Hogshead, Chief Operating Officer, NCORR

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Project Location: Maxton Sewer Lift Station **No. 5**, 303 N. Hooper Street, Maxton, NC 28364
Maxton Sewer Lift Station **No. 7**, 904 US 74 BUS, Maxton, NC 28364
Maxton Sewer Lift Station **No. 10**, 627 NC Highway 71N, Maxton, NC 28364
Maxton Sewer Lift Station **No. 11**, 2074 NC Highway 71N, Maxton, NC 28364

The proposed sites for construction (Subject Properties) are located at the four addresses listed above, and have individual maps identifying their locations (**Attachment 1**). The Robeson County Tax Map information for each property is in **Attachment 1**. Maxton Sewer Lift Station (**SLS**) **No. 5** located at 303 N. Hooper Street, Maxton, NC 28364 is Town-owned, identified as Parcel ID 330601026, and consists of 0.41 acre. Maxton **SLS No. 7** located at 904 US 74 BUS, Maxton, NC 28364 is Town-owned, identified as Parcel ID 33030102001, and consists of 0.33 acre. Maxton **SLS No. 10** located at 627 NC Highway 71N, Maxton, NC 28364 is Town-owned, identified as Parcel ID 11030100143, and consists of 0.47 acre. Maxton **SLS No. 11** located at 2074 NC Highway 71N, Maxton, NC 28364 is County-owned, identified as Parcel ID 110202001, and consists of approximately 1.43 acres.

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]**:**

This proposed project is a CDBG-MIT eligible activity pursuant to Section 105(a)(2), Public Facilities and Improvements of the Housing and Community Development Act (HCDA), which includes: the acquisition, construction, reconstruction, or installation (including design features and improvements with respect to such construction, reconstruction, or installation that promote energy efficiency) of public works, facilities (except for buildings for the general conduct of government), and site or other improvements.

During the Hurricane Matthew storm event, the Town of Maxton lost primary power for an extended time, which adversely impacted the Town's ability to maintain proper functioning of its sewage treatment facility and peripheral sewer lift stations. The loss of sewage treatment capacity caused an immediate threat to the public health and safety of the Town's residents resulting from sewage backups into buildings served by the offline sewer lift stations. This proposed project will utilize CDBG-MIT funding to install auxiliary power generators at four existing sewer lift stations which move raw sewage from neighborhoods in the Town to the central processing facility, and will mitigate against potential backups and lack of capacity during future storm events.

The Town of Maxton seeks to purchase and install four (4) generator packages, to include integrated diesel fuel tanks, automatic transfer switching, wiring connections, electrical panels, mounting pads, and the generators. Robeson County, on behalf of the Town of Maxton, has procured engineering services to provide design drawings for the purchase of auxiliary power generators of appropriate sizes to alleviate the effects of future primary power loss, per the following:

1. **SLS No. 5:** One (1) 25kW, 240/120v three-phase, diesel-powered auxiliary power generator will be situated in the northwest quadrant of the property. Generator equipment will include a belly-mounted, integrated 25-gallon fuel tank, battery and charger, and control panel equipment with automatic circuit breakers. The generator will also include automatic transfer switching. In the event of primary power failure, the automatic transfer switch (ATS) will sense loss of primary power and automatically start the generator. Specifications for the ATS include a 400A, 120/240V, 60Hz voltage rating. The switch will be installed adjacent to the new control panel and circuit breaker equipment, 6' above-grade and connected to the generator equipment set via underground conduit. The generator package will be set upon a newly constructed, reinforced concrete pad, 8' x 4' x 8," with 4" of the pad below- and 4" above-grade. New electrical panels and controls will be installed on an erected power panel, attached to metal support poles, anchored 4' below-grade. Electrical connections from the generator to/from the control panel and ATS, and subsequent connections to the lift station will be via underground conduit, installed by directional drilling.

2. **SLS No. 7:** One (1) 40kW, 240/120v three-phase, diesel-powered auxiliary power generator will be situated in the northwest quadrant of the property. Generator equipment will include a belly-mounted, integrated 30-gallon fuel tank, battery and charger, and control panel equipment with automatic circuit breakers. The generator will also include automatic transfer switching. In the event of primary power failure, the ATS will sense loss of primary power and automatically start the generator. Specifications for the ATS include a 400A, 120/240V, 60Hz voltage rating. The switch will be installed adjacent to the new control panel and circuit breaker equipment, 6' above-grade and connected to the generator equipment set via underground conduit. The generator package will be set upon a newly constructed, reinforced concrete pad, 8' x 4' x 8," with 4" of the pad below- and 4" above-grade. New electrical panels and controls will be installed on an erected power panel, attached to metal support poles, anchored 4' below-grade. Electrical connections from the generator to/from the control panel and ATS, and subsequent connections to the lift station will be via underground conduit, installed by directional drilling. **SLS No. 7** is the only site where the existing fence will be extended to accommodate generator placement on the western side of the current fence line.

3. **SLS No. 10:** One (1) 60kW, 240/120v three-phase, diesel-powered auxiliary power generator will be situated in the southwest quadrant of the property. Generator equipment will include a belly-mounted, integrated 35-gallon fuel tank, battery and charger, and control panel equipment with automatic circuit breakers. The generator will also include automatic transfer switching. In the event of primary power failure, the ATS will sense loss of primary power and automatically start the generator. Specifications for the ATS include a 400A, 120/240V, 60Hz voltage rating. The switch will be installed adjacent to the new control panel and circuit breaker equipment, 6' above-grade and connected to the generator equipment set via underground conduit. The generator package will be set upon a newly constructed, reinforced concrete pad, 8' x 4' x 8," with 4" of the pad below- and

4" above-grade. New electrical panels and controls will be installed on an erected power panel, attached to metal support poles, anchored 4' below-grade. Electrical connections from the generator to/from the control panel and ATS, and subsequent connections to the lift station will be via underground conduit, installed by directional drilling.

4. **SLS No. 11:** One (1) 40kW, 240/120v three-phase, diesel-powered auxiliary power generator will be situated on the southern edge of the subject property. Generator equipment will include an integrated 30-gallon fuel tank, battery and charger, and control panel equipment with automatic circuit breakers. The generator will also include automatic transfer switching. In the event of primary power failure, the ATS will sense loss of primary power and automatically start the generator. Specifications for the ATS include a 400A, 120/240V, 60Hz voltage rating. The switch will be installed adjacent to the new control panel and circuit breaker equipment, 6' above-grade and connected to the generator equipment set via underground conduit. The generator package and electrical panels and circuitry will be mounted on a steel frame 2' feet above base flood elevation (BFE). The steel frame will be mounted on steel posts, anchored 4' below current grade. Electrical connections from the control panel and ATS equipment will be made at the terminating panels within the lift station via underground conduit, installed by directional drilling.

All generator equipment at all sites will be placed on concrete pads above surrounding ground elevation with **SLS No. 11** improvements placed at least two feet above BFE. The Subject Properties each contain a sewer lift station that is fenced-in with a locked gate (see **Attachment 1A:** Subject Properties' Site Visit Photographs).

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The Town of Maxton operates eleven sewer lift stations, designed to deliver liquid and solid waste through 27 miles of gravity sewer lines and 3 miles of force main lines to the Town's two waste water treatment plants. The plant and sewer lift stations were constructed in the early 1960s and early 1980s, and has a total treatment capacity of 600,000 gallons per day. Hurricane Matthew caused widespread primary power outages in Maxton and throughout Robeson County causing failures to function at all eleven sewer lift stations, resulting in waste backups throughout the Town's sewer system due to the lack of auxiliary power availability at the sewer lift stations. The presence of auxiliary power capability at even four of the lift station sites would have offset the harmful effects of primary power loss; however, the Town did not have generators, either fixed or mobile, available for use, until days following the storm. During the intervening time period, the aforementioned force main lines, originating in the system's sewer lift stations infrastructure, allowed waste water and solids to backflow to the end users in the Town.

In the absence of effective waste water treatment, threats to public safety arising from lack of processing capability are of chief concern to the Town and County. After taking into account the capability of the overall system to transport waste to the main treatment plant, four sewer lift stations were identified as those necessary for the overall system to function in the event of primary power loss. These four sewer lift stations have been prioritized as those sites requiring auxiliary power sources and automatic switching capability. The generators will provide auxiliary power at

the four sewer lift stations during power outages, such as those experienced during Hurricane Matthew. Providing this critical infrastructure will ensure that sewage treatment may continue in the event of loss of primary power and alleviate severe threats to public welfare during and after future storm events.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The Subject Properties contain four existing fenced-in sewer lift stations. The Maxton sewer lift station **SLS No. 5** was built in 1967. Maxton **SLS Nos. 7**, **10**, and **11** were built in 1980. All sewer lift station equipment is underground, encased in concrete-walled bunkers. The proposed improvements will be aboveground and connected to the underground facilities via underground conduit and wiring. Each Subject Property contains a sewer lift station surrounded by cyclone fencing that incorporates vehicle gate access.

Maxton Sewer Lift Station **No. 5**, 303 N. Hooper Street, Maxton, NC 28364, is surrounded mostly by single-family homes with a vacant field adjacent north and the Rob Henderson Memorial Park further north. Maxton Sewer Lift Station **No. 7**, 904 US 74 BUS, Maxton, NC 28364, has single-family homes adjacent to the north and east, a wetland and riverine then single-family homes to the west, and businesses including Kids Campus day care across West Dr. Martin Luther King, Jr. Drive/ US 74 Business and a mini-storage facility located to the southwest. Maxton Sewer Lift Station **No. 10**, 627 NC Highway 71N, Maxton, NC 28364, is surrounded mostly by single-family homes. Maxton Sewer Lift Station **No. 11**, 2074 NC Highway 71N, Maxton, NC 28364, has the Campbell Soup Company located to the east across its access road from the site, the Lumber River and associated forest to the west and south, and a single-family house and farm to the north across NC Highway 71N.

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DP-37-0001	CDBG-MIT	$688,600.00

Estimated Total HUD Funded Amount: $688,600.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]**:** $688,600.00

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes ☐ No ☒	Based on guidance provided by HUD Fact Sheet #D1, the National Plan of Integrated Airport Systems (NPIAS) was reviewed for civilian, commercial service airports located near the Subject Properties. There are no civilian, commercial service airports located within 2,500 feet of the four Subject Properties, **SLS No. 5**, 303 N. Hooper Street, **SLS No. 7**, 904 US 74 BUS, **SLS No. 10**, 627 NC Highway 71N, and **SLS No. 11**, 2074 NC Highway 71N. The Laurinburg-Maxton Airport (MEB) is located within 15,000 feet from **SLS No. 5**, 303 N. Hooper Street (3.15 miles), **SLS No. 7**, 904 US 74 BUS (2.63 miles), **SLS No. 10**, 627 NC Highway 71N (1.56 miles), and **SLS No. 11**, 2074 NC Highway 71N (1.6 miles). According to the FAA Airport Master Record, this airport is not used for military/civil joint use. There are no military airfields located within 15,000 feet of the Subject Properties. No additional review is required. **Attachment 2:** NEPAssist Maps with 2,500-foot Buffer and 15,000-foot Buffer Showing Airports and FAA Airport Master Data for MEB.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes ☐ No ☒	Based on the U.S. Fish and Wildlife Service (USFWS) Coastal Barrier Resources System Map, the Subject Properties are not located in or immediately adjacent (within 150 feet) to a Coastal Barrier Resource System Unit or

		Otherwise Protected Area. No additional review is required. **Attachment 3:** USFWS CBRS Maps.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes ☐ No ☒	Based on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) panel 3710838400K, effective on 1/19/2005, **SLS No. 5**, 303 N Hooper Street is located in Zone X. Based on the FEMA FIRM panel 3710839600L, effective on 12/6/2019, and Preliminary FIRM (PFIRM) dated 8/29/2014, **SLS No. 7**, 904 US 74 BUS and **SLS No. 10**, 627 NC Highway 71N are located in Zone X *(PFIRM only shows **SLS No. 10**)*. Based on the FEMA FIRM panel 3710930700M, effective on 12/6/2019, and PFIRM dated 8/29/2014, **SLS No. 11**, 2074 NC Highway 71N is located in Zone AE. **SLS No. 11** is the only site located within a FEMA designated flood zone (100-year floodplain, Special Flood Hazard Area [SFHA] – Zone AE). The four Subject Properties are not located within a FEMA-designated regulatory floodway. All generator equipment at all sites will be placed on concrete pads above surrounding ground elevation, with **SLS No. 11** improvements placed at least two feet above BFE. According to the National Flood Insurance Program (NFIP) Flood Insurance Manual effective October 1, 2022 and the NFIP Direct Claims and Underwriting Departments, generators located outside of a building are not insurable structures. Therefore, flood insurance is not required for the proposed project. **Attachment 4:** FEMA FIRMs and PFIRMs with Parcel Boundary. *See also* **Attachment 10:** Executive Order (EO 11988) Floodplain Management Determination.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air	Yes ☐ No ☒	According to the EPA Green Book, the Subject Properties are not located in a county in nonattainment or maintenance status for any criteria pollutants. The proposed project activities involving the purchase, installation and operation

Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93		of these four generators are exempted from NC State air quality permit requirements under 15A NCAC 02Q.0102(d) since emissions will be below the established thresholds. Thus, the proposed project's emissions are automatically considered de minimis (40 CFR § 93.153(c)(2)), and the proposed project is considered compliant with the State Implementation Plan. The proposed project would not exceed de minimis emissions levels for federal general conformity purposes (40 CFR § 93.153(c)(2)). The proposed project involves the purchase, installation and operation of generator packages at the four existing, fenced-in sewer lift stations. The proposed project will not generate vehicular traffic. Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. Mitigation measures for dust control will be implemented to reduce potential impacts to air quality during construction, as applicable. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use practicable Best Management Practices (BMPs) to reduce fugitive dust generation and diesel emissions. BMPs can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and construction vehicles and machinery will operate at reduced speeds to reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to construction hours only and removal once construction is completed. Radon is not considered a risk for this proposed project since the proposed project does not involve enclosed structures with indoor air quality concerns and Robeson County is a Level 3 Radon Zone with predicted average indoor radon screening levels less than 2 pCi/L (Low Potential) according to the U.S. Environmental Protection

		Agency (EPA) (see **Attachment 5**). No additional steps are required for radon testing and mitigation. Therefore, there will be no significant impact to air quality from the proposed project. The operation of the proposed project following the completion of construction activities will not significantly increase emissions. The only anticipated increase in emissions will be temporarily during construction and when the generators automatically turn on during power outages. Any air quality impacts would be short-term and localized during construction, and no significant adverse impacts to air quality are anticipated. Thus, the proposed project is in compliance with this section. **Attachment 5:** NC Nonattainment/ Maintenance Status for Each County by Year for All Criteria Pollutants (EPA Green Book) and EPA NC Radon Level Map. *See also, Recent Updates: Federal Register Notices Published or Effective After May 31, 2023 | Green Book | U.S. EPA online.*
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes ☐ No ☒	The Subject Properties are located in Robeson County which is not one of the 20 coastal counties included in the North Carolina Coastal Management Program. Therefore, the proposed project is not anticipated to impact coastal resources. A Consistency Determination is *not* required to be submitted to the NC Division of Coastal Management (DCM). DCM carries out the State's Coastal Area Management Act (CAMA), the Dredge and Fill Law, and the federal Coastal Zone Management Act of 1972 in the 20 coastal counties, using rules and policies of the NC Coastal Resources Commission, known as the CRC. No further action is required. The proposed project is in compliance with the Coastal Zone Management Act, sections 307(c) & (d). **Attachment 6**: NC DCM Counties Map and List.
Contamination and Toxic Substances	Yes ☐ No ☒	The Subject Properties contain four existing, fenced-in sewer lift stations and there is no proposed change in land use. The Maxton Sewer

24 CFR Part 50.3(i) & 58.5(i)(2)		Lift Station **No. 5** was built in 1967. Maxton Sewer Lift Stations **Nos. 7**, **10**, and **11** were built in 1980. A site inspection was conducted at the Subject Properties on January 14, 2023 by Bill Blankenship, and hazards were identified associated with the sewer lift stations. The Maxton **SLS Nos. 5, 7, 10,** and **11** identified site hazards/conditions including: 1) Sewer Lift Station with underground pipe connections; 2) Stormwater Drain with cover slab; 3) Grass-covered gravel driveway; and 4) Security fencing topped with barbwire. The Maxton **SLS No. 5** also had fencing damaged in the northwest corner by falling limbs. None of the sites contain aboveground or underground storage tanks. The sites have been filled and graded during original construction of the sewer lift stations. There is no past use visible in historical aerials or regulatory databases that could pose a hazard that could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties as sewer lift stations. According to NEPAssist, the Subject Properties are not identified on a list of Superfund National Priorities or Comprehensive Environmental Response Superfund National Priorities or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) List, or equivalent State list compiled by the U.S. EPA. A search and review was performed of U.S. EPA and North Carolina Department of Environmental Quality (NC DEQ) Division of Waste Management (DWM) records for facilities and incidents located within a 0.5-mile and 1-mile radius of the **SLS Nos. 5, 7, 10,** and **11**. The review results are included in the attached Town of Maxton Sewer Lift Station Generators HUD Environmental Standards Review (**Attachment 7**). These facilities and incidents in the attached records review are not considered a hazard that could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties as sewer lift stations. The Maxton Dump, US 74-Bypass & NC 71, is a Pre-regulatory Landfill site located within 3,000 feet of the **SLS No. 10**. The Dump had a water supply well confirmation sampling report dated April 16, 2008 for Well No. 1 for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and 15 metals. Since the

		proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The NC DEQ DWM UST Section, Fayetteville Regional Office, does not have records of a petroleum release for any of the listed physical addresses provided for this project number, nor are there any records of registered USTs (**Attachment 21**). Notification of the proper regional office is requested if "orphan" underground storage tanks (USTs) are discovered during any excavation operation (**Attachment 21**). Based on site visits and review of available environmental and historical records for the Subject Properties and surrounding area, the Subject Properties are unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties as existing sewer lift stations. Therefore, a Phase I Environmental Site Assessment (ESA) or Phase II ESA is not warranted. **Attachment 7**: Town of Maxton Sewer Lift Station Generators HUD Environmental Standards Review, Site Inspection Documentation, NEPAssist EPA Facilities Reports with 1-mile and 0.5-mile Buffers, NC DEQ DWM Site Locator Reports with 1-mile, 0.5-mile and 3,000-foot Buffers, Facility Reports, and Historic Aerials. *See also*, State Environmental Clearinghouse Comments in **Attachment 21**.
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes ☐ No ☒	According to the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) Official Species Lists, there are a total of five threatened, endangered, or candidate species identified for the Subject Properties. These federally-protected species include the Tricolored Bat (Proposed

		Endangered), Red-cockaded Woodpecker (Endangered), American Alligator (Threatened), Monarch Butterfly (Candidate), and Michaux's Sumac (Endangered). However, the Reports indicate that there are no critical habitats within the Subject Properties. Robeson County is not identified as a Northern Long-eared Bat known-presence county. In addition, the NC Natural Heritage Program (NC NHP) Database Query Reports identified no federally-protected threatened, endangered, or candidate species within a one-mile radius of the Subject Properties. The State-protected species identified within a one-mile radius of the Subject Properties, include the Mabee's Salamander (Threatened, **SLS Nos. 5, 7** and **10**), Eastern Tiger Salamander (Threatened, **SLS No. 10**), River Frog (Endangered, **SLS Nos. 10** and **11**), Southern Chorus Frog (Special Concern, **SLS Nos. 5** and **7**), Coppery Emerald, multiple (Significantly Rare, **SLS Nos. 5, 7, 10** and **11**), Phantom Darner (Significantly Rare, **SLS Nos. 5, 7, 10** and **11**), Blackbanded Sunfish, multiple (Significantly Rare, **SLS Nos. 7, 10** and **11**), ThinLip Chub (Special Concern, **SLS Nos. 10** and **11**), Pinewoods Darter (Special Concern, **SLS Nos. 10** and **11**), and Ironcolor Shiner (Significantly Rare, **SLS Nos. 10** and **11**). According to the NC NHP Database Query Reports, there are no records for rare species, and conservation/ managed areas within the Subject Properties' boundaries. At **SLS No. 5**, there is a Managed Area, Robeson County Open Space, within a one-mile radius of the site. At **SLS No. 7**, there is a Natural Area, Shoe Heel Creek Floodplain (R5, C5), and Natural Community, Coastal Plain Small Swamp, within a one-mile radius of the site. At **SLS No. 10**, there are two Natural Areas, LBR/ Lumber River/ Bear Swamp Aquatic Habitat (R1, C3) and Upper Lumber River Swamp (R3, C3), and a Managed Area, Lumber State Natural and Scenic River, within a one-mile radius of the site. At **SLS No. 11**, there is a Natural Area, Upper Lumber River Swamp (R3, C3), documented within the Subject Property's boundaries. Within a one-mile radius of **SLS No. 11**, there are five Natural Communities, Blackwater Bottomland Hardwoods (High Subtype), Blackwater

		Bottomland Hardwoods (Low Subtype), Blackwater Levee/ Bar Forest, Cypress-Gum Swamp (Blackwater Subtype), and Sand and Mud Bar (Blackwater Sand Bar Subtype), two Natural Areas, the LBR/ Lumber River/ Bear Swamp Aquatic Habitat (R1, C3) and Upper Lumber River Swamp (R3, C3), and three Managed Areas, the Robeson County Open Space, Lumber National Wild and Scenic River, and Lumber State Natural and Scenic River. There are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. The Official Species List identified three migratory birds including the American Kestrel (Falco sparverius paulus), Bald Eagle (Haliaeetus leucocephalus), and Red-headed Woodpecker (Melanerpes erythrocephalus). It is anticipated that only temporary impacts might occur during construction from noise. There will be no vegetation removed (other than grass) or tree clearing performed for the proposed project. During the site visit, none of the above-mentioned species were observed. The proposed project involves the purchase, installation and operation of generator packages at four existing, fenced-in sewer lift stations. As shown in the Subject Properties' site visit photographs, (**Attachment 1A**), the Subject Properties are regularly maintained, mowed parcels with fenced-in sewer lift stations. There is no vegetation (other than grass) or tree removal anticipated as most of the work will be conducted within the fenced-in areas on the Subject Properties. **SLS No.7** is the only site where the existing fence will be extended to accommodate the generator placement on the western side of the current fence line. Therefore, a **No Effect** determination has been made for all of the above-listed species and a "no Eagle Act permit required" determination for eagles. A Self-certification Letter and 10-step Project Review Package were prepared and submitted to the USFWS Raleigh Ecological Services Field Office (FO) on January 31, 2023. According to the Self-certification Letter, Mr. Pete Benjamin, Field Supervisor of the U.S. Fish

		and Wildlife Service Raleigh FO, indicated the following: "Therefore, we concur with the 'no effect' or 'not likely to adversely affect' determinations for proposed and listed species and proposed and designated critical habitat; the 'may affect' determination for Northern long-eared bat; and/or the 'no Eagle Act permit required' determinations for eagles. Additional coordination with this office is not needed." USFWS has not contacted NCORR for additional information. **The Subrecipient will update this determination annually for multi-year activities**. **Attachment 8:** USFWS Raleigh FO 10-step Project Review Package and USFWS and NCORR correspondence.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes ☐ No ☒	The proposed project does not involve the development of a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries). The proposed project involves the purchase, installation and operation of generator packages at four existing Town of Maxton sewer lift stations which does not include development or construction that will be regularly used by people, a rehabilitation/ modernization project that will increase the number of people using a structure or increase residential densities, a rehabilitation/ modernization project that will make a vacant building habitable or land use conversion. Based on the proposed project description, there are no proposed activities that would require further evaluation under 24 CFR 51 Subpart C. The proposed project is in compliance with HUD's explosive and flammable hazard requirements.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes ☐ No ☒	The Maxton Sewer Lift Station **No. 5** was built in 1967. Maxton Sewer Lift Stations **Nos. 7**, **10**, and **11** were built in 1980. The Subject Properties have existing sewer lift stations that were built prior to August 4, 1984 and, thus, are exempt from the Farmland Protection Policy Act (FPPA) under 7 CFR 658.2(c)(1)(ii). In addition, this proposed project involves new construction for ancillary generator packages at pre-existing structures and, thus, also considered "Activities Not Subject to Provisions of FPPA" under 7 CFR 658.3(c).

		U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) soil surveys were prepared for the Subject Properties (**Attachment 9**). Maxton **SLS No. 5** located at 303 N. Hooper Street, Maxton, NC 28364 is 0.41 acre with soils consisting of approximately 94% Rains sandy loam (Ra) and 5.6% Goldsboro loamy sand, 0 to 2 percent slopes, Southern Coastal Plain (GoA). Ra is classified as prime farmland, if drained, and GoA is classified as all areas are prime farmland. Maxton **SLS No. 7** located at 904 US 74 Business, Maxton, NC 28364 is 0.33 acre with soils consisting of approximately 92% Bibb Soils (BB) and 8% Lakeland sand, 0 to 6 percent slopes (LaB). Both soil types are classified as *not* prime farmland. Maxton **SLS No. 10** located at 627 NC Highway 71N, Maxton, NC 28364 is 0.47 acre with soils consisting of approximately 97% Lumbee sandy loam (Lu) and 3% Wagram loamy sand, 0 to 6 percent slopes (WaB). Lu is classified as prime farmland, if drained, and WaB is classified as farmland of statewide importance. Maxton **SLS No. 11** located at 2074 NC Highway 71N, Maxton, NC 28364 is 1.43 acres. with soils consisting of approximately 50% Bibb Soils (BB) and Norfolk and Faceville soils, 6 to 10 percent slopes (NsC). BB is classified as not prime farmland and NsC is classified as farmland of statewide importance. The proposed project is not subject to the provisions of the FPPA. Therefore, the proposed project would not violate the FPPA. No further review is required. The proposed project is in compliance with this section. **Attachment 9:** USDA NRCS Soil Surveys.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes ☒ No ☐	Based on the FEMA FIRM panel 3710838400K, effective on 1/19/2005, **SLS No. 5**, 303 N Hooper Street is located in Zone X. Based on the FEMA FIRM panel 3710839600L, effective on 12/6/2019, and PFIRM dated 8/29/2014, **SLS No.**

		7, 904 US 74 BUS and **SLS No. 10**, 627 NC Highway 71N are located in Zone X (PFIRM only shows **SLS No. 10**). Based on the FEMA FIRM panel 3710930700M, effective on 12/6/2019, and PFIRM dated 8/29/2014, **SLS No. 11**, 2074 NC Highway 71N is located in Zone AE. **SLS No. 11** is the only site located within a FEMA designated flood zone (100-year floodplain, SFHA – Zone AE). The four Subject Properties are not located within a FEMA-designated regulatory floodway. Eight-step compliance with EO 11988 under 24 CFR 55.20 is required because "modification" of floodplain will involve installation of a generator package, including integrated diesel fuel tanks, ATS, wiring connections, electrical panel, mounting pad, and generator at Maxton **SLS No. 11** in the 100-year floodplain. The proposed project will result in temporary impacts to 0.03 acres of 100-year floodplain and permanent impacts to 0.002 acres of 100-year floodplain. All generator equipment at all sites will be placed on concrete pads above surrounding ground elevation, with **SLS No. 11** improvements placed at least two feet above BFE. The generator at **SLS No. 11** will be placed in existing fill within the 100-year floodplain. According to the engineer, WithersRavenel, the proposed activities at **SLS No. 11** will not result in any additional fill within the 100-year floodplain. Native plants will be used in site restoration. The Proposed Activity will comply with a Floodplain Development Permit and all applicable federal, State and local laws, regulations, and permit requirements and conditions which shall be obtained before commencing work. As practicable, BMPs for erosion and sedimentation control will be utilized during construction. Thus, measures will be implemented to ensure the proposed project will have no further impacts to 100-year floodplain during construction. The EO 11988 Floodplain Management Determination documenting the 8-step process under 24 CFR 55.20 is attached. The proposed project is in compliance with EO 11988.

		Attachment 10: EO 11988 Floodplain Management Determination.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes ☐ No ☒	NCORR reviewed the National Register of Historic Places (NRHP) and NC HPOWEB maps for historic resources located near the Subject Properties. There are no historic sites located within 500 feet of **SLS No. 5**, 303 N. Hooper Street, Maxton, NC 28364. **SLS No. 5** is located approximately 0.24 miles from the Maxton Historic District. Within 500 feet of **SLS No. 7**, 904 US 74 Business, Maxton, NC 28364, there is one historic site identified as SD RB0338 Houses & Church (Gone) on Brooklyn Street noting Church demo and replaced with new building between 1993-1998. There are no historic sites located within 500 feet of **SLS No. 10**, 627 NC Highway 71N, Maxton, NC 28364. There are no historic sites located within 500 feet of **SLS No. 11**, 2074 NC Highway 71N, Maxton, NC 28364. On February 2, 2023, NCORR submitted the proposed project to the North Carolina State Historic Preservation Office (NC SHPO) for review and concurrence of a preliminary finding of "No Historic Properties Affected" pursuant to 36 CFR 800.4(d)(1). On March 7, 2023, Ms. Renee Gledhill-Earley, Environmental Review Coordinator with the NC SHPO, responded that "[w]e have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed." The SHPO response and NCORR submission package are attached. According to the HUD Tribal Directory Assessment Tool (TDAT), the Catawba Indian Nation is the only federally-recognized tribe with interests in Robeson County, North Carolina. On January 31, 2023, NCORR consulted with the Catawba Indian Nation for discussion of historic properties in the proposed project area that may have religious and cultural significance. The Section 106 review packages were sent to the Catawba Indian Nation's Chief Bill Harris and Dr. Wenonah G. Haire, Tribal Historic Preservation Officer (THPO). On March 1, 2023, Ms. Caitlin Rogers responded for THPO Dr. Haire that "[t]he Catawba have no immediate concerns with regard to traditional cultural

		properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**" The proposed project is in compliance with Section 106. On January 23, 2023, NCORR Director Ms. Laura Hogshead sent a proposed project notification letter to the Lumbee Tribe of North Carolina Chairman John Lowery, and no response was received. **Attachment 11:** SHPO Response, NCORR SHPO Submission Package, HUD TDAT Results, Catawba Indian Nation Response, NCORR Catawba Indian Nation Submission Packages, and Lumbee Tribe of NC Proposed Project Notification Letter.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes ☐ No ☒	The proposed project is not a noise-sensitive use. The proposed project does not involve new construction for residential use or rehabilitation of an existing residential property. Rather, the proposed project provides *timely emergency assistance under disaster assistance provisions or appropriations which are provided to save lives, protect property, protect public health and safety, remove debris and wreckage*, or assistance that has the effect of restoring facilities substantially as they existed prior to the disaster. This proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The generators will provide auxiliary power at these four sewer lift stations during power outages, such as those experienced during Hurricane Matthew. These generators are necessary to have correctly functioning sewer lift stations and Town sewer infrastructure to protect the residents and the community from this threat to public safety during and after future storm events. Thus, 24 CFR 51 Subpart B does not apply to this small, public infrastructure improvement project. The proposed project activities are not expected to generate excessive noise during the short-term construction work or long-term operation. Short-

		term construction noise will be limited to daytime hours. Construction equipment will be required to meet local sound control requirements. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions. Therefore, the proposed project is not expected to generate any significant adverse noise impacts. The proposed project is in compliance with this section.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes ☐ No ☒	No sole source aquifers are located in North Carolina according to the U.S. EPA. No further action is required. The proposed project is in compliance with this section. **Attachment 12**: U.S. EPA Sole Source Aquifers Map.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes ☐ No ☒	According to the USFWS NWI Map, there are federally-mapped wetlands on or near three of the Subject Properties. However, the onsite NWI-mapped wetlands no longer exist and do not meet the HUD definition of wetlands under 24 CFR 55.2(b)(11) which can include non-jurisdictional and jurisdictional wetlands. During the site visits, WithersRavenel environmental staff completed a preliminary review of each of the project sites and determined that there are no wetlands present due to these sites having been historically cleared, filled and graded when the sewer lift stations were built. There were no onsite features that met the three wetland characteristics (soils, vegetation and hydrology) under 1987 Corps of Engineers Wetlands Delineation Manual and Regional Supplements. The USACE was contacted for a site visit and determination for NWI-mapped wetlands located adjacent to the Subject Property at **SLS No. 7**, and onsite at **SLS Nos. 10** and **11**. According to Mr. Gary Beecher, USACE Regulatory Project Manager, "[a]fter a revised review of the proposed project it appears that no 404 wetlands or Waters of the U.S. will be impacted by this project." Thus, there are no wetlands or Waters of the U.S. located on these sites or offsite that will be impacted by this proposed project. Therefore, a USACE CWA Section 404 permit and NC DEQ DWR for CWA Section 401 Water Quality

		Certification(s) including T15A 02H .0500 certifications are *not* required. The proposed project activities will be completed in conformance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. **Attachment 13**: USFWS NWI Maps and NC DEQ DWR and USACE Correspondence.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes ☐ No ☒	The proposed project will not affect a Nationwide River Inventory (NRI) or Wild and Scenic River (WSR) river. The National Park Service (NPS) was contacted for **SLS No. 11** because the Subject Property is located approximately 450 feet from the Lumber River which has segments listed on the DOI NPS NRI and National WSR System. However, Mr. Jeffrey Duncan, NPS Wild and Scenic Rivers Coordinator, responded on January 17, 2023, that "[s]o long as the project is well outside the bed and banks of the river, I don't think formal consultation under Section 7(a) is needed." On February 2, 2023, NCORR sent the full project information to Mr. Duncan and no response has been received. Since the proposed project is well outside the bed and banks of the river, no further action is required. **SLS No. 5**, 303 N. Hooper Street, Maxton, NC 28364 and **SLS No. 7**, 904 US 74 BUS, Maxton, NC 28364 are located over one-mile from NRI or WSR rivers. **SLS No. 10**, 627 NC Highway 71N, Maxton, NC 28364 is located approximately 0.66-mile from the Lumber River. **SLS No. 11**, 2074 NC Highway 71N, Maxton, NC 28364 is located approximately 450 feet from the Lumber River which has segments near the site listed on the DOI NPS Nationwide Rivers Inventory and National Wild and Scenic Rivers System. This proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The generators will provide auxiliary power at these four sewer lift stations during power outages, such as those experienced during Hurricane Matthew. These generators are necessary to have correctly functioning sewer lift stations and Town sewer infrastructure to protect the residents and

		the community from this threat to public safety during and after future storm events. The Lumber River will benefit from the proposed project with the prevention of inundation of sewage released into the community during future storm events. Further, the Subject Properties are regularly maintained, mowed parcels with fenced-in sewer lift stations. There is no vegetation (other than grass) or tree removal anticipated as most of the work will be conducted within the fenced-in areas on the Subject Properties. **SLS No.7** is the only site where the existing fence will be extended to accommodate generator placement on the western side of the current fence line. Thus, there are no impacts anticipated from the proposed project on a NRI or WSR river. The proposed project is in compliance with this section. **Attachment 14**: NEPAssist Maps of DOI NPS Nationwide Rivers Inventory and National Wild and Scenic Rivers System Showing Distance from Closest WSR to Proposed Project Sites and NPS and NCORR Correspondence. *See also, Eligible and Suitable Rivers Map, at* https://nps.maps.arcgis.com/apps/webappviewer/index.html?id=df0f4455dc5f41bb919a3a1a49c60174
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes ☐ No ☒	According to the EJSCREEN Reports for a one-mile radius of the Subject Properties, **SLS No. 5** is located in an area with an approximately 90% minority population and 62% low-income population. **SLS No. 7** is located in an area with an approximately 87% minority population and 57% low-income population. **SLS No. 10** is located in an area with an approximately 89% minority population and 60% low-income population. **SLS No. 11** is located in an area with an approximately 93% minority population and 56% low-income population. The socioeconomic indicators show that there is a higher percentage of minority and low-income population in the proposed project area as compared to the State and national averages. According to the NC DEQ Community Map, all of the Subject Properties are located in the NC DEQ Potentially Underserved Block Groups 2019. (See EJSCREEN Reports

		and NC DEQ Community Maps in **Attachment 15**.) **SLS No. 5** is situated in a census tract (EJSCREEN website) with approximately 89.24% of the population classified as a minority, and approximately 67.34% classified as low-income. **SLS No. 5** is located in NC DEQ's Potentially Underserved Block Group 2019. **SLS No. 7** is situated in a census tract (EJSCREEN website) with approximately 83.12% of the population classified as a minority, and approximately 71.74% classified as low-income. **SLS No. 7** is located in NC DEQ's Potentially Underserved Block Group 2019. (Full report not working, map in attachment.) **SLS No. 10** is situated in a census tract (EJSCREEN website) with approximately 87% of the population classified as a minority, and approximately 53% classified as low-income. **SLS No. 10** is located in NC DEQ's Potentially Underserved Block Group 2019. **SLS No. 11**, is situated in a census tract (EJSCREEN website) with approximately 94% of the population classified as a minority, and approximately 56% classified as low-income. **SLS No. 10** is located in NC DEQ's Potentially Underserved Block Group 2019. During Hurricane Matthew and its aftermath, the Town's primary power source was lost, causing the Town's sewer lift stations to go offline, creating a threat to public safety resulting from sewage backups to end users served by the offline sewer lift stations. The proposed project will not subject the community to environmental conditions that may have disproportional effects on low-income or minority populations. Rather, this proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The generators will provide auxiliary power at these four sewer lift stations during power outages, such as those experienced during Hurricane Matthew. These generators are necessary to have correctly functioning sewer lift stations and Town sewer infrastructure to protect the residents and the community from this threat to public safety during and after future storm events. Thus, the

		proposed project does not contribute to or promote environmental injustice. The proposed project is in compliance with this section. **Attachment 15**: Subject Properties' EJSCREEN Standard Reports, EJSCREEN ACS Summary Reports, EJSCREEN Census 2010 Summary Reports, and NC DEQ Community Mapping System Maps. *See website for census tract data at* https://ejscreen.epa.gov/mapper/

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27]

Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.
(1) Minor beneficial impact
(2) No impact anticipated
(3) Minor Adverse Impact – May require mitigation
(4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	1	The proposed project involves the purchase, installation and operation of generator packages at four existing Town sewer lift stations. No change in land use is proposed. **SLS No. 5** located at 303 N. Hooper Street, Maxton, NC 28364 is Town-owned, identified as Parcel ID 330601026, and consists of 0.41 acre. The **SLS No. 5** site is zoned Maxton R10 and designated E-70. **SLS No. 7** located at 904 US 74 BUS, Maxton, NC 28364 is Town-owned, identified as Parcel ID 33030102001, and consists of 0.33 acre. The **SLS No. 7** site is zoned Maxton R12 and designated E-70. **SLS No. 10** located at 627 NC Highway

		71N, Maxton, NC 28364 is Town-owned, identified as Parcel ID 11030100143, and consists of 0.47 acre. The **SLS No. 10** site is zoned Maxton RA20 and designated E-70. **SLS No. 11** located at 2074 NC Highway 71N, Maxton, NC 28364 is County-owned, identified as Parcel ID 110202001, and consists of approximately 1.43 acres. The **SLS No. 11** site is zoned in the County Heavy Industrial District and designated E-12. According to the Town of Maxton, North Carolina – Economic Development Strategic Five-Year Plan (2019-2024), citizen input recommended that "[s]ewer maintenance and service should be improved." There was notable dissatisfaction in the survey responses including 36% somewhat dissatisfied and 14% very dissatisfied with sewer infrastructure. The proposed project will be compatible with land use of the area. The proposed project does not require any change in zoning or land use. In addition, the proposed project aims to improve Town sewer infrastructure which is an identified community need. Thus, the proposed project will have a minor beneficial impact for the community. **Attachment 16:** Subject Properties' Zoning Maps.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	USDA NRCS soil surveys were prepared and are in **Attachment 9** for the four Subject Properties. Maxton **SLS No. 5** located at 303 N. Hooper Street, Maxton, NC 28364 is 0.41 acre with soils consisting of approximately 94% Rains sandy loam (Ra) and 5.6% Goldsboro loamy sand, 0 to 2 percent slopes, Southern Coastal Plain (GoA). Ra is classified as prime farmland, if drained, and GoA is classified as all areas are prime farmland. Maxton **SLS No. 7** located at 904 US 74 Business, Maxton, NC 28364 is 0.33 acre with soils consisting of approximately 92% Bibb Soils (BB) and 8% Lakeland sand, 0 to 6 percent slopes (LaB). Both soil types are classified as *not* prime farmland. Maxton **SLS No. 10** located at 627 NC Highway 71N, Maxton, NC 28364 is 0.47 acre with soils consisting of approximately 97% Lumbee sandy loam (Lu) and 3% Wagram loamy sand, 0 to 6 percent slopes (WaB). Lu is classified as prime farmland, if drained, and WaB is classified as farmland of statewide importance. Maxton **SLS No. 11** located at 2074 NC Highway 71N, Maxton, NC 28364 is 1.43 acres. with soils consisting of approximately 50% Bibb Soils (BB) and Norfolk and Faceville soils, 6 to 10 percent slopes (NsC). BB is classified as not prime farmland and NsC is classified as farmland of statewide importance. The NC DEQ commented that an erosion and sedimentation control plan and NPDES Construction Stormwater Permit (NCG010000) will be required if one or more acres are to be disturbed. However, the proposed project only involves the

		purchase, installation and operation of generator packages at the four existing, fenced-in sewer lift stations. There is not more than one acre of land disturbance anticipated at any of the proposed project sites. No fill material is planned. However, any fill material will come from an approved source, and applicable NC regulations on erosion control permit might apply. The soils will be confirmed to be "clean" fill and that it meets project requirements prior to importing the material. The proposed project will be designed in a way to balance the grading and not require any off-site material, if possible. No soil removal is planned. However, should soil need to be removed from the site, it will be quantified and only exported to an approved site per NC requirements. Therefore, the proposed project is not expected to adversely impact Soil Suitability/ Slope/ Erosion/ Drainage/ Stormwater Runoff at the Subject Properties. *See* **Attachment 9:** USDA NRCS Soil Surveys and **Attachment 21:** State Environmental Clearinghouse Comments.
Hazards and Nuisances including Site Safety and Noise	2	Based on site visits and review of available environmental and historical records for the Subject Properties and surrounding area, the Subject Properties are unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties as existing sewer lift stations. Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. Mitigation measures for dust control will be implemented to reduce potential impacts to air quality during construction, as applicable. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use practicable Best Management Practices (BMPs) to reduce fugitive dust generation and diesel emissions. BMPs can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and construction vehicles and machinery will operate at reduced speeds to reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to construction hours only and removal once construction is completed. (*See* Clean Air Act section.)

		The proposed project activities are not expected to generate excessive noise during the short-term construction work nor long-term operation. Short-term construction noise will be limited to daytime hours. Construction equipment will be required to meet local sound control requirements. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions. Therefore, the proposed project is not expected to generate any significant adverse noise impacts. *See* **Attachment 7:** Contamination and Toxics documentation and **Attachment 21:** State Environmental Clearinghouse Comments.
Energy Consumption	2	The proposed project will not cause a substantial increase in long-term energy consumption. The proposed project will install generators at four existing sewer lift stations. The only anticipated increase in energy consumption will be temporarily during construction and when the generators automatically turn on during power outages.
Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	The proposed project will not adversely affect employment opportunities or income patterns, and is unlikely to impact traffic and potential customer access to residences and businesses in the area, either during construction or regular operation of the pre-existing sewer lift stations. There will be a temporary increase in jobs associated with the proposed project's construction activities. The proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The proposed project is necessary to have fully functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after future storm events. The proposed project is essential to maintaining a strong and successful economy with a fully functioning sewer infrastructure in the Town of Maxton.
Demographic Character Changes, Displacement	2	The proposed project does not involve residential or commercial development activities. The proposed project activities will be performed at four existing sewer lift stations and consist of installation of generator packages as ancillary structures. The proposed project will not cause any change in the demographic character of the area. The proposed project will not deny any population within the local community potential for growth. The proposed project will not act as an isolation feature within the local area or community. Also, the proposed project does not present the potential to cause the displacement of individuals or families, destroy jobs, local

		businesses or public community facilities, or disproportionately affect particular populations. Rather, this proposed project will assist the Town of Maxton's residents and community to be protected from sewage backflows and lack of sewage treatment capacity during and after future storm events.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	There are several schools located within one mile of the Subject Property, including the Townsend Middle School, Dean School, and Wilson School. The proposed project will not introduce any new populations that would increase student enrollment in the district or usage of cultural facilities. Thus, the proposed project will not have an adverse impact on educational or cultural facilities. Rather, the proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The proposed project is necessary to have fully functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after future storm events. Therefore, the proposed project is not expected to adversely impact educational and cultural facilities. **Attachment 17:** Educational and Cultural Facilities documentation.
Commercial Facilities	2	The proposed project will not introduce new populations through a residential development or otherwise increase demand for retail services or other commercial facilities. There are multiple businesses including the Food Lion, Piggly Wiggly, and Dollar General, and restaurants including the Blue's Café, Locklear Vineyard & Winery, and H&H Drive-in Restaurant located in the Town of Maxton. The proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The proposed project is necessary to have fully functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after future storm events. The proposed project is essential to maintaining strong and successful commercial facilities through fully functioning sewer infrastructure in the Town of Maxton. Therefore, the proposed project is not expected to adversely impact commercial facilities. **Attachment 18:** Commercial Facilities documentation.
Health Care and Social Services	2	The proposed project will not introduce any new development that would increase the demand for routine or emergency health services. The Maxton Medical Center, Maxton Family Practice Center, Unity Home Care, and Four County Community

		Services are located in Maxton. The proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The proposed project is necessary to have fully functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after future storm events. The proposed project is essential to maintaining strong and successful health care and social services facilities through fully functioning sewer infrastructure in the Town of Maxton. Therefore, the proposed project is not expected to adversely impact the health care and social services in the area. **Attachment 19:** Health Care and Social Services documentation.
Solid Waste Disposal / Recycling	2	All construction wastes will be appropriately disposed of according to the type of waste generated and construction waste management practices in an appropriate, legally compliant receiving facility. The NC DEQ DWM Solid Waste Section (Section) commented that "[f]or any planned or proposed projects, it is recommended that during any land clearing, construction, the NC Department of Public Safety [Robeson County and the Town of Maxton] and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. **Any waste generated by and of the projects that cannot be beneficially reused or recycled as described, may require disposal of at a solid waste management facility permitted by the Division. The Section strongly recommends that the NC Department of Public Safety [Robeson County and the Town of Maxton] require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.**" In addition, the NC DEQ notes that "[a]ny open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900." *See* **Attachment 21:** State Environmental Clearinghouse Comments from NC DEQ.
Waste Water / Sanitary Sewers	1	The proposed project will not introduce any new development that would generate waste water. Mitigative measures such as BMPs will be utilized as practicable during construction to prevent soil and/ or debris from being washed offsite. The proposed project is not anticipated to cause the discharge of sewage to surfaces of the Subject Properties or surrounding properties. The proposed project will not create waste water or affect waste water service in the area, other than to improve the Town's sewer infrastructure. Any additional waste water generated during construction activities would be temporary.

		The NC DEQ commented that a permit is needed to construct and operate wastewater treatment facilities, non-standard sewer system extensions and sewer systems that do not discharge into state surface waters and a permit is needed to construct and operate sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system. However, the proposed project only involves the purchase, installation and operation of generator packages at the four existing, fenced-in sewer lift stations. The proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The proposed project is necessary to have fully functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after future storm events. The proposed project is essential to maintaining fully functioning sewer infrastructure in the Town of Maxton. Thus, the proposed project will have a beneficial impact on local waste water/ sanitary sewer service and infrastructure. *See* **Attachment 21:** State Environmental Clearinghouse Comments from NC DEQ.
Water Supply	2	Water supply wells were not identified at the Subject Properties. The NC DEQ commented that "[t]his project doesn't appear to affect any public water systems" and "[a]bandonment of any wells, if required must be in accordance with Title 15A. Subchapter 2C.0100." The proposed project will not increase demand for water, except if needed during short-term construction. The proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The proposed project is necessary to have fully functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after future storm events. Therefore, the proposed project is not expected to adversely impact the water supply for the area. *See* **Attachment 21:** State Environmental Clearinghouse Comments from NC DEQ.
Public Safety - Police, Fire and Emergency Medical	2	The proposed project will not generate new demand for police, fire, or emergency services. The Maxton Police Department, Robeson County Sheriff's Department, local fire departments, and emergency medical service providers will not be adversely impacted by the proposed project. The proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. During Hurricane Matthew and its aftermath, the Town's primary power source

		was lost causing the Town's sewer lift stations to go offline and creating a threat to public safety resulting from sewage backups to end users served by the offline sewer lift stations. The proposed project is necessary to have fully functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after future storm events. The proposed project is essential to maintaining fully functioning sewer infrastructure in the Town of Maxton. Thus, the proposed project is not expected to adversely impact public safety service providers.
Parks, Open Space and Recreation	2	The proposed project will not introduce new development that would generate demand for parks, open spaces or recreational areas or impede their access. There are two parks located in the Town of Maxton, the Rob Henderson Memorial Park (located north of **SLS No. 5**) and Beacham Park. The proposed project involves the purchase, installation and operation of generator packages at four existing, fenced-in sewer lift stations. The proposed project is essential to maintaining fully functioning sewer infrastructure in the Town of Maxton. Thus, the proposed project is not expected to adversely impact parks, open space and recreation.
Transportation and Accessibility	2	The proposed project does not propose changes to streets or development that would generate a continuing demand for transportation access or transportation services. The proposed project activities will occur at four existing sewer lift stations and are not anticipated to interfere with transportation or accessibility to the area. Rather, the proposed project is essential to maintaining fully functioning sewer infrastructure in the Town of Maxton. Thus, the proposed project is not expected to adversely impact transportation and accessibility.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	According to the NC NHP Database Query Reports, there are no records for rare species and conservation/ managed areas within the Subject Properties' boundaries (**Attachment 8**). At **SLS No. 5**, there is a Managed Area, Robeson County Open Space, within a one-mile radius of the site. At **SLS No. 7**, there is a Natural Area, Shoe Heel Creek Floodplain (R5, C5), and Natural Community, Coastal Plain Small Swamp, within a one-mile radius of the site. At **SLS No. 10**, there are two Natural Areas, LBR/ Lumber River/ Bear Swamp Aquatic Habitat (R1, C3) and Upper Lumber River Swamp (R3, C3), and a Managed Area, Lumber State Natural and Scenic River, within a one-mile radius of the site. At **SLS No. 11**, there is a Natural Area, Upper Lumber River Swamp (R3, C3), documented within the Subject Property's boundaries. Within a one-mile radius of **SLS No. 11**, there are five Natural Communities, Blackwater Bottomland

		Hardwoods (High Subtype), Blackwater Bottomland Hardwoods (Low Subtype), Blackwater Levee/ Bar Forest, Cypress-Gum Swamp (Blackwater Subtype), and Sand and Mud Bar (Blackwater Sand Bar Subtype), two Natural Areas, the LBR/ Lumber River/ Bear Swamp Aquatic Habitat (R1, C3) and Upper Lumber River Swamp (R3, C3), and three Managed Areas, the Robeson County Open Space, Lumber National Wild and Scenic River, and Lumber State Natural and Scenic River. Due to the nature of the project, location at existing sewer lift stations, and Subject Properties' distances from these areas, there is no adverse impact anticipated on these areas from the proposed project. The NC DEQ commented that a NPDES permit is needed to discharge into surface water and/or permit to operate and construct wastewater facilities discharging into state surface waters. However, the proposed project only involves the purchase, installation and operation of generator packages at the four existing, fenced-in sewer lift stations. There are no impacts anticipated to Unique Natural Features and Water Resources from the proposed project activities because all of the sewer lift station sites are currently fenced with locked gates. **SLS No.7** is the only site where the existing fence will be extended to accommodate the generator placement on the western side of the current fence line. The Subject Properties are regularly maintained, mowed parcels and there is no vegetation (other than grass) or tree removal anticipated. According to Mr. Gary Beecher, USACE Regulatory Project Manager, there are no wetlands or Waters of the United States located on these sites or that will be impacted by this proposed project (See **Attachment 13**: and **Attachment 1A**). *See* **Attachment 1A:** Site Visit Photographs; **Attachment 8:** Endangered Species documentation including the NC NHP Database Query Reports; **Attachment 13:** NWI Maps and NC DEQ DWR and USACE correspondence; and **Attachment 21:** State Environmental Clearinghouse Comments from NC DEQ..
Vegetation, Wildlife	2	There are no impacts anticipated to vegetation and wildlife from the proposed project activities because all of the sewer lift station sites are currently fenced with locked gates. **SLS No.7** is the only site where the existing fence will be extended to accommodate generator placement on the western side of the current fence line. The Subject Properties are regularly maintained, mowed parcels and there is no vegetation (other than grass) or tree removal anticipated. Therefore, a No Effect determination has been made for proposed and listed species and critical habitat and a "no Eagle Act permit required" determination for eagles. A Self-certification Letter and 10-step Project Review Package were prepared and submitted to the

		USFWS Raleigh Ecological Services Field Office (FO) on January 31, 2023. Native plants will be used in site restoration. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Permits required for this proposed project shall be obtained before commencing work and appended to the environmental review record when received from the permitting agencies. *See* **Attachment 8:** USFWS Raleigh FO 10-step Project Review Package and USFWS and NCORR correspondence.
Other Factors Climate Change EO 14008	2	According to NOAA, climate change is likely increasing the intensity of tropical cyclones. The proposed project is being performed at four existing sewer lift stations. Only one proposed project site, **SLS No. 11**, is currently located within a 100-year floodplain. The other three proposed project sites are not located within a SFHA or a coastal zone area. According to the Climate Mapping For Resilience and Adaptation Tool data for Robeson County, NC, there is a relatively high risk (National Risk Index Ratings) of Extreme Heat, relatively high risk for Drought, relatively moderate risk for Wildfire, and relatively moderate risk for Flooding, and not applicable for Coastal Inundation (**Attachment 20**). According to the EJSCREEN website's Climate Change Data, the Subject Properties have a 0.67 average change in drought (5-year SPEI), no projected coastal flood hazards, projected 100-year floodplain for **SLS Nos. 5** and **7**, no projected sea level rise, the census tract for **SLS Nos. 5, 7** and **10** contains 92% properties at wildfire risk in 2022 and 89% properties at wildfire risk in 2052, the census tract for **SLS No. 11** contains 87% properties at wildfire risk in 2022 and 83% properties at wildfire risk in 2052, the census tract for **SLS Nos. 5, 7** and **10** contains 81% properties at flood risk in 2022 and 80% properties at flood risk in 2052, and the census tract for **SLS No. 11** contains 69% properties at flood risk in 2022 and 72% properties at flood risk in 2052 (**Attachment 20**). The EJSCREEN data is representative for the area and lower risk percentiles than some portions of the surrounding area. Overall, the reviewed data does not present any additional significant site concerns. Rather, the proposed project is more essential to provide auxiliary power to the Town's sewer infrastructure during future storm events. Due to the increased frequency of high-intensity storms, the need for the proposed project cannot be understated. The proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. The proposed project is necessary to have fully functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after

		future storm events. The proposed project is essential to maintaining fully functioning sewer infrastructure in the Town of Maxton. **Attachment 20:** EJSCREEN website's Climate Change Data and CMRAT Data for Robeson County, NC. *See also,* https://www.climate.gov/news-features/understandingclimate/climate-change-probably-increasing-intensitytropical-cyclones, https://ejscreen.epa.gov/mapper/, and https://livingatlas.arcgis.com/assessment-tool/home
Other Factors Environmental Justice Impacts	2	According to the EJSCREEN Reports for a one-mile radius of the Subject Properties, **SLS No. 5** is located in an area with an approximately 90% minority population and 62% low-income population. **SLS No. 7** is located in an area with an approximately 87% minority population and 57% low-income population. **SLS No. 10** is located in an area with an approximately 89% minority population and 60% low-income population. **SLS No. 11** is located in an area with an approximately 93% minority population and 56% low-income population. The socioeconomic indicators show that there is a higher percentage of minority and low-income population in the proposed project area as compared to the State and national averages. According to the NC DEQ Community Map, all of the Subject Properties are located in the NC DEQ Potentially Underserved Block Groups 2019. (See EJSCREEN Reports and NC DEQ Community Maps in **Attachment 15**.) Several of the EJSCREEN pollution and sources indicators for a one-mile radius of the Subject Properties are the same or slightly higher than the State and/or U.S. averages and include Air Toxics Cancer Risk (95 % in NC), Air Toxics Respiratory Hazard Index (94% in NC), Lead Paint (73-75% in NC), and USTs (73-79% in NC). According to the EPA Green Book, the Subject Properties are not located in a county in nonattainment or maintenance status for any criteria pollutants. Based on site visits and review of available environmental and historical records for the Subject Properties and surrounding area, the Subject Properties are unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties. No adverse environmental impacts were identified during the proposed project's 24 CFR 58 environmental review. The proposed project will not subject the community to environmental conditions that may have disproportional effects on low-income or minority populations. The proposed project does not site a nuisance or hazard in a potential environmental

		justice area, but rather the proposed project aims to prevent sewage backflows and lack of capacity in the Town's WWTP's service area during storm events. *See* **Attachment 15**: Subject Properties' EJSCREEN Standard Reports, EJSCREEN ACS Summary Reports, EJSCREEN Census 2010 Summary Reports, and NC DEQ Community Mapping System Maps; **Attachment 7**: Site Inspection Reports, NEPAssist EPA Facilities with 1-mile and 0.5-mile Buffers, NC DEQ DWM Site Locator Reports with 1-mile and 3,000-foot Buffer, and Facility Reports; and **Attachment 21:** State Environmental Clearinghouse Comments.
Other Factors	2	None identified.

Additional Studies Performed:

None

Field Inspection (Date and completed by)**:**

Bill Blankenship, Project Manager, January 14, 2023

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]**:**

References:

- Robeson County Parcel Data, at https://maps.roktech.net/ROKMAPS_Robeson/#
- Fact Sheet #D1: Siting HUD-Assisted Projects in Accident Potential Zones
- U.S. EPA NEPAssist Tool, at https://nepassisttool.epa.gov/nepassist/nepamap.aspx
- Airport Data and Information Portal (ADIP), at https://adip.faa.gov/agis/public/#/public
- USFWS CBRS Mapper, at https://www.fws.gov/CBRA/Maps/Mapper.html
- FEMA Map Service Center, at https://msc.fema.gov/portal/home and https://hazards.fema.gov/femaportal/prelimdownload/searchResult.action
- EPA, North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants, at https://www3.epa.gov/airquality/greenbook/anayo_nc.html
- EPA, Recent Updates: Federal Register Notices Published or Effective After May 31, 2023, at https://www3.epa.gov/airquality/greenbook/adden.html
- NC DEQ CAMA Counties, https://deq.nc.gov/about/divisions/coastal-management/about-coastal-management/cama-counties
- USFWS NWI Mapper, at https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/
- NC DEQ DWM Site Locator, at https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebfa49fc383f688

- UNC University Libraries, Digitized Historical Maps: North Carolina Sanborn® Maps, at https://guides.lib.unc.edu/historicalmaps/sanborn
- Google Maps and Google Earth
- USFWS Raleigh Field Office
- NC NHP
- USFWS Information for Planning and Consultation (IPaC), at https://ipac.ecosphere.fws.gov/
- NC NHP Data Explorer Tool, at https://ncnhde.natureserve.org/
- USDA NRCS Soil Survey, at https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx
- National Register of Historic Places, at https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466
- NC HPOWEB, at https://nc.maps.arcgis.com/home/item.html?id=79ea671ebdcc45639f0860257d5f5ed7
- HUD Tribal Directory Assessment Tool (TDAT), at https://egis.hud.gov/tdat/
- Catawba Indian Nation
- Lumbee Tribe of NC
- NC State Historic Preservation Office
- U.S. EPA Map of Sole Source Aquifer Locations, at https://www.epa.gov/dwssa/map-sole-source-aquifer-locations
- NPS, Jeffrey Duncan, Southeast Regional Aquatic Ecologist, Wild and Scenic Rivers Coordinator
- Nationwide Rivers Inventory Map, at https://www.nps.gov/subjects/rivers/nationwide-rivers-inventory.htm
- North Carolina, National and Wild Scenic Rivers System, at https://www.rivers.gov/north-carolina.php
- Eligible and Suitable Rivers Map, at https://nps.maps.arcgis.com/apps/webappviewer/index.html?id=df0f4455dc5f41bb919a3a1a49c60174
- EJSCREEN Standard Report
- EJSCREEN ACS Summary Report
- EJSCREEN Census 2010 Summary Report
- NC DEQ Community Mapping, at https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=1eb0fbe2bcfb4cccb3cc212af8a0b8c8
- CDC, National Environmental Public Health Tracking Network, at https://ephtracking.cdc.gov/InfoByLocation/?FIPS=37065&topics=1,10,2,3,4,5,6,7,8
- Town of Maxton, North Carolina – Economic Development Strategic Five-Year Plan (2019-2024), at https://files.nc.gov/nccommerce/documents/Rural-Development-Division/Main-Street/Rural-Planning/Plans/Robeson/Maxton-Economic-Development-Strategic-Plan-7-22-19.pdf
- North Carolina State Parks, at https://www.ncparks.gov/find-a-park
- NCORR Community Recovery/ Infrastructure (CRI) Program, Abbreviated Project Information Form, May 11, 2021

- Climate Change is Probably Increasing the Intensity of Tropical Cyclones, NOAA, March 9, 2021, at https://www.climate.gov/news-features/understanding-climate/climate-change-probably-increasing-intensity-tropical-cyclones
- Climate Mapping for Resilience and Adaptation Tool, at https://livingatlas.arcgis.com/assessment-tool/home/
- NC State Environmental Clearinghouse

Attachments:

- **Attachment 1:** Proposed Project Location Maps, Robeson County Parcel Information, and Design Plans;
- **Attachment 1A:** Subject Properties' Site Visit Photographs;
- **Attachment 2:** NEPAssist Maps with 2,500-foot Buffer and 15,000-foot Buffer Showing Airports and FAA Airport Master Data for MEB.;
- **Attachment 3:** USFWS CBRS Maps;
- **Attachment 4:** FEMA FIRMs and PFIRMs with Parcel Boundary;
- **Attachment 5:** NC Nonattainment/ Maintenance Status for Each County by Year for All Criteria Pollutants (EPA Green Book) and EPA NC Radon Level Map;
- **Attachment 6:** NC DCM Counties Map and List;
- **Attachment 7**: Town of Maxton Sewer Lift Station Generators HUD Environmental Standards Review, Site Inspection Documentation, NEPAssist EPA Facilities Reports with 1-mile and 0.5-mile Buffers, NC DEQ DWM Site Locator Reports with 1-mile, 0.5-mile and 3,000-foot Buffers, Facility Reports, and Historic Aerials;
- **Attachment 8:** USFWS Raleigh FO 10-step Project Review Package and USFWS and NCORR correspondence;
- **Attachment 9:** USDA NRCS Soil Surveys;
- **Attachment 10:** EO 11988 Floodplain Management Determination;
- **Attachment 11:** SHPO Response, NCORR SHPO Submission Package, HUD TDAT Results, Catawba Indian Nation Response, NCORR Catawba Indian Nation Submission Packages, and Lumbee Tribe of NC Proposed Project Notification Letter;
- **Attachment 12**: U.S. EPA Sole Source Aquifers Map;
- **Attachment 13**: USFWS NWI Maps and NC DEQ DWR and USACE Correspondence;
- **Attachment 14:** NEPAssist Maps of DOI NPS Nationwide Rivers Inventory and National Wild and Scenic Rivers System Showing Distance from Closest WSR to Proposed Project Sites and NPS and NCORR Correspondence;
- **Attachment 15**: Subject Properties' EJSCREEN Standard Reports, EJSCREEN ACS Summary Reports, EJSCREEN Census 2010 Summary Reports, and NC DEQ Community Mapping System Maps;
- **Attachment 16:** Subject Properties' Zoning Maps;
- **Attachment 17:** Educational and Cultural Facilities documentation;
- **Attachment 18:** Commercial Facilities documentation;
- **Attachment 19:** Health Care and Social Services documentation;
- **Attachment 20:** EJSCREEN website's Climate Change Data and CMRAT Data for Robeson County, NC;
- **Attachment 21:** State Environmental Clearinghouse Comments.

List of Permits to Be Obtained (later identified permits will be added to the ERR)**:**
All applicable federal, state and local permits will be identified and obtained prior to starting construction.

- Floodplain Development Permit

Public Outreach [24 CFR 50.23 & 58.43]**:**

The Town of Maxton WWTP Board updates the community with milestones during Town Board Meetings.

Cumulative Impact Analysis [24 CFR 58.32]**:**

The proposed project and its potential environmental impacts were evaluated in accordance with 24 CFR 58 requirements to determine whether it meets federal, State, and local environmental standards. This evaluation included a review of cumulative impacts on the environment resulting from the proposed project's incremental impacts combined with other past, present, and reasonably foreseeable future actions undertaken by any party. The proposed project does not negatively impact the surrounding environment or Subject Properties and will not have an adverse environmental or health effect on end users. Rather, the proposed project aims to prevent sewage backflows and lack of sewage treatment capacity in the Town's WWTP's service area during storm events. The proposed project is necessary to have fully functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after future storm events. Thus, the benefits of this proposed project to the community of the Town of Maxton cannot be understated.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

The proposed project involves the purchase, installation and operation of generator packages at four existing fenced-in sewer lift stations. Since the generators are ancillary structures and must be installed next to the four existing sewer lift stations, there are no additional alternatives other than the "No Action" Alternative for the proposed project. Hurricane Matthew caused widespread power outages in Maxton and throughout Robeson County causing functional failures at all eleven sewer lift stations, which resulted in waste backups throughout the Town's sewer system due to the lack of auxiliary power availability at the sewer lift stations. The presence of auxiliary power capability at even four of the lift station sites would have offset the harmful effects of primary power loss; however, the Town did not have generators, either fixed or mobile, available for use, until days following the storm. After taking into account the capability of the overall system to transport waste to the main treatment plant, these four sewer lift stations were identified as those necessary for the overall system to function in the event of primary power loss. These four sewer lift stations have been prioritized as those sites requiring auxiliary power sources and automatic switching capability. The generators will provide auxiliary power during power outages, such as those experienced during Hurricane Matthew. The proposed project is necessary to have fully

functioning sewer lift stations to protect the residents and community from the inundation of sewage during and after future storm events.

No Action Alternative [24 CFR 58.40(e)]:

The "No Action" Alternative is not considered feasible since the Town of Maxton experiences sewage backflows and lack of sewage treatment capacity in the Town's WWTP's service area during storm events. In the absence of effective waste water treatment, threats to public safety arising from lack of processing capability are of chief concern to the Town and County. Providing this critical infrastructure will ensure that sewage treatment may continue in the event of loss of primary power and alleviate severe threats to public welfare during and after future storm events. There is no identifiable benefit from not completing the proposed project.

Summary of Findings and Conclusions:

The preceding Statutory Checklist and Environmental Assessment Checklist, and the discussion below, document that the proposed work will comply with regulations in 24 CFR part 58 and that there are no direct or cumulative adverse environmental impacts anticipated as a result of the proposed project.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Any change to the approved scope of work will require re-evaluation by the Certifying Officer for compliance with NEPA and other laws and Executive Orders.

This review does not address all federal, state, and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state, and local environmental permits and clearances may jeopardize federal funding. Guidelines, recommendations, and requirements identified during agency and the State Environmental Clearinghouse inter-agency review shall be considered and required, where applicable.

Law, Authority, or Factor	Mitigation Measure
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. Mitigation measures for dust control will be implemented to reduce potential impacts to air quality during construction, as applicable. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use practicable Best Management Practices (BMPs) to reduce fugitive dust generation and diesel emissions. BMPs can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and construction vehicles and machinery will operate at reduced speeds to reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to construction hours only and removal once construction is completed.
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	The proposed project activities are not expected to generate excessive noise during the short-term construction work or long-term operation. Short-term construction noise will be limited to daytime hours. Construction equipment will be required to meet local sound control requirements. The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Eight-step compliance with EO 11988 under 24 CFR 55.20 is required because "modification" of floodplain will involve installation of a generator package, including integrated diesel fuel tanks, ATS, wiring connections, electrical panel, mounting pad, and generator at Maxton **SLS No. 11** in the 100-year floodplain. The proposed project will result in temporary impacts to 0.03 acres of 100-year floodplain and permanent impacts to 0.002 acres of 100-year floodplain. All generator equipment at all sites will be placed on concrete pads above surrounding ground elevation, with **SLS No. 11** improvements placed at least two feet above BFE. The generator at **SLS No. 11** will be placed in existing fill within the 100-year floodplain. According to the engineer, WithersRavenel, the proposed activities at **SLS No. 11** will not result in any additional fill within the 100-year floodplain. Native plants will be used in site restoration. The Proposed Activity will comply with a Floodplain Development Permit and all applicable federal, State and local laws, regulations, and permit requirements and conditions which shall be obtained before commencing work.

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	As practicable, BMPs for erosion and sedimentation control will be utilized during construction. Thus, measures will be implemented to ensure the proposed project will have no further impacts to 100-year floodplain during construction.
Solid Waste Disposal / Recycling	All construction wastes will be appropriately disposed of according to the type of waste generated and construction waste management practices in an appropriate, legally compliant receiving facility. The NC DEQ DWM Solid Waste Section (Section) commented that "[f]or any planned or proposed projects, it is recommended that during any land clearing, construction, the NC Department of Public Safety [Robeson County and the Town of Maxton] and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. **Any waste generated by and of the projects that cannot be beneficially reused or recycled as described, may require disposal of at a solid waste management facility permitted by the Division. The Section strongly recommends that the NC Department of Public Safety [Robeson County and the Town of Maxton] require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.**" In addition, the NC DEQ notes that "[a]ny open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900."

Determination:

☒ **Finding of No Significant Impact** [24 CFR 58.40(g)(1); 40 CFR 1508.27]
The project will not result in a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact** [24 CFR 58.40(g)(2); 40 CFR 1508.27]
The project may significantly affect the quality of the human environment.

Preparer Signature: Andrea Sievers Date: 6/29/23

Name/Title/Organization: Andrea Gievers, Environmental SME, NCORR

Certifying Officer Signature: DocuSigned by: Laura H. Hogshead FF541CA0AE7E46F... Date: 6/29/2023

Name/Title: Laura H. Hogshead, Director, NCORR

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

ATTACHMENT 1:

Proposed Project Location Maps, Robeson County Parcel Information, and Design Plans

Maxton Sewer Lift Station **No. 5**, 303 N. Hooper Street, Maxton, NC 28364, Parcel ID 330601026

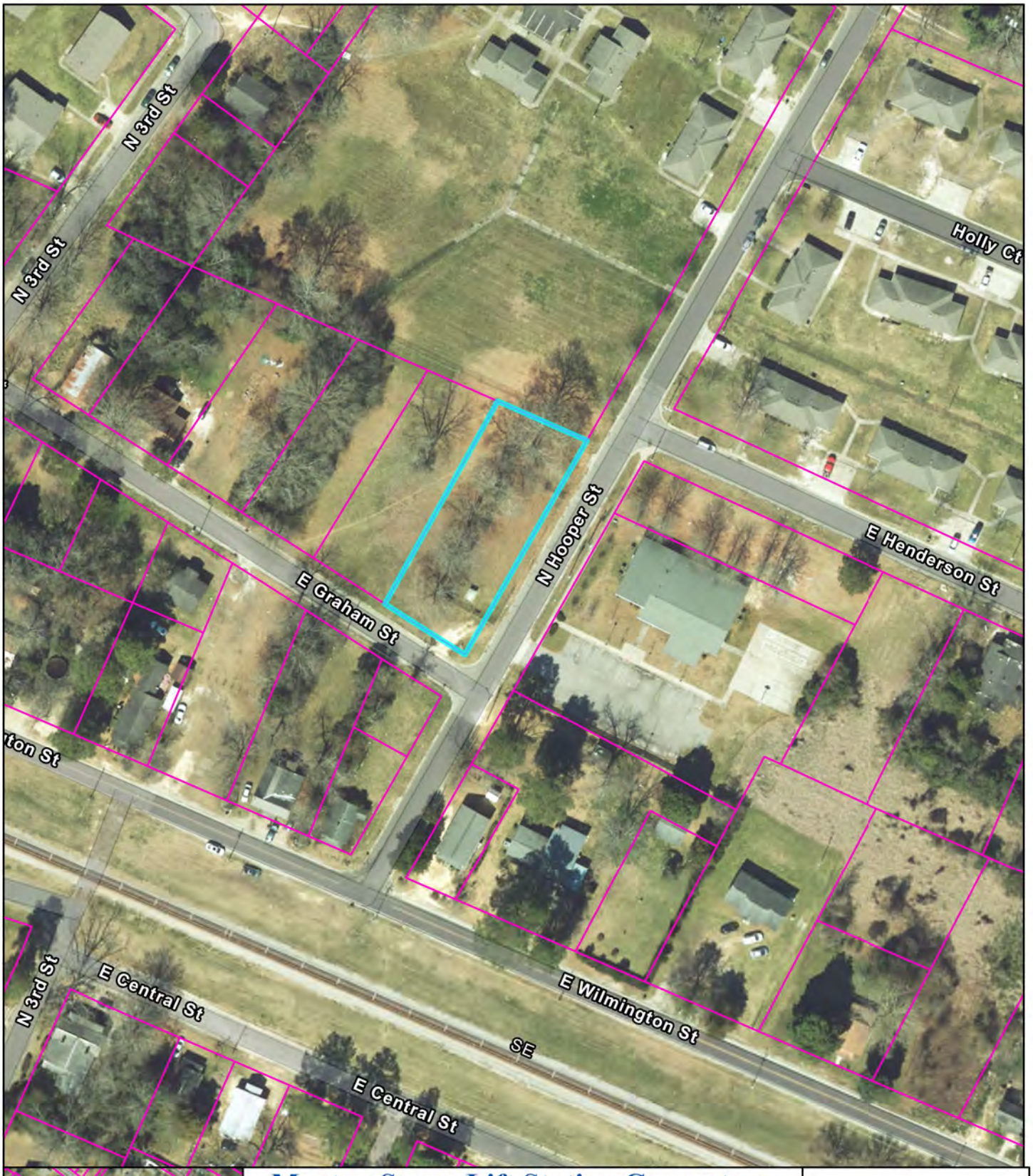
Maxton Sewer Lift Station **No. 7**, 904 US 74 BUS, Maxton, NC 28364, Parcel ID 33030102001

Maxton Sewer Lift Station **No. 10**, 627 NC Highway 71N, Maxton, NC 28364, Parcel ID 11030100143

Maxton Sewer Lift Station **No. 11**, 2074 NC Highway 71N, Maxton, NC 28364, Parcel ID 110202001

Maxton Sewer Lift Station No. 5

303 N. Hooper Street, Maxton, NC 28364



Maxton Sewer Lift Station Generators

No. 5, 303 N. Hooper Street

Maxton, Robeson County, NC

Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NC CGIA, Maxar, USGS

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

N

0 90 180 360
Feet

Maxton Sewer Lift Station Generators

No. 5, 303 N. Hooper Street

Maxton, Robeson County, NC

Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USGS The National Map:

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

N

0 90 180 360
Feet

Maxton Sewer Lift Station Generators

No. 5, 303 N. Hooper Street
Maxton, Robeson County, NC

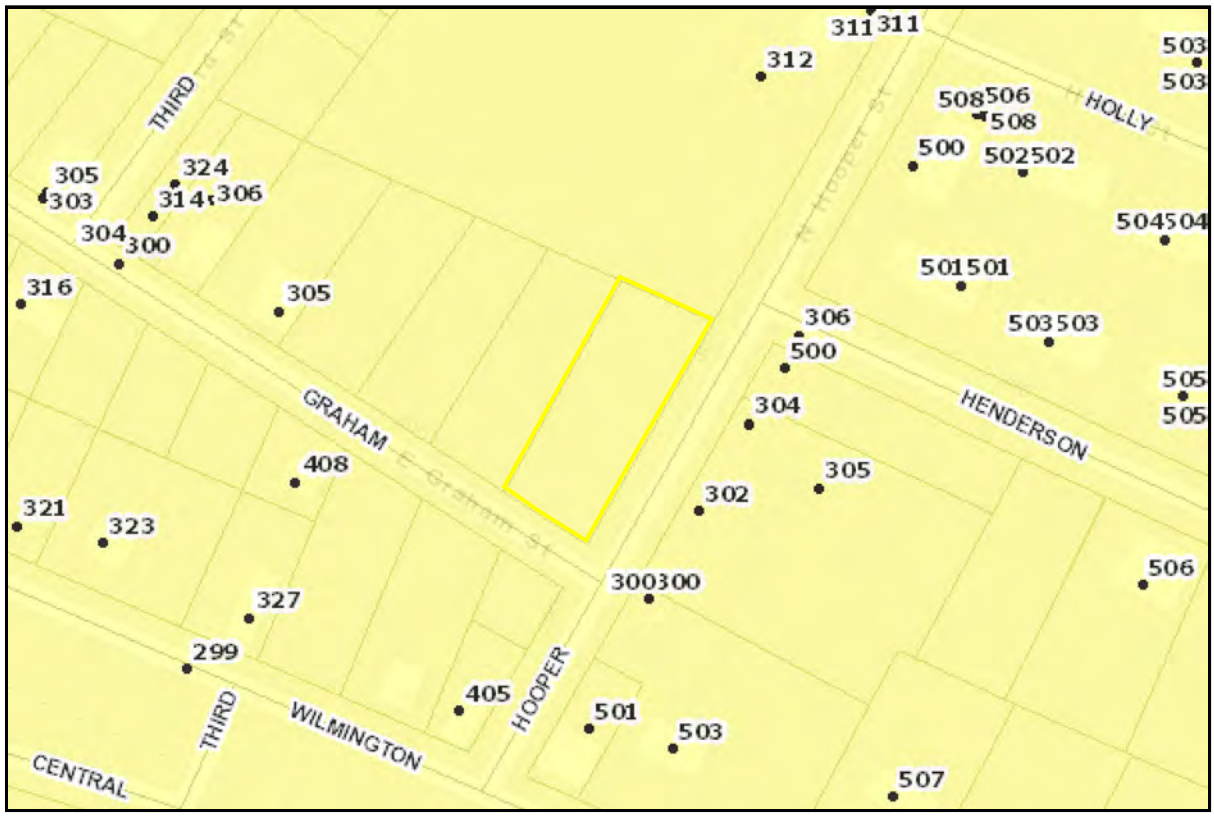
USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

N

0 90 180 360
Feet

County of Robeson, NC



MAPNO	330601026
PIN_NUMBER	839579018400
PARCELTYPE	Base Parcel
CONFLICTNOTATION	
DEEDEDACRES	0
OWNERTYPE	null
STATUS	null
OLDMAPNO	3306-01-026
NUMMOD	null
LOT	null
NBHD_CODE	33011
TAX_YEAR	2021
PAR_CODE	
MAP	8395
SUBMAP	
BLOCK	79
PARCEL	0184
SUBPARCEL	00
PHYLOCAT	75532
CITYCODE	
ROUTENUM	0
OWNERID	47054003
CUROWNID	47054003

OWNAM1	TOWN OF MAXTON
OWNAM2	
OWNAM3	
OWADR1	P O BOX 99
OWADR2	
OWADR3	
OWADR4	
OWCITY	MAXTON
OWSTATE	NC
OWZIP	283640000
STNUM	0
STSUFFIX	
STDIR	
STNAME	GRAHAM
STTYPE	ST
STDIRSUF	
UNITNO	
DEEDACRE	0.41
MAPACRE	0.41
DISTCODE	53
TOWNCODE	33
PARDESC3	
PARDESC1	E-70
NBHCLASS	
NBHCODE	33011
EXEMCODE	E70
DEEDBOOK	null
DEEDPAGE	null
DEEDYEAR	null
PLATBOOK	null
PLATPAGE	null
DATESOLD	null
LEGDESC1	LT WEST SIDE 4TH ST
LEGDESC2	
LEGDESC3	
PARDESC4	
GROUPPAR	839579018400
REQREVIEW	
PHYSTRADR	GRAHAM ST
SCHCODE	0
AREACODE	1
LNDASVCUR	9800
IMPASVCUR	6900
QUALCODE	null

RECTYPE	null
SALEAMT	null
SALEINST	null
DEEDSTMP	null

Robeson County Government

PROPERTY REPORT - PRINT

Property Owner	Owner's Mailing Address	Property Location Address
TOWN OF MAXTON	P O BOX 99 MAXTON, NC 283640000	GRAHAM ST

Administrative Data

Parcel Ref No.	**330601026**
PIN	**839579018400**
Account No.	**47054003**
Tax District	**TOWN MAXTON**
Land Use Code	**E-70**
Land Use Desc	**RP LOCAL GOVT. (TWP & BD)**
Subdiv Code	
Subdiv Desc	
Neighborhood	**33011**

Administrative Data

Legal Desc	**LT WEST SIDE 4TH ST**
Deed Bk/Pg	**/**
Plat Bk/Pg	**/**

Sales Information

Grantor	
Sold Date	**2005-01-01**
Sold Amount $	**0**

Valuation Information

Market Value $ **16,700**

Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal

Assessed Value $ 16,700

If Assessed Value not equal Market Value then subject parcel designated as a special class -agricultural, horticultural, or forestland and thereby eligible for taxation on basis of Present-Use and/or reduction from a formal appeal procedure

Land Supplemental

Map Acres	**0.41**
Tax District Note	
Present-Use Info	

Improvement Detail

(1st Major Improvement on Subject Parcel)

Year Built	**0**
Built Use/Style	
Current Use	**/**
* Percent Complete	**0**
Heated Area (S/F)	**0**
** Bathroom(s)	**0 Full Bath(s) 0 Half Bath(s)**
** Bedroom(s)	**0**
Fireplace (Y/N)	**N**
Basement (Y/N)	**N**
Attached Garage (Y/N)	**N**
*** Multiple Improvements	**0**

* Note - As of January 1
* * Note - Bathroom(s), Bedroom(s), shown for description only
* * * Note - If multiple improvements equal "MLT" then parcel includes additional major improvements

Improvement Valuation (1st Major Improvement on Subject Parcel)

* Improvement Market Value $	** Improvement Assessed Value $
6,900	**6,900**

* Note - Market Value effective Date equal January 1, 2010, date of County's most recent General Reappraisal
** Note - If Assessed Value not equal Market Value then variance resulting from formal appeal procedure

Land Value Detail (Effective Date January 1, 2010, date of County's most recent General Reappraisal)

Land Market Value (LMV) $	Land Present-Use Value (PUV) $ **	Land Total Assessed Value $
9,800	**9,800**	**9,800**

** Note: If PUV equal LMV then parcel ***has not*** qualified for present use program

Maxton Sewer Lift Station No. 7

904 US 74 BUS, Maxton, NC 28364

Maxton Sewer Lift Station Generators

No. 7, 904 US 74 Business

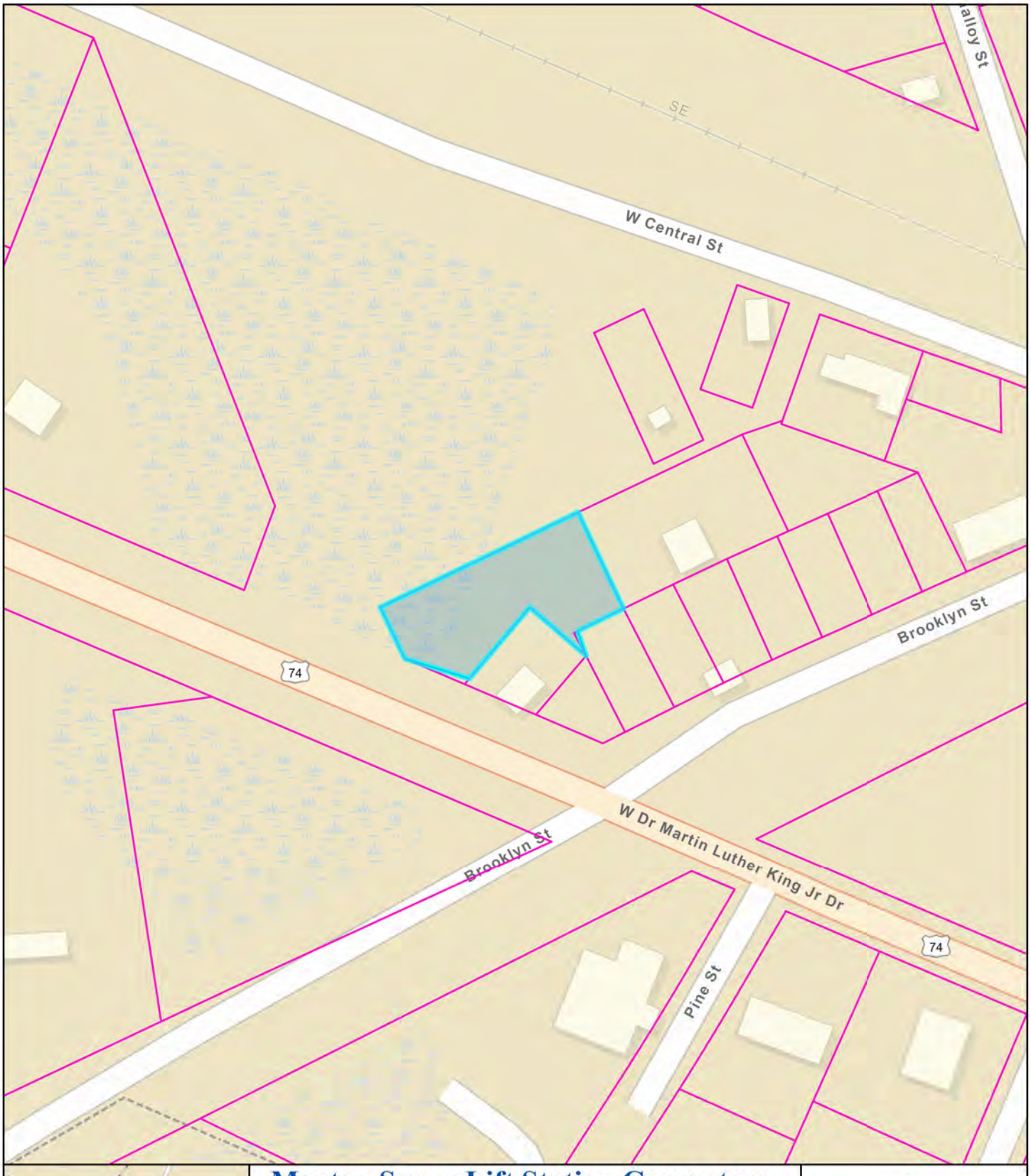
Maxton, Robeson County, NC

Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NC CGIA, Maxar, Esri

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

N

0 35 70 140
Feet



Maxton Sewer Lift Station Generators

No. 7, 904 US 74 Business

Maxton, Robeson County, NC

State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Esri Community Maps Contributors, State of North

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N

0 40 80 160
Feet

Maxton Sewer Lift Station Generators

No. 7, 904 US 74 Business

Maxton, Robeson County, NC

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

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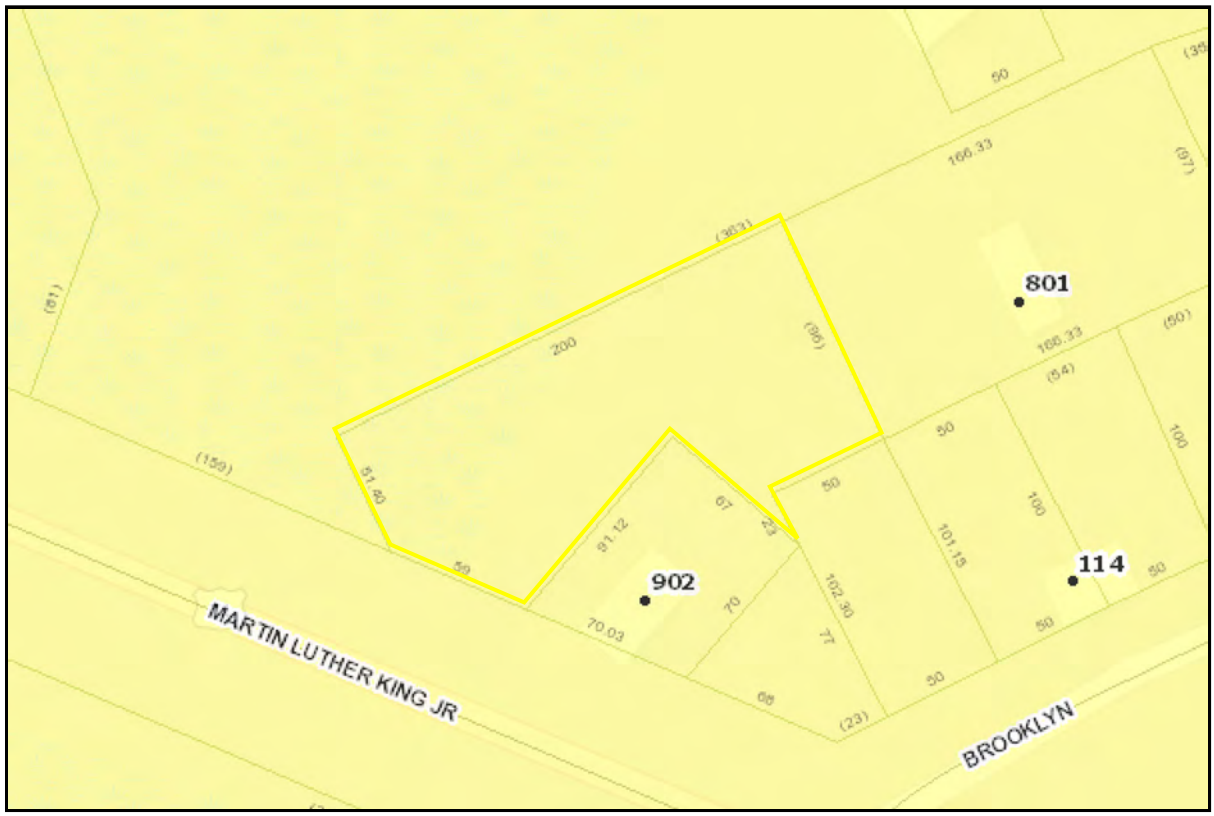
Feet

County of Robeson, NC



MAPNO	33030102001
PIN_NUMBER	839620138500
PARCELTYPE	Base Parcel
CONFLICTNOTATION	
DEEDEDACRES	0
OWNERTYPE	null
STATUS	null
OLDMAPNO	3303-01-02001
NUMMOD	null
LOT	null
NBHD_CODE	33003
TAX_YEAR	2021
PAR_CODE	
MAP	8396
SUBMAP	
BLOCK	20
PARCEL	1385
SUBPARCEL	00
PHYLOCAT	64399
CITYCODE	
ROUTENUM	0
OWNERID	47054004
CUROWNID	47054004

OWNAM1	TOWN OF MAXTON
OWNAM2	
OWNAM3	
OWADR1	P O BOX 99
OWADR2	
OWADR3	
OWADR4	
OWCITY	MAXTON
OWSTATE	NC
OWZIP	283640000
STNUM	0
STSUFFIX	
STDIR	
STNAME	MARTIN LUTHER KING DR
STTYPE	
STDIRSUF	
UNITNO	
DEEDACRE	0.33
MAPACRE	0.33
DISTCODE	53
TOWNCODE	33
PARDESC3	
PARDESC1	E-70
NBHCLASS	
NBHCODE	33003
EXEMCODE	E70
DEEDBOOK	null
DEEDPAGE	null
DEEDYEAR	null
PLATBOOK	null
PLATPAGE	null
DATESOLD	null
LEGDESC1	LT BROOKLYN
LEGDESC2	
LEGDESC3	
PARDESC4	
GROUPPAR	839620138500
REQREVIEW	
PHYSTRADR	MARTIN LUTHER KING DR
SCHCODE	0
AREACODE	1
LNDASVCUR	3600
IMPASVCUR	400
QUALCODE	null

RECTYPE	null
SALEAMT	null
SALEINST	null
DEEDSTMP	null

Robeson County Government

PROPERTY REPORT - PRINT

Property Owner	Owner's Mailing Address	Property Location Address
TOWN OF MAXTON	P O BOX 99 MAXTON, NC 283640000	MARTIN LUTHER KING DR

Administrative Data

Parcel Ref No.	**33030102001**
PIN	**839620138500**
Account No.	**47054004**
Tax District	**TOWN MAXTON**
Land Use Code	**E-70**
Land Use Desc	**RP LOCAL GOVT. (TWP & BD)**
Subdiv Code	
Subdiv Desc	
Neighborhood	**33003**

Administrative Data

Legal Desc	**LT BROOKLYN**
Deed Bk/Pg	**/**
Plat Bk/Pg	**/**

Sales Information

Grantor	
Sold Date	**2005-01-01**
Sold Amount $	**0**

Valuation Information

Market Value $ **4,000**

Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal

Assessed Value $ 4,000

If Assessed Value not equal Market Value then subject parcel designated as a special class -agricultural, horticultural, or forestland and thereby eligible for taxation on basis of Present-Use and/or reduction from a formal appeal procedure

Land Supplemental

Map Acres	**0.33**
Tax District Note	
Present-Use Info	

Improvement Detail

(1st Major Improvement on Subject Parcel)

Year Built	**0**
Built Use/Style	
Current Use	**/**
* Percent Complete	**0**
Heated Area (S/F)	**0**
** Bathroom(s)	**0 Full Bath(s) 0 Half Bath(s)**
** Bedroom(s)	**0**
Fireplace (Y/N)	**N**
Basement (Y/N)	**N**
Attached Garage (Y/N)	**N**
*** Multiple Improvements	**0**

* Note - As of January 1
* * Note - Bathroom(s), Bedroom(s), shown for description only
* * * Note - If multiple improvements equal "MLT" then parcel includes additional major improvements

Improvement Valuation (1st Major Improvement on Subject Parcel)

* Improvement Market Value $	** Improvement Assessed Value $
400	**400**

* Note - Market Value effective Date equal January 1, 2010, date of County's most recent General Reappraisal
** Note - If Assessed Value not equal Market Value then variance resulting from formal appeal procedure

Land Value Detail (Effective Date January 1, 2010, date of County's most recent General Reappraisal)

Land Market Value (LMV) $	Land Present-Use Value (PUV) $ **	Land Total Assessed Value $
3,600	**3,600**	**3,600**

** Note: If PUV equal LMV then parcel ***has not*** qualified for present use program

Maxton Sewer Lift Station No. 10

627 NC Highway 71N, Maxton, NC 28364

Maxton Sewer Lift Station Generators

No. 10, 627 NC Highway 71N
Maxton, Robeson County, NC

Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, NC CGIA, Maxar, USGS

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

N

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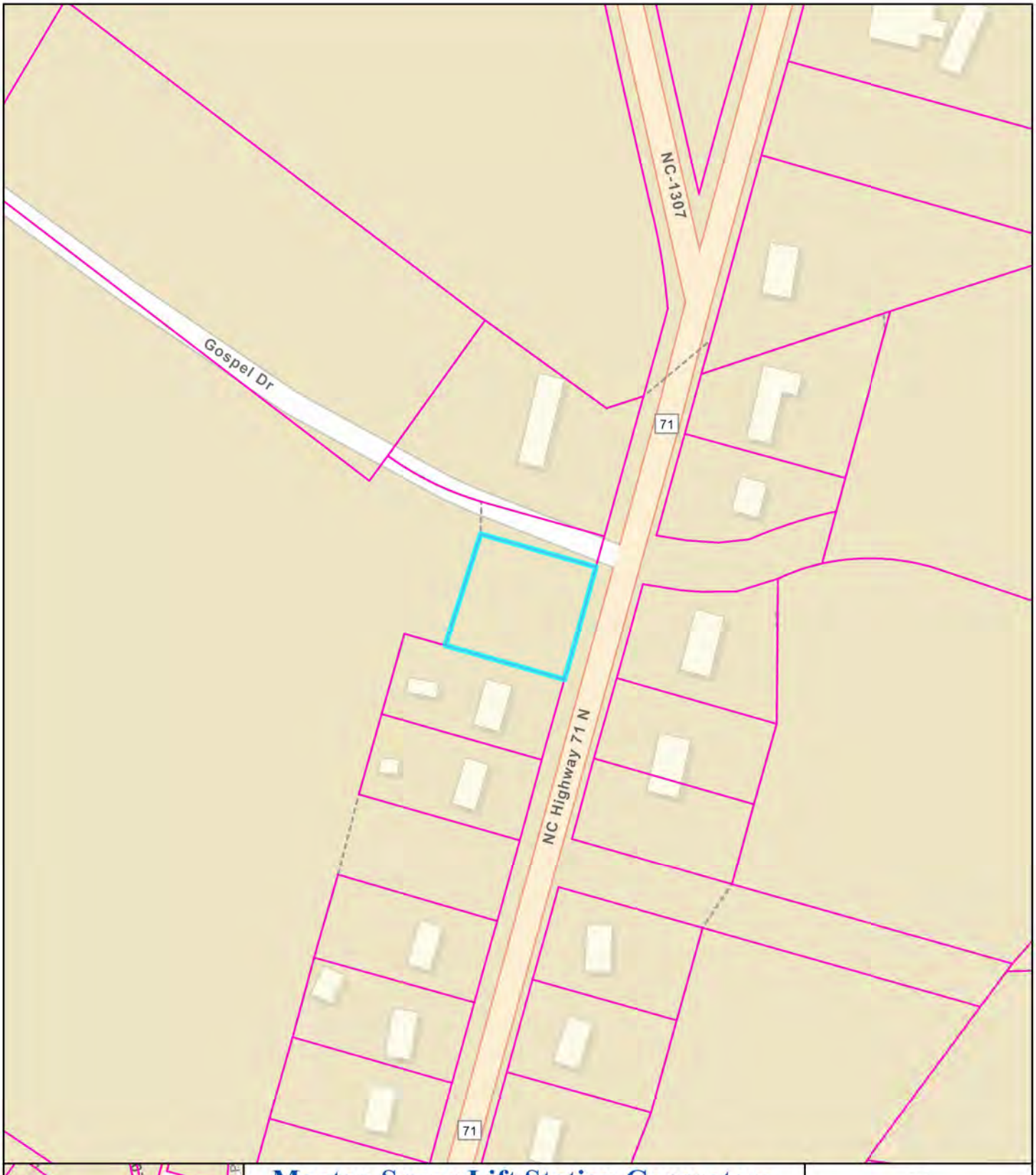
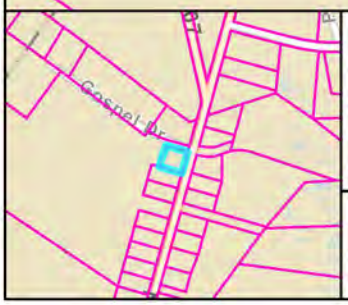
Feet





Maxton Sewer Lift Station Generators

No. 10, 627 NC Highway 71N
Maxton, Robeson County, NC

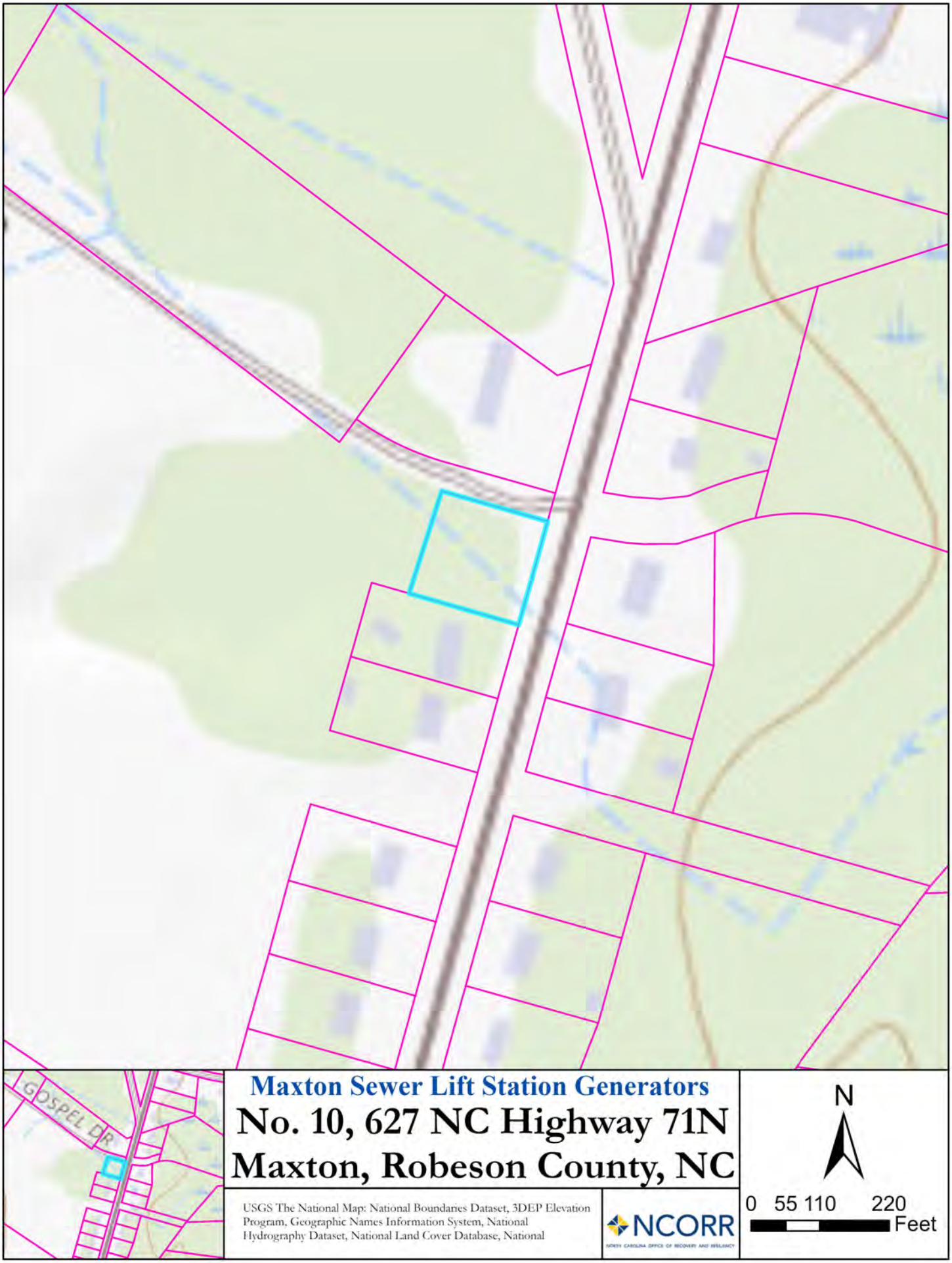
Esri Community Maps Contributors, State of North Carolina DOT, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USGS The National Map:

NCORR

N

0 55 110 220

Feet



Maxton Sewer Lift Station Generators

No. 10, 627 NC Highway 71N
Maxton, Robeson County, NC

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

N

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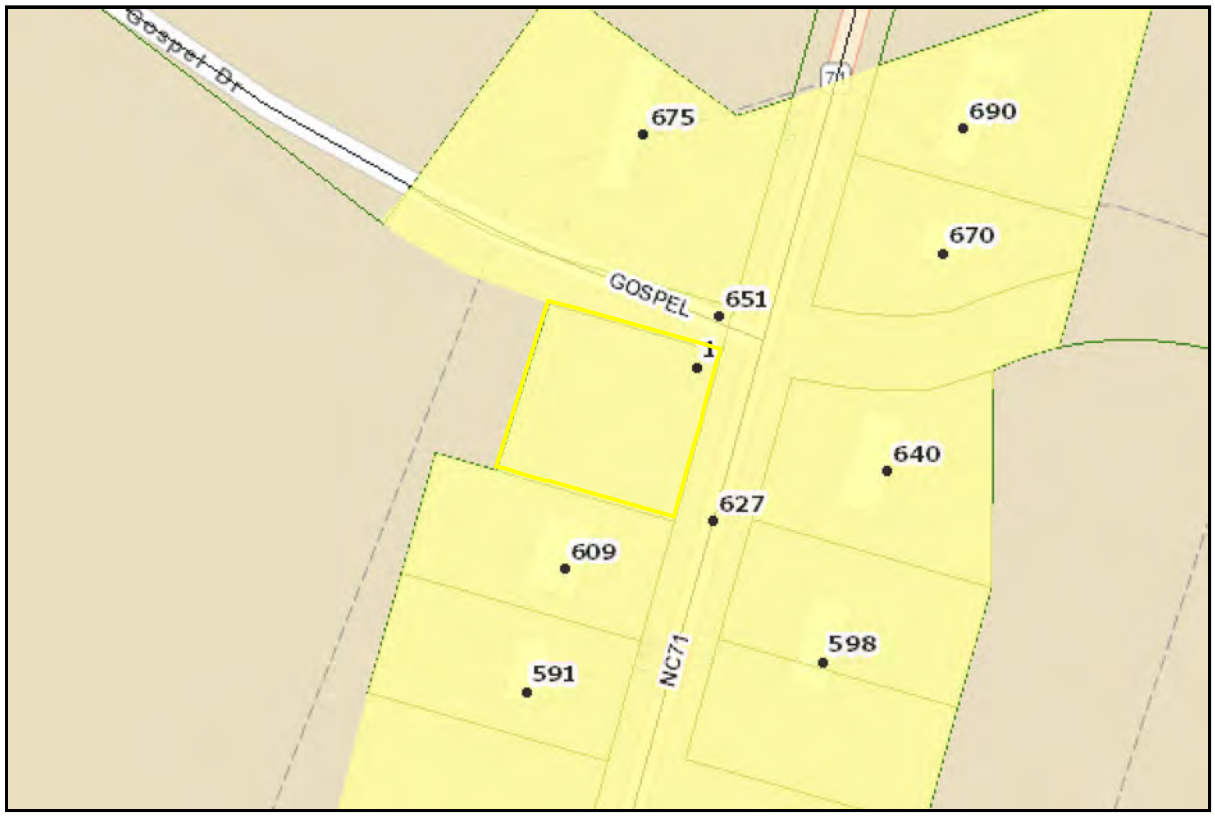
Feet

County of Robeson, NC



MAPNO	11030100143
PIN_NUMBER	839677702100
PARCELTYPE	Base Parcel
CONFLICTNOTATION	
DEEDEDACRES	0
OWNERTYPE	null
STATUS	null
OLDMAPNO	1103-01-00143
NUMMOD	null
LOT	null
NBHD_CODE	33020
TAX_YEAR	2021
PAR_CODE	
MAP	8396
SUBMAP	
BLOCK	77
PARCEL	7021
SUBPARCEL	00
PHYLOCAT	74137
CITYCODE	
ROUTENUM	0
OWNERID	47054022
CUROWNID	47054022

OWNAM1	TOWN OF MAXTON
OWNAM2	
OWNAM3	
OWADR1	P O BOX 99
OWADR2	
OWADR3	
OWADR4	
OWCITY	MAXTON
OWSTATE	NC
OWZIP	283640000
STNUM	0
STSUFFIX	
STDIR	
STNAME	DEANGELO RD
STTYPE	
STDIRSUF	
UNITNO	
DEEDACRE	0.47
MAPACRE	0.47
DISTCODE	53
TOWNCODE	11
PARDESC3	
PARDESC1	E-70
NBHCLASS	
NBHCODE	33020
EXEMCODE	E70
DEEDBOOK	null
DEEDPAGE	null
DEEDYEAR	null
PLATBOOK	null
PLATPAGE	null
DATESOLD	null
LEGDESC1	WEST SIDE NC HWY 71
LEGDESC2	
LEGDESC3	
PARDESC4	
GROUPPAR	839677702100
REQREVIEW	
PHYSTRADR	DEANGELO RD
SCHCODE	0
AREACODE	1
LNDASVCUR	14100
IMPASVCUR	2200
QUALCODE	null

RECTYPE	null
SALEAMT	null
SALEINST	null
DEEDSTMP	null

Robeson County Government

PROPERTY REPORT - PRINT

Property Owner	Owner's Mailing Address	Property Location Address
TOWN OF MAXTON	P O BOX 99 MAXTON, NC 283640000	DEANGELO RD

Administrative Data

Parcel Ref No.	**11030100143**
PIN	**839677702100**
Account No.	**47054022**
Tax District	**TOWN MAXTON**
Land Use Code	**E-70**
Land Use Desc	**RP LOCAL GOVT. (TWP & BD)**
Subdiv Code	
Subdiv Desc	
Neighborhood	**33020**

Administrative Data

Legal Desc	**WEST SIDE NC HWY 71**
Deed Bk/Pg	**/**
Plat Bk/Pg	**/**

Sales Information

Grantor	
Sold Date	**2005-01-01**
Sold Amount $	**0**

Valuation Information

Market Value $ **16,300**

Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal

Assessed Value $ 16,300

If Assessed Value not equal Market Value then subject parcel designated as a special class -agricultural, horticultural, or forestland and thereby eligible for taxation on basis of Present-Use and/or reduction from a formal appeal procedure

Land Supplemental

Map Acres	**0.47**
Tax District Note	
Present-Use Info	

Improvement Detail

(1st Major Improvement on Subject Parcel)

Year Built	**0**
Built Use/Style	
Current Use	**/**
* Percent Complete	**0**
Heated Area (S/F)	**0**
** Bathroom(s)	**0 Full Bath(s) 0 Half Bath(s)**
** Bedroom(s)	**0**
Fireplace (Y/N)	**N**
Basement (Y/N)	**N**
Attached Garage (Y/N)	**N**
*** Multiple Improvements	**0**

* Note - As of January 1
* * Note - Bathroom(s), Bedroom(s), shown for description only
* * * Note - If multiple improvements equal "MLT" then parcel includes additional major improvements

Improvement Valuation (1st Major Improvement on Subject Parcel)

* Improvement Market Value $	** Improvement Assessed Value $
2,200	**2,200**

* Note - Market Value effective Date equal January 1, 2010, date of County's most recent General Reappraisal
** Note - If Assessed Value not equal Market Value then variance resulting from formal appeal procedure

Land Value Detail (Effective Date January 1, 2010, date of County's most recent General Reappraisal)

Land Market Value (LMV) $	Land Present-Use Value (PUV) $ **	Land Total Assessed Value $
14,100	**14,100**	**14,100**

** Note: If PUV equal LMV then parcel ***has not*** qualified for present use program

Maxton Sewer Lift Station No. 11

2074 NC Highway 71N, Maxton, NC 28364

Maxton Sewer Lift Station Generators

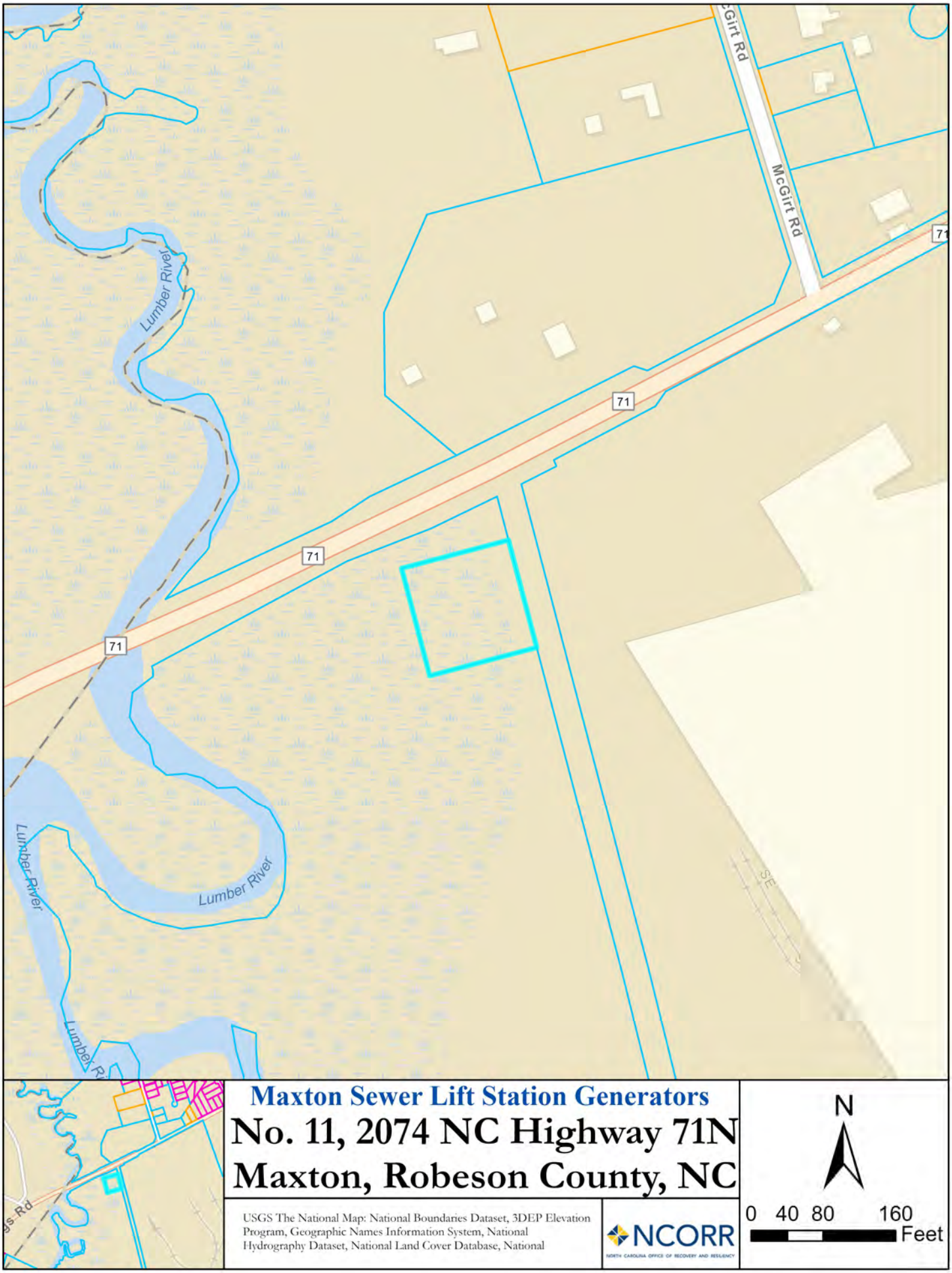
No. 11, 2074 NC Highway 71N
Maxton, Robeson County, NC

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

N

0 40 80 160
Feet



Maxton Sewer Lift Station Generators

No. 11, 2074 NC Highway 71N
Maxton, Robeson County, NC

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

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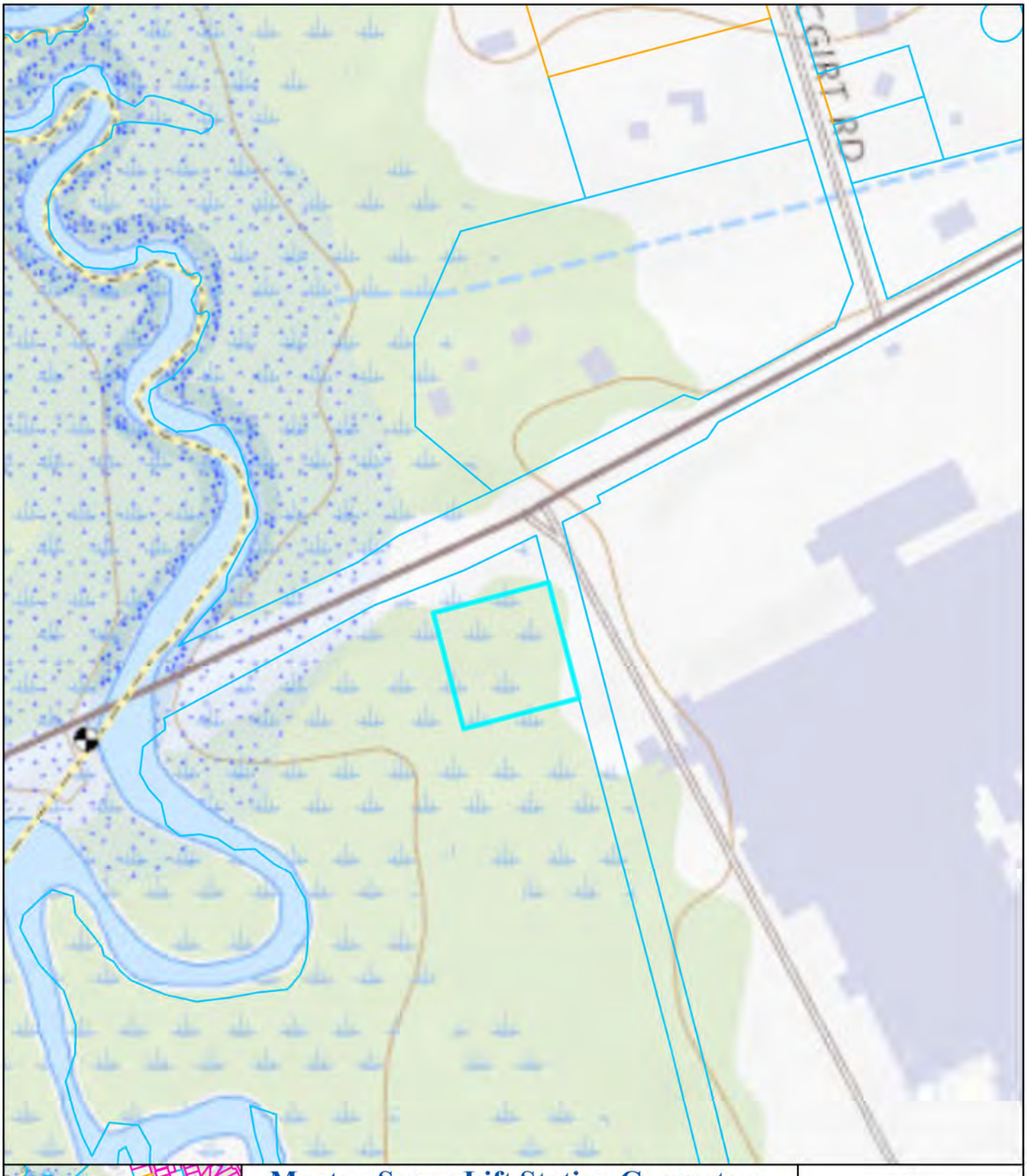
Feet



Maxton Sewer Lift Station Generators

No. 11, 2074 NC Highway 71N
Maxton, Robeson County, NC

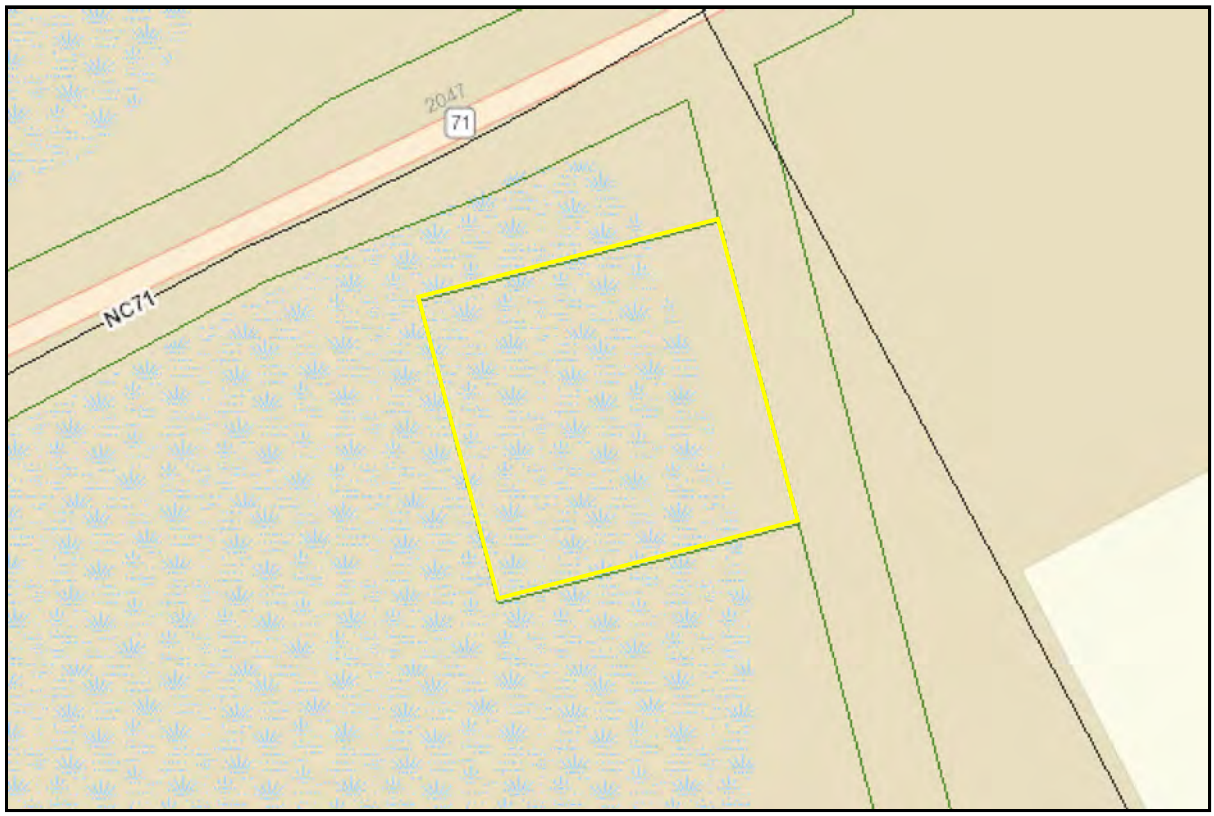
USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National

NCORR
NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

N

0 40 80 160
Feet

County of Robeson, NC



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PIN_NUMBER	930712159700
PARCELTYPE	Base Parcel
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DEEDEDACRES	1.42999995
OWNERTYPE	null
STATUS	null
OLDMAPNO	1102-02-001
NUMMOD	null
LOT	null
NBHD_CODE	11001
TAX_YEAR	2021
PAR_CODE	
MAP	9307
SUBMAP	
BLOCK	12
PARCEL	1597
SUBPARCEL	00
PHYLOCAT	59913
CITYCODE	
ROUTENUM	0
OWNERID	46904058
CUROWNID	46904058

OWNAM1	COUNTY OF ROBESON
OWNAM2	
OWNAM3	
OWADR1	701 N ELM ST
OWADR2	
OWADR3	
OWADR4	
OWCITY	LUMBERTON
OWSTATE	NC
OWZIP	283580000
STNUM	2074
STSUFFIX	
STDIR	
STNAME	71
STTYPE	HWY
STDIRSUF	
UNITNO	
DEEDACRE	1.43
MAPACRE	1.43
DISTCODE	9
TOWNCODE	11
PARDESC3	
PARDESC1	E-12
NBHCLASS	
NBHCODE	11001
EXEMCODE	E12
DEEDBOOK	null
DEEDPAGE	null
DEEDYEAR	null
PLATBOOK	null
PLATPAGE	null
DATESOLD	null
LEGDESC1	AC S/S HWY 71
LEGDESC2	
LEGDESC3	WELL SITE #2
PARDESC4	
GROUPPAR	930712159700
REQREVIEW	
PHYSTRADR	2074 71 HWY
SCHCODE	0
AREACODE	1
LNDASVCUR	12200
IMPASVCUR	1300
QUALCODE	null

RECTYPE	null
SALEAMT	null
SALEINST	null
DEEDSTMP	null

Robeson County Government

PROPERTY REPORT - PRINT

Property Owner	Owner's Mailing Address	Property Location Address
COUNTY OF ROBESON	701 N ELM ST LUMBERTON, NC 283580000	2074 71 HWY

Administrative Data

Parcel Ref No.	**110202001**
PIN	**930712159700**
Account No.	**46904058**
Tax District	**QUE HILL FIRE**
Land Use Code	**E-12**
Land Use Desc	**COUNTY PROPERTY W/ASSESTS**
Subdiv Code	
Subdiv Desc	
Neighborhood	**11001**

Administrative Data

Legal Desc	**AC S/S HWY 71**
Deed Bk/Pg	**/**
Plat Bk/Pg	**/**

Sales Information

Grantor	
Sold Date	**2005-01-01**
Sold Amount $	**0**

Valuation Information

Market Value $ **13,500**

Market Value - Land and all permanent improvements, if any, effective January 1, 2010, date of County's most recent General Reappraisal

Assessed Value $ 13,500

If Assessed Value not equal Market Value then subject parcel designated as a special class -agricultural, horticultural, or forestland and thereby eligible for taxation on basis of Present-Use and/or reduction from a formal appeal procedure

Land Supplemental

Map Acres	**1.43**
Tax District Note	
Present-Use Info	

Improvement Detail

(1st Major Improvement on Subject Parcel)

Year Built	**0**
Built Use/Style	
Current Use	**/**
* Percent Complete	**0**
Heated Area (S/F)	**0**
** Bathroom(s)	**0 Full Bath(s) 0 Half Bath(s)**
** Bedroom(s)	**0**
Fireplace (Y/N)	**N**
Basement (Y/N)	**N**
Attached Garage (Y/N)	**N**
*** Multiple Improvements	**0**

* Note - As of January 1
* * Note - Bathroom(s), Bedroom(s), shown for description only
* * * Note - If multiple improvements equal "MLT" then parcel includes additional major improvements

Improvement Valuation (1st Major Improvement on Subject Parcel)

* Improvement Market Value $	** Improvement Assessed Value $
1,300	**1,300**

* Note - Market Value effective Date equal January 1, 2010, date of County's most recent General Reappraisal
** Note - If Assessed Value not equal Market Value then variance resulting from formal appeal procedure

Land Value Detail (Effective Date January 1, 2010, date of County's most recent General Reappraisal)

Land Market Value (LMV) $	Land Present-Use Value (PUV) $ **	Land Total Assessed Value $
12,200	**12,200**	**12,200**

** Note: If PUV equal LMV then parcel ***has not*** qualified for present use program

Maxton Sewer Lift Station Generators
Project Design Plans

CONSTRUCTION PLANS

ROBESON COUNTY
MAXTON GENERATORS
CRI-155-0014

MAXTON, NC 28364 | ROBESON

JANUARY 2023

INDEX OF SHEETS

NUMBER	TITLE
--	COVER
G-1.00	GENERAL NOTES AND LEGEND
E-1.00	ELECTRICAL NOTES, DETAILS
E-1.01	ELECTRICAL LS5
E-1.02	ELECTRICAL LS7
E-1.03	ELECTRICAL LS10
E-1.04	ELECTRICAL LS11
C-1.00	EROSION CONTROL DETAILS
C-1.01	STANDARD DETAILS

CONTACT LIST:

WithersRavenel
219 Station Road, Suite 101
Wilmington, NC 28403
910-256-9277

811 Know what's below. Call before you dig.

NORTH CAROLINA PROFESSIONAL SEAL 036163 ENGINEER LEONARD McBRYDE III

PREPARED BY:

WithersRavenel
219 Station Road | Ste 101 | Wilmington, NC 28405
License #: F-1479 | t: 910.256.9277 | www.withersravenel.com

OWNER:

ROBESON COUNTY
550 N CHESTNUT ST
LUMBERTON, NC 29358
PHONE #: (910) 671-3022
ATTENTION: KELLIE BLUE

CONSTRUCTION PLANS
ROBESON COUNTY
MAXTON GENERATORS
CRI-155-0014
WR PROJECT NO.06211005.00
----:
MUNI PRO NO:----
12/05/2022

our people • your success

EST. 1983

GENERAL NOTES:

1. THE WORK SPECIFIED ON THIS SHEET IS CONSIDERED INCIDENTAL AND NECESSARY FOR THE COMPLETION OF THE WORK. THERE WILL BE NO ADDITIONAL OR SEPARATE PAYMENT MADE FOR THE WORK SPECIFIED ON THIS SHEET UNLESS SPECIFICALLY CALLED OUT IN THE BID SCHEDULE AND MEASUREMENT AND PAYMENT SECTION OF THE SPECIFICATIONS.
2. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL PERMIT APPROVALS AND EASEMENTS ON THE JOB SITE AT ALL TIMES.
3. CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL CONFORM TO THE STATE OF NORTH CAROLINA, TOWN OF MAXTON STANDARD SPECIFICATIONS AND CONSTRUCTION DETAILS, AND THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL FOLLOW OSHA GUIDELINES REGARDING TRENCHING AND EXCAVATION SAFETY AND SHALL INCORPORATE APPROPRIATE SAFETY MEASURES AS NECESSARY TO MEET COMPLIANCE.
5. ALL SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY ENGINEER BEFORE EQUIPMENT IS ORDERED.
6. CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES. KNOWN EXISTING UTILITIES HAVE BEEN LOCATED FROM THE INFORMATION AVAILABLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE BOTH HORIZONTALLY AND VERTICALLY ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE NC ONE CALL CENTER AT 800.632.4949. ALL COSTS ASSOCIATED WITH ANY DAMAGE TO KNOWN OR UNKNOWN EXISTING UTILITIES RESULTING FROM THE CONTRACTOR 'S FAILURE TO ADEQUATELY PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR.
7. CONTRACTOR SHALL MAKE EVERY EFFORT TO SAVE PROPERTY IRONS, MONUMENTS, OTHER PERMANENT POINTS AND LINES OF REFERENCE AND CONSTRUCTION STAKES. A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE SHALL REPLACE PROPERTY IRONS, MONUMENTS, AND OTHER PERMANENT POINTS OF REFERENCE DESTROYED BY THE CONTRACTOR.
8. CONTRACTOR SHALL CLEAR AND GRUB ALL UTILITY EASEMENTS, AS DIRECTED BY THE OWNER, TO INSTALL NEW UTILITIES. ON ROADWAY RIGHT-OF-WAYS, THE CONTRACTOR SHALL ONLY REMOVE THE TREES MARKED ON THE PLANS AND SHALL MAKE EVERY EFFORT DURING CONSTRUCTION TO PROTECT THE TREES THAT WILL NOT BE REMOVED.
9. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHETHER OR NOT SHOWN ON THE PLANS TO PROTECT ADJACENT CREEKS, RIVERS, ROADWAYS, ETC. FROM SILTATION AND EROSION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OF EXISTING UTILITIES IF REQUIRED DURING INSTALLATION OF NEW WORK. THERE WILL BE NO ADDITIONAL OR SEPARATE PAY ITEM FOR THIS WORK UNLESS SPECIFICALLY CALLED OUT IN THE BID FORM. ANY RELOCATION OF EXISTING UTILITIES MUST BE COORDINATED WITH THE AFFECTED UTILITY COMPANY.
11. THE CONTRACTOR SHALL SUPPORT ALL UTILITY POLES AS NECESSARY. THE CONTRACTOR SHALL COORDINATE UTILITY POLE SUPPORT WITH THE APPROPRIATE UTILITY COMPANIES.
12. CONTRACTOR SHALL RESTORE/REPLACE ALL SIGNS, MAILBOXES, ETC. ENCOUNTERED DURING CONSTRUCTION TO ORIGINAL CONDITION.
13. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THE EXISTING GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
14. ALL DRIVEWAYS SHALL BE REPAIRED AS SOON AS CONSTRUCTION HAS PASSED. A MINIMUM OF 6" OF CABC SHALL BE USED FOR TEMPORARY REPAIR ON ASPHALT AND CONCRETE DRIVEWAYS UNTIL PERMANENT REPAIR CAN BE COMPLETED AND A MINIMUM OF 6" OF CABC SHALL BE USED AS PERMANENT REPAIR ON GRAVEL DRIVEWAYS.
15. CONTRACTOR SHALL REPLACE WITH NEW ALL DRIVEWAY PIPES AND OTHER DRAINAGE PIPES/CULVERTS THAT ARE DISTURBED WHILE INSTALLING THE UTILITIES. ALL PIPE/CULVERTS SHALL MEET THE REQUIREMENTS OF NCDOT.
16. ALL ROADWAY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AND CONFORM TO NCDOT REQUIREMENTS. ALL DITCHES SHALL BE LINED WITH EROSION CONTROL MATTING UNLESS OTHERWISE NOTED.
17. ALL EXCAVATED MATERIAL SHALL BE PLACED WITHIN THE LIMITS OF DISTURBANCE DURING UTILITY INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SEDIMENT AND EROSION CONTROL MEASURES TO CONTROL RUN-OFF. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF LEGALLY.
18. HORIZONTAL DATUM IS NAD 83.
19. VERTICAL DATUM IS NAVD 88.
20. THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR CONSTRUCTION.

LEGEND
(UNLESS OTHERWISE DENOTED)

DESCRIPTION	EXISTING	PROPOSED
1' CONTOUR INTERVAL		
5' CONTOUR INTERVAL		
PROPERTY LINE		
ROADWAY CENTERLINE		
RIGHT OF WAY LIMITS		N/A
EASEMENT LINE		
CURB & GUTTER		
EDGE OF PAVEMENT		
SANITARY SEWER FACILITIES	SS	SS
STORM SEWER FACILITIES		
WATERLINE	W W	W W
FIRE HYDRANT ASSEMBLY		
FORCE MAIN	FM	FM
ELECTRIC	E	E
OVERHEAD ELECTRIC	OHE	OHE
GAS MAIN	G	G
TELEPHONE	T	T
STRUCTURES		
FENCING STRUCTURE	XX XX XX XX	XX XX XX XX
TELEVISION PEDESTAL		N/A
WATER MANHOLE		N/A
TELEPHONE MANHOLE		N/A
FLARED END SECTION		N/A
SANITARY SEWER MANHOLE		N/A
GAS VALVE		N/A
UTILITY MANHOLE		N/A
ELECTRICAL PEDESTAL		N/A
SIGN		N/A
FIBER OPTIC MARKER		N/A

DESCRIPTION	EXISTING	PROPOSED
WOODS LINE		N/A
WATERWAYS		N/A
TREE PROTECTION FENCE	N/A	TP
SILT FENCE	N/A	SF
SPOT ELEVATION	(340.17) CL	339.92 EP
GUY ANCHOR		N/A
POWER POLE		N/A
LIGHT POLE		N/A
PROPERTY IRON		N/A
CURB INLET		N/A
STORM DRAIN JUNCTION BOX		N/A
YARD INLET		N/A
WATER METER		N/A
CONCRETE MONUMENT		N/A
TELEPHONE PEDESTAL		N/A
MAIL BOX		N/A
WATER VALVE		

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LUMBERTON, NC 29358

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ROBESON COUNTY
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CRI-155-0014
MAXTON, NC 28364 | ROBESON

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036163 LEONARD McBRYDE III

N W E S

INITIAL PLAN DATE: 10/24/2022
REVISIONS:
-
-
-

WR Job No. 06211005.00 DATE 01/25/2023
DRN: DAC DGN: DAC CKD: LM

GENERAL NOTES

G-1.00

EST. 1983

\\wrinternal01.com\wrcorp-nasuni\WRShare\greensboro\21\21-1000\211005-robeson co. maxton generator project\CAD\drawing sets\construction\COVER.dwg- Wednesday, January 25, 2023 1:09:43 PM - ACHEEK

ELECTRICAL NOTES

1. ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
2. PERMITS FOR ELECTRICAL WORK SHALL BE OBTAINED BY AND PAID BY THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL PAY FOR ANY ADDITIONAL FEES FOR INSPECTIONS, TESTS, AND OTHER SERVICES AS REQUIRED FOR THE COMPLETION OF THE WORK.
3. THE ELECTRICAL CONTRACTOR AND ANY OF HIS SUBCONTRACTORS SHALL VISIT THE PROJECT SITES TO WITNESS EXISTING CONDITIONS AND BECOME FAMILIAR WITH THE SCOPE OF THE WORK REQUIRED PRIOR TO SUBMITTING PROPOSALS. WORK REQUIRED BY EXISTING JOB CONDITIONS NOT INDICATED ON DRAWINGS SHALL BE INCLUDED IN THE PROPOSALS.
4. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO RESULT IN THE PRODUCTION OF A COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, EQUIPMENT, AND OTHER SERVICES AS NECESSARY TO COMPLETE THE WORK.
5. DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS THAT WILL AFFECT THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, AND OWNER PRIOR TO SUBMITTING PROPOSALS.
6. UNLESS NOTED OTHERWISE, ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND INCLUDE A 3RD PARTY LABEL (I.E.: UL, CSA, ETL, ETC.) LISTING APPROVAL FOR ITS INSTALLED APPLICATION.
7. REVIEW COMPLETE PLAN SET FOR CONSTRUCTION TYPE, SCOPES, ETC. REVIEW COMPLETE PLAN SET FOR PROJECT PHASING AND STAGING. REVIEW COMPLETE PLAN SET FOR WORK COVERED BY ALTERNATE BID ITEMS.
8. VERIFY PROPER SIZING OF OVERLOAD DEVICES IN STARTERS BASED ON EQUIPMENT NAMEPLATE DATA.
9. IF HORSEPOWER OR LOAD RATINGS OF EQUIPMENT DIFFER FROM THOSE INDICATED ON THE DRAWINGS, NOTIFY THE ARCHITECT, ENGINEER, AND OWNER FOR DIRECTION.
10. PROVIDE NATIONAL ELECTRICAL CODE REQUIRED CLEARANCES FOR ALL ELECTRICAL EQUIPMENT. COORDINATE RESOLUTION OF CONFLICTS WITH OTHER TRADES.
11. ABANDONED CIRCUITRY (RACEWAY & CONDUCTORS) SHALL BE REMOVED IN ITS ENTIRETY FROM ITS SOURCE.
12. PANEL BUS MATERIAL: COPPER.
13. SHARED NEUTRAL CONDUCTORS SHALL NOT BE USED UNLESS SPECIFICALLY INDICATED SO ON HOMERUN CIRCUITRY DESIGNATIONS.
14. PANEL BREAKER CONFIGURATIONS SHALL BE INSTALLED AS INDICATED ON THE PANEL SCHEDULES OR AS NOTED. BREAKER POSITION REVISIONS WILL NOT BE ACCEPTED UNLESS APPROVED IN WRITING BY THE ENGINEER.
15. LOAD CIRCUITS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS. CIRCUITRY REVISIONS WILL NOT BE ACCEPTED UNLESS APPROVED IN WRITING BY THE ENGINEER.

ABBREVIATIONS

AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CAPABILITY
ATS	AUTOMATIC TRANSFER SWITCH
BKR	BREAKER
C	CONDUIT
C/B	CIRCUIT BREAKER
CKT	CIRCUIT
DIA	DIAMETER
DISC	DISCONNECT
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ENCL	ENCLOSED
EXSTG	EXISTING
G	EQUIPMENT GROUND
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSEPOWER
K	KILO (THOUSAND)
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MLO	MAIN LUG ONLY
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NTS	NOT TO SCALE
P	PHASE OR POLE
PCP	PUMP CONTROL PANEL
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
REC	RECEPTACLE
RECPT	RECEPTACLE
REQ.	REQUIRED
S.S.	STAINLESS STEEL
SYS	SYSTEM
S/N	SOLID NEUTRAL
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPS
W	WATTS
W	WIRE
W/	WITH
WP	WEATHERPROOF
XFMR	TRANSFORMER

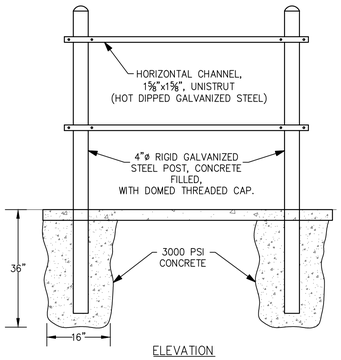
MISC. ELECTRICAL SYMBOL LEGEND

- EQUIPMENT CONNECTION
- PANELBOARD, SEE PANEL SCHEDULE
- GROUND ROD, 3/4" X 10' COPPER CLAD. WHERE TWO RODS ARE INDICATED, SPACE A MINIMUM OF 22' APART.
- WORKING CLEARANCE DEPICTED IN FRONT OF ELECTRICAL EQUIPMENT

HOMERUN DESIGNATION, #12 CONDUCTORS UNLESS NOTED OTHERWISE.
- EQUIPMENT GROUND CONDUCTOR
- PHASE CONDUCTOR
- NEUTRAL CONDUCTOR

A / E-505
- LETTER INDICATES ELEVATION OR DETAIL; NUMBER INDICATES PLAN OR SECTION
- SHEET NUMBER WHERE PLAN, SECTION, ELEVATION OR DETAIL IS DRAWN

LINEWEIGHT
- LIGHT LINEWEIGHT DEPICTS EXISTING EQUIPMENT & CIRCUITRY
- DARK LINEWEIGHT DEPICTS NEW EQUIPMENT & CIRCUITRY



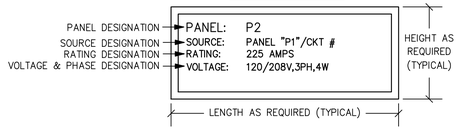
ELEVATION

PLAN

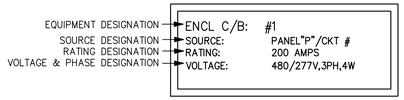
NOTES
1. USE ⅜" HOT DIPPED GALVANIZED STEEL HARDWARE FOR CONNECTING CHANNELS & MOUNTING EQUIPMENT.
2. PROVIDE ADDITIONAL VERTICAL POSTS, CENTERED, IF RACK EXCEEDS 60" WIDE.
3. PROVIDE ADDITIONAL CHANNEL(S) WHERE REQUIRED TO ALIGN WITH EQUIPMENT MOUNTING HOLES.
4. SEE DETAILS D/E-1.00 & G/E-1.00 FOR RACK MOUNTED SUN SHIELD / RAIN HOOD.

B E-1.00 EQUIPMENT RACK DETAIL
NO SCALE

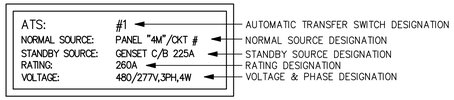
PANELBOARD



DISCONNECT SWITCH

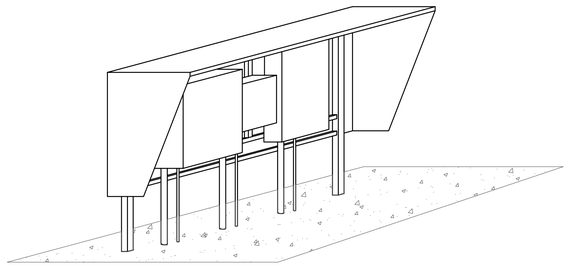


AUTOMATIC TRANSFER SWITCH

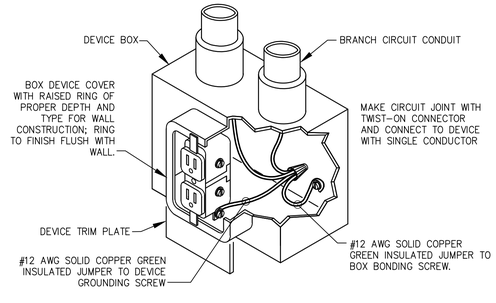


NOTES:
1. ENGRAVED PLASTIC FOR NAMEPLATE.
2. HIGH PERFORMANCE, DOUBLE COATED TAPE WITH ADHESIVE TO ATTACH LABELS. DESIGN BASIS:3M #06383 OR APPROVED EQUIVALENT.
3. 3/8" ENGRAVED LETTERS EQUIPMENT NAME DESIGNATION AND 1/4" ENGRAVED LETTERS ON ALL OTHER DESIGNATIONS.

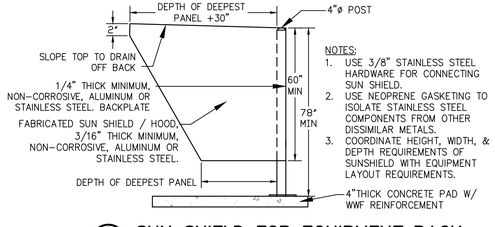
C E-1.00 TYPICAL NAMEPLATE DETAILS
NO SCALE



D E-1.00 SUN/RAIN HOOD TYPICAL (ISOMETRIC)
NO SCALE



F E-1.00 OUTLET GROUNDING DETAIL
NO SCALE



NOTES:
1. USE 3/8" STAINLESS STEEL HARDWARE FOR CONNECTING SUN SHIELD.
2. USE NEOPRENE GASKETING TO ISOLATE STAINLESS STEEL COMPONENTS FROM OTHER DISSIMILAR METALS.
3. COORDINATE HEIGHT, WIDTH, & DEPTH REQUIREMENTS OF SUNSHIELD WITH EQUIPMENT LAYOUT REQUIREMENTS.

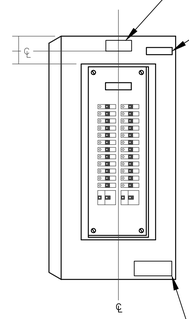
G E-1.00 SUN SHIELD FOR EQUIPMENT RACK
NO SCALE

PANEL IDENTIFICATION LABEL

C / E-1.00

COLOR CODE LABEL

COLOR CODE:	
PHASE "A"	BLACK
PHASE "B"	RED
PHASE "C"	BLUE
NEUTRAL	WHITE
EQUIPMENT GROUND	GREEN

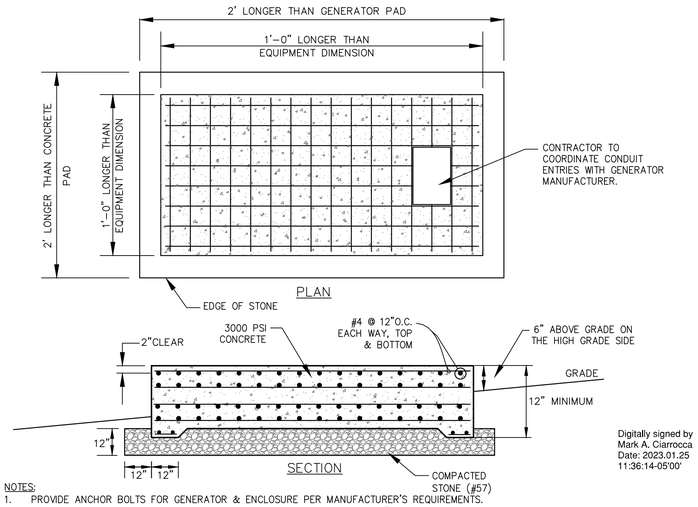


NOTES:
1. ENGRAVED LABELS SHALL FEATURE BLACK LETTERS ON WHITE BACKGROUND, UNLESS SPECIFIED OTHERWISE.
2. FOR APPLICATIONS OTHER THAN NEMA 1 ENCLOSURES, PROVIDE DUPLICATE ID LABELS INSIDE ENCLOSURES.
3. PANEL DESIGNATION: ½" HIGH TEXT, MINIMUM.
4. VOLTAGE CONFIGURATION & SOURCE: ⅜" HIGH TEXT, MINIMUM.
5. COLOR CODE LABEL: PRINTED LABEL IS ACCEPTABLE. SEE SPECIFICATIONS FOR COLOR CODE REQUIREMENTS.
6. OBTAIN FAULT CURRENT VALUES FOR ALL EQUIPMENT FROM FAULT CURRENT TABLE.

WARNING

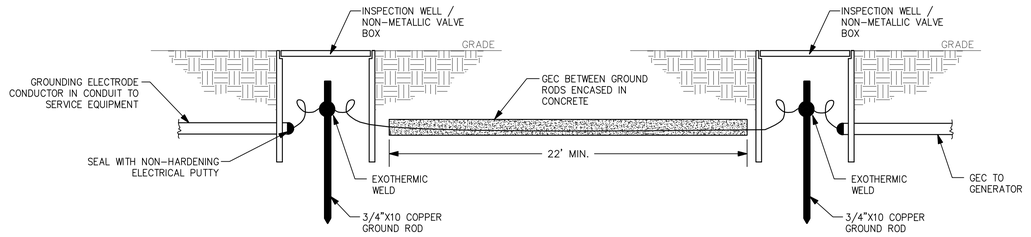
Arc Flash and Shock Hazard.
Appropriate PPE Required.
Failure to Comply Can Result in Death or Injury.
Refer to NFPA 70 E.

A E-1.00 TYPICAL PANELBOARD IDENTIFICATION
NO SCALE



NOTES:
1. PROVIDE ANCHOR BOLTS FOR GENERATOR & ENCLOSURE PER MANUFACTURER'S REQUIREMENTS.
2. BASE PAD SIZE ON ACTUAL EQUIPMENT SUPPLIED. PAD SHOULD EXTEND 6" PAST EQUIPMENT EXTERIOR IN EACH DIRECTION.

E E-1.00 GENERATOR PAD DETAIL
NO SCALE



H E-1.00 GROUND ROD & INSPECTION WELL
NO SCALE

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LUMBERTON, NC 28358

CONSTRUCTION PLANS
ROBESON COUNTY
MAXTON GENERATORS
CRI-155-0014
MAXTON, NC 28364 | ROBESON

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17593 MARK A. CIARROCCA

Digitally signed by Mark A. Ciarrocca
Date: 2023.01.25 11:36:14-05'00'

INITIAL PLAN DATE: 10/24/2022
REVISIONS:

WR Job No.	DATE
06211005.00	01/20/2022

DRN: JEG DGN: JEG CKD: MAC

ELECTRICAL NOTES, DETAILS

E-1.00

EST. 1983

X:\2019\Maxton PS Generators\DWG\211005-1.00 ELEC COVER.dwg

PANEL–5

ROOM:
MOUNTING: SURFACE
FED FROM: ATS–5
NOTE: NEMA 3R

VOLTS: 240/120V 3P 4W
BUS AMPS: 100
NEUTRAL: 100%

AIC: 10,000
MAIN BKR: MLO
LUGS: STANDARD

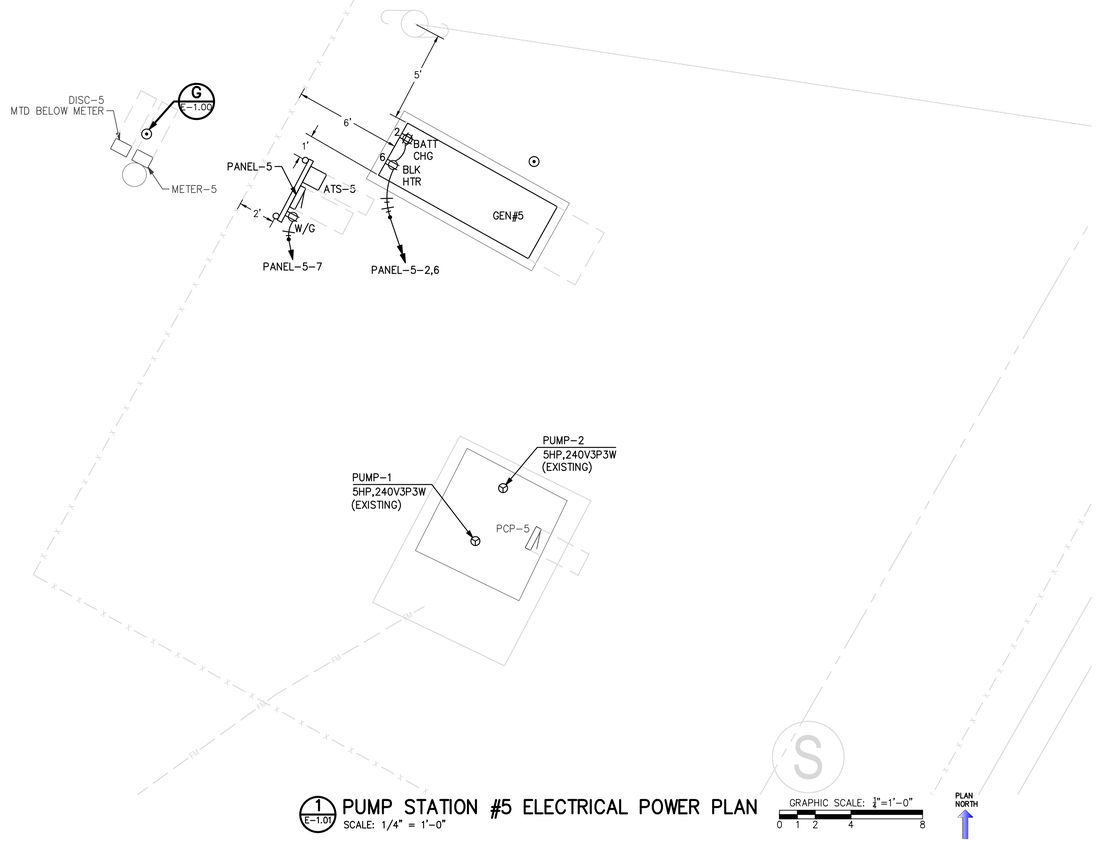
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C
1	100/3	PANEL PCP–5	4.21			2	20/1	REC–BATTERY CHARGER	1		
3	|			4.21		4	–/1	SPACE		0	
5	|				4.21	6	20/1	REC–BLOCK HEATER			1.5
7	20/1	SPACE REC–EXT GFCI	0.18			8	20/1	SPARE	0		
9	–/1	SPACE		0		10	–/1	SPACE		0	
11	20/1	SPARE			0	12	20/1	SPARE			0
13	–/3	SPACE	0			14	–/3	SPACE	0		
15	|			0		16	|			0	
17	|				0	18	|				0
								TOTAL CONNECTED KVA BY PHASE	5.39	4.21	5.71
								TOTAL CONNECTED AMPS BY PHASE	40.2	30.4	42.9

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LARGEST MOTOR	6.32	1.58	(25%)	RECEPTACLES	0.18	0.18	(50%>10)
MOTORS	12.6	12.6	(100%)	NONCONTINUOUS	2.5	2.5	(100%)
				TOTAL LOAD		16.9	
				BALANCED 3–PHASE LOAD		40.6 A	

FEEDER SCHEDULE

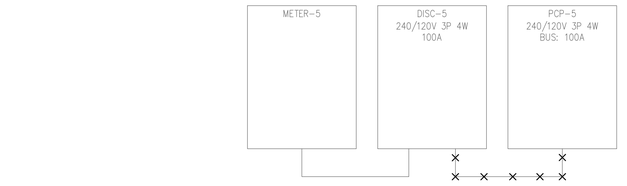
ID	FEEDER AMPS	CONDUIT AND FEEDER	FEEDING THESE DEVICES
60	60	1"C,3#6,#6N,#8G	PCP–5
100.A	100	1–1/4"C,3#2,#2N,#8G	ATS–5, ATS–5, PANEL–5, PCP–7
125	125	1–1/2"C,3#1/0,#1/0N,#6G	PCP–11
125J	125	1–1/2"C,3#1/0,#1/0N,#6G	PCP–10
150	150	1–1/2"C,3#1/0,#1/0N,#6G	ATS–7, ATS–7, ATS–11, ATS–11, DISC–7, DISC–11, PANEL–7, PANEL–11
225	225	2–1/2"C,3#4/0,#4/0N,#4G	ATS–10, ATS–10, DISC–10, PANEL–10

SIZING METHOD: COPPER, 60°C #12 THROUGH #1, 75°C #1/0 AND ABOVE



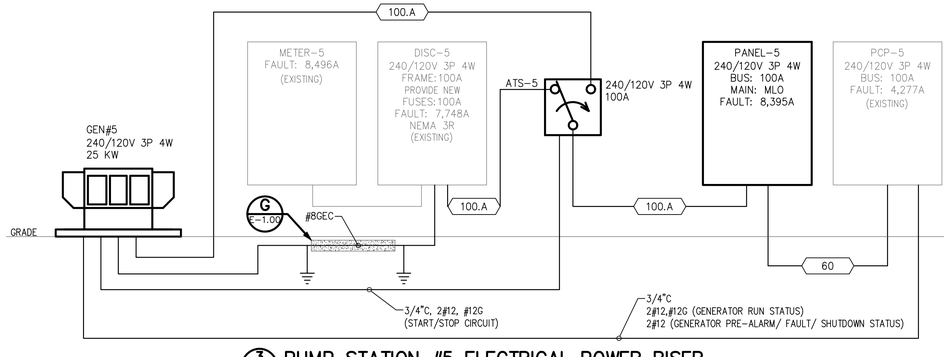
1 E–1.01 PUMP STATION #5 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'–0"

GRAPHIC SCALE: 1"=1'–0"
0 1 2 4 8



X'S ARE USED TO NOTE ITEMS TO BE REMOVED. CONTRACTOR IS TO FIELD INVESTIGATE EXISTING CONDITIONS FOR FULL SCOPE OF DEMOLITION ACTIVITIES

2 E–1.01 PUMP STATION #5 ELECTRICAL DEMOLITION POWER RISER
NO SCALE



3 E–1.01 PUMP STATION #5 ELECTRICAL POWER RISER
NO SCALE

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550 NORTH CHESTNUT STREET
LUMBERTON NC 29358

CONSTRUCTION PLANS
ROBESON COUNTY
MAXTON GENERATORS
CRI–155–0014
MAXTON, NC 28364 | ROBESON

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17593 MARK A. CIARROCCA
Digitally signed by Mark A. Ciarrocca
Date: 2023.01.25 11:36:19-05'00'

SCALE: 1" 4 ft.

INITIAL PLAN DATE: 10/24/2022
REVISIONS:

WR Job No. 06211005.00 | DATE 01/20/2022
DRN: JEG DGN: JEG CKD: MAC

ELECTRICAL
LS5

E–1.01

EST. 1983

F:\22039 Maxton PS Generators\DWG\22039 E–1.01 ELEC PWR.dwg

PANEL–7

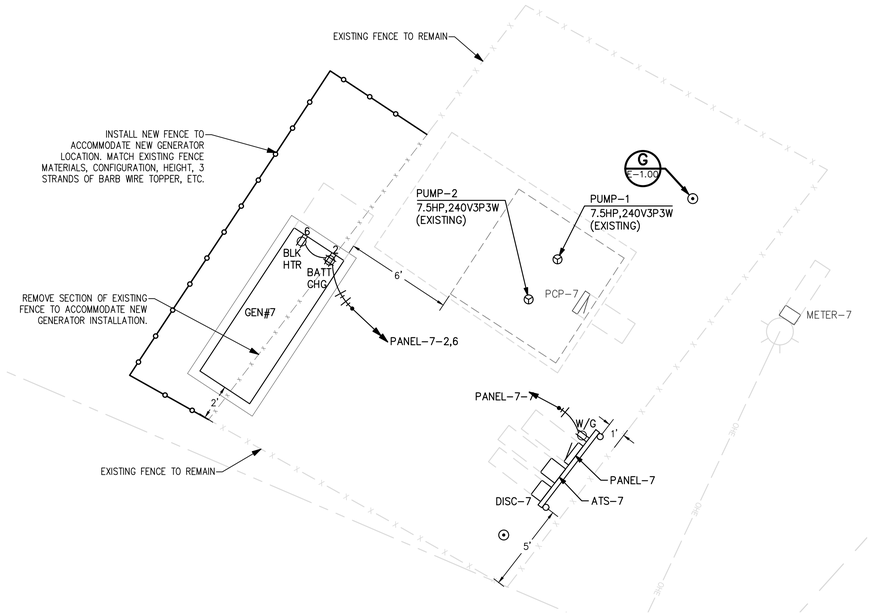
ROOM:
MOUNTING: SURFACE
FED FROM: ATS–7
NOTE: NEMA 3R

VOLTS: 240/120V 3P 4W
BUS AMPS: 150
NEUTRAL: 100%

AIC: 10,000
MAIN BKR: MLO
LUGS: STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C
1	100/3	PANEL PCP–7	6.1			2	20/1	REC–BATTERY CHARGER	1		
3	|			6.1		4	–/1	SPACE		0	
5	|				6.1	6	20/1	REC–BLOCK HEATER			1.5
7	20/1	REC–EXT GFCI	0.18			8	20/1	SPARE	0		
9	–/1	SPACE		0		10	–/1	SPACE		0	
11	20/1	SPARE			0	12	20/1	SPARE			0
13	–/3	SPACE	0			14	–/3	SPACE	0		
15	|			0		16	|			0	
17	|				0	18	|				0
19	–/3	SPACE	0			20	–/3	SPACE	0		
21	|			0		22	|			0	
23	|				0	24	|				0
25	–/3	SPACE	0			26	–/3	SPACE	0		
27	|			0		28	|			0	
29	|				0	30	|				0
								TOTAL CONNECTED KVA BY PHASE	7.28	6.1	7.6
								TOTAL CONNECTED AMPS BY PHASE	53.8	44	56.5

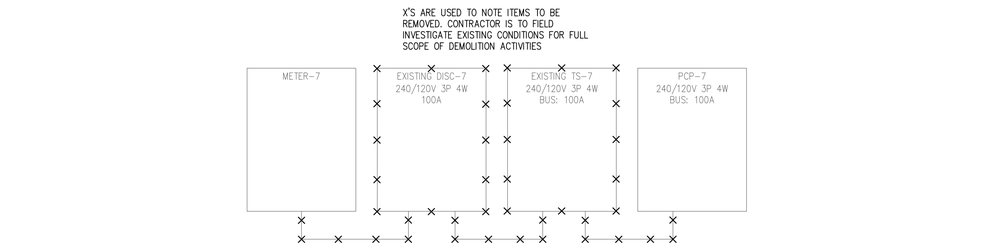
	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LARGEST MOTOR	9.15	2.29	(25%)	RECEPTACLES	0.18	0.18	(50%>10)
MOTORS	18.3	18.3	(100%)	NONCONTINUOUS	2.5	2.5	(100%)
				TOTAL LOAD		23.3	
				BALANCED 3–PHASE LOAD		55.9 A	



1 E–1.02 PUMP STATION #7 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'–0"

GRAPHIC SCALE: 1"=1'–0" (0 1 2 4 8)

PLAN NORTH

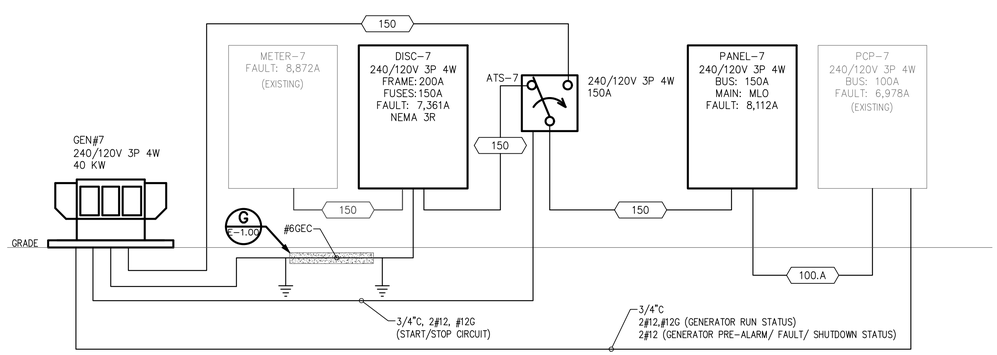


2 E–1.02 PUMP STATION #7 ELECTRICAL DEMOLITION POWER RISER
NO SCALE

FEEDER SCHEDULE

ID	FEEDER AMPS	CONDUIT AND FEEDER	FEEDING THESE DEVICES
60	60	1"C,3#6,#6N,#8G	PCP–5
100.A	100	1–1/4"C,3#2,#2N,#8G	ATS–5, ATS–5, PANEL–5, PCP–7
125	125	1–1/2"C,3#1/0,#1/0N,#6G	PCP–11
125J	125	1–1/2"C,3#1/0,#1/0N,#6G	PCP–10
150	150	1–1/2"C,3#1/0,#1/0N,#6G	ATS–7, ATS–7, ATS–11, ATS–11, DISC–7, DISC–11, PANEL–7, PANEL–11
225	225	2–1/2"C,3#4/0,#4/0N,#4G	ATS–10, ATS–10, DISC–10, PANEL–10

SIZING METHOD: COPPER, 60°C #12 THROUGH #1, 75°C #1/0 AND ABOVE



3 E–1.02 PUMP STATION #7 ELECTRICAL POWER RISER
NO SCALE

CHEATHAM & ASSOCIATES, P.A.
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3412 ENTERPRISE DRIVE
WILMINGTON, NORTH CAROLINA
(910) 452–4210
OFFICE@CHEATHAMPA.COM
WWW.CHEATHAMPA.COM NC LICENSE# C–1073

JOB # 22039

Digitally signed by Mark A. Ciarrocca
Date: 2023.01.25 11:36:24-05'00'

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 17593 ENGINEER MARK A. CIARROCCA

SCALE: 1" = 4 FT.

INITIAL PLAN DATE: 10/24/2022
REVISIONS:

WR Job No. 06211005.00 | DATE 01/20/2022
DRN: JEG DGN: JEG CKD: MAC

ELECTRICAL
LS7

E–1.02

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License #: F–1479|t: 919.469.3340|www.withersravenel.com

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CONSTRUCTION PLANS
ROBESON COUNTY
MAXTON GENERATORS
CRI–155–0014
MAXTON, NC 28364 | ROBESON

ROBESON COUNTY
550 NORTH CHESTNUT STREET
LUMBERTON NC 28358

EST 1983

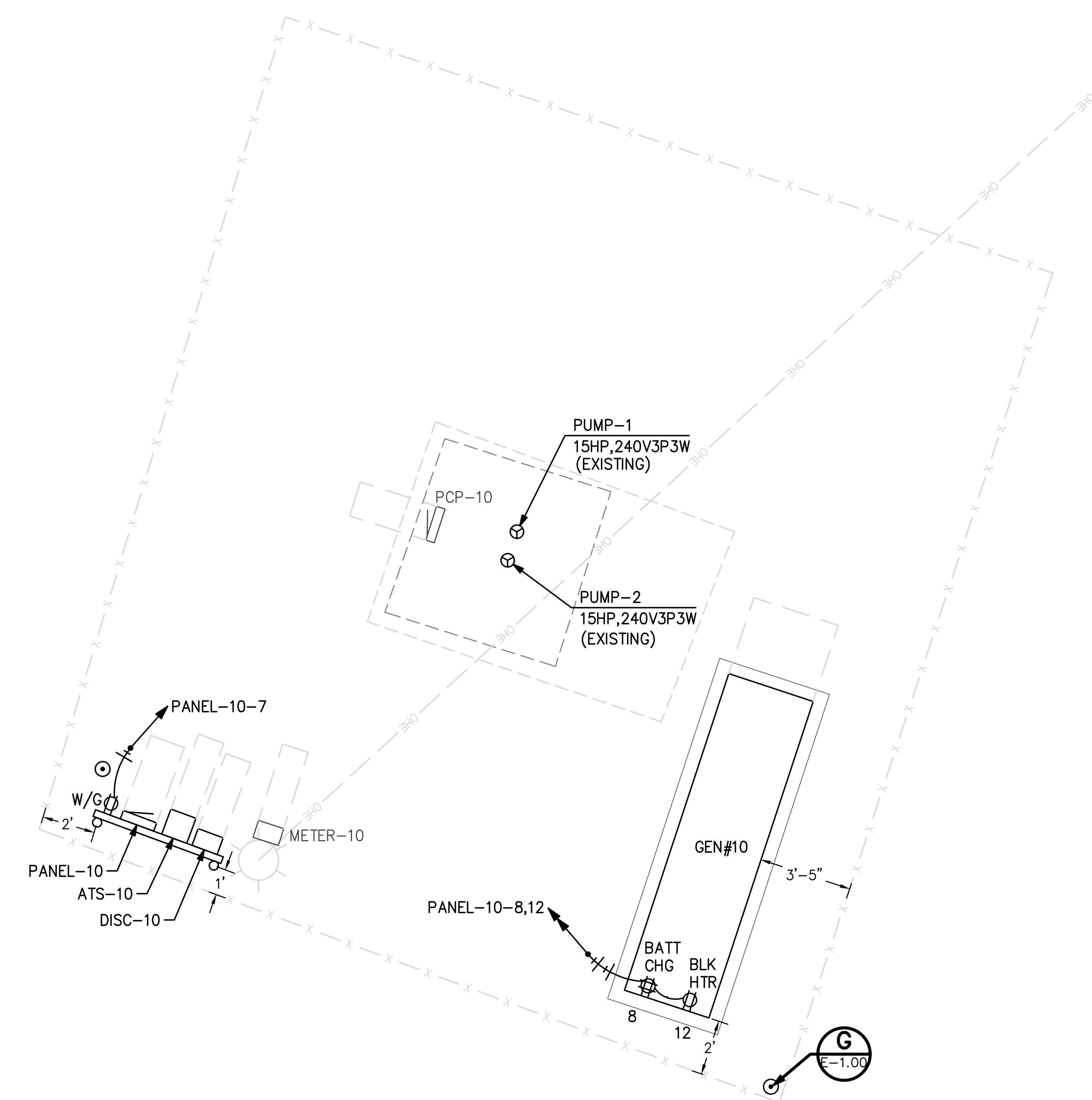
F:\2020\Maxton FS Generators\DWG\20996 E–1.01–1.04 ELEC PWR.dwg

PANEL-10

ROOM:	VOLTS: 240/120V 3P 4W	AIC: 10,000
MOUNTING: SURFACE	BUS AMPS: 225	MAIN BKR: 225
FED FROM: ATS-10	NEUTRAL: 100%	LUGS: STANDARD
NOTE: NEMA 3R		

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C
1	20/3	PUMP-1	5.82			2	100/3	PUMP-2	5.82		
3	|			5.82		4	|			5.82	
5	|				5.82	6	|				5.82
7	20/1	REC-EXT GFCI	0.18			8	20/1	REC-BATTERY CHARGER	1		
9	-/1	SPACE		0		10	-/1	SPACE		0	
11	20/1	SPARE			0	12	20/1	REC-BLOCK HEATER			1.5
13	-/3	SPACE	0			14	-/3	SPACE	0		
15	|			0		16	|			0	
17	|				0	18	|				0
19	-/3	SPACE	0			20	-/3	SPACE	0		
21	|			0		22	|			0	
23	|				0	24	|				0
25	-/3	SPACE	0			26	-/3	SPACE	0		
27	|			0		28	|			0	
29	|				0	30	|				0
								TOTAL CONNECTED KVA BY PHASE	12.8	11.6	13.1
								TOTAL CONNECTED AMPS BY PHASE	93.8	84	96.5

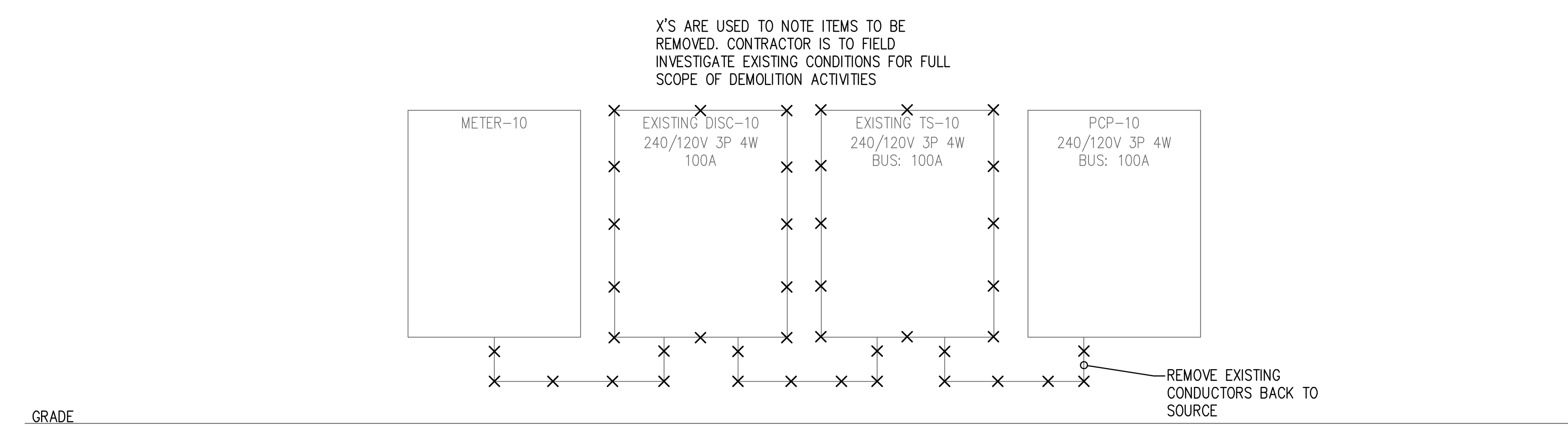
	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LARGEST MOTOR	17.5	4.36	(25%)	RECEPTACLES	0.18	0.18	(50%>10)
MOTORS	34.9	34.9	(100%)	NONCONTINUOUS	2.5	2.5	(100%)
				TOTAL LOAD		42	
				BALANCED 3-PHASE LOAD		101 A	



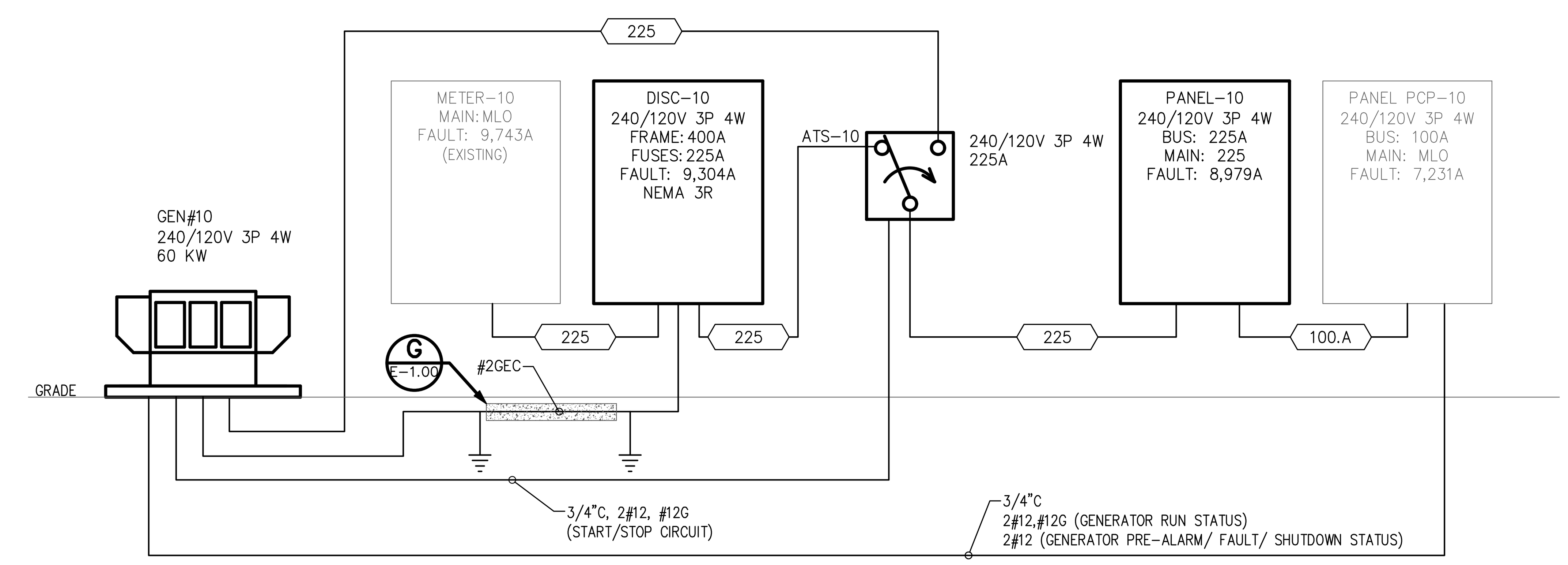
1 E-1.03 PUMP STATION #10 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

GRAPHIC SCALE: 1/4"=1'-0" 0 1 2 4 8

PLAN NORTH



2 E-1.03 PUMP STATION #10 ELECTRICAL DEMOLITION POWER RISER
NO SCALE



3 E-1.03 PUMP STATION #10 ELECTRICAL POWER RISER
NO SCALE

FEEDER SCHEDULE

ID	FEEDER AMPS	CONDUIT AND FEEDER	FEEDING THESE DEVICES
60	60	1"C,3#6,#6N,#8G	PCP-5
100.A	100	1-1/4"C,3#2,#2N,#8G	ATS-5, ATS-5, PANEL-5, PCP-7
125	125	1-1/2"C,3#1/0,#1/0N,#6G	PCP-11
125J	125	1-1/2"C,3#1/0,#1/0N,#6G	PCP-10
150	150	1-1/2"C,3#1/0,#1/0N,#6G	ATS-7, ATS-7, ATS-11, ATS-11, DISC-7, DISC-11, PANEL-7, PANEL-11
225	225	2-1/2"C,3#4/0,#4/0N,#4G	ATS-10, ATS-10, DISC-10, PANEL-10
SIZING METHOD: COPPER, 60°C #12 THROUGH #1, 75°C #1/0 AND ABOVE			

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LUMBERTON, NC 28358

CONSTRUCTION PLANS
ROBESON COUNTY
MAXTON GENERATORS
CRI-155-0014
MAXTON, NC 28364 | ROBESON

Digitally signed by Mark A. Ciarrocca
Date: 2023.01.25 11:36:29-05'00'

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17593 MARK A. CIARROCCA

SCALE: 1" 4 ft.

INITIAL PLAN DATE: 10/24/2022
REVISIONS:

WR Job No.	DATE
06211005.00	01/20/2022
DRN: JEG DGN: JEG	CKD: MAC

ELECTRICAL
LS10

E-1.03

PANEL–11

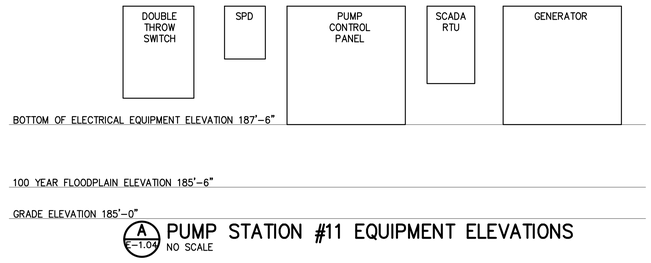
ROOM:
MOUNTING: SURFACE
FED FROM: ATS–11
NOTE: NEMA 3R

VOLTS: 240/120V 3P 4W
BUS AMPS: 150
NEUTRAL: 100%

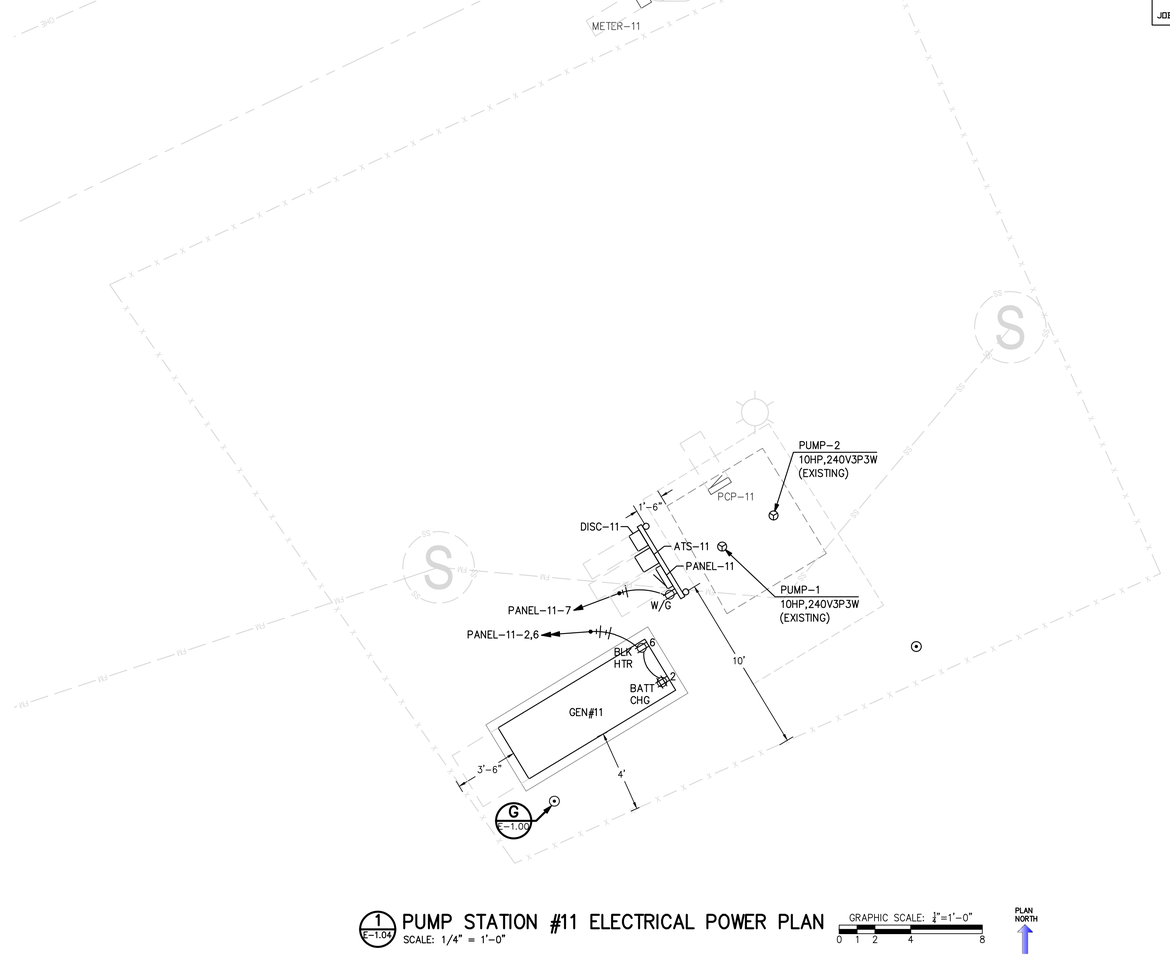
AIC: 10,000
MAIN BKR: MLO
LUGS: STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA A	LOAD KVA B	LOAD KVA C
1	125/3	PANEL PCP–11	7.76			2	20/1	REC–BATTERY CHARGER	1		
3	|			7.76		4	–/1	SPACE		0	
5	|				7.76	6	20/1	REC–BLOCK HEATER			1.5
7	20/1	REC–EXT GFCI	0.18			8	20/1	SPARE	0		
9	–/1	SPACE		0		10	–/1	SPACE		0	
11	20/1	SPARE			0	12	20/1	SPARE			0
13	–/3	SPACE	0			14	–/3	SPACE	0		
15	|			0		16	|			0	
17	|				0	18	|				0
19	–/3	SPACE	0			20	–/3	SPACE	0		
21	|			0		22	|			0	
23	|				0	24	|				0
25	–/3	SPACE	0			26	–/3	SPACE	0		
27	|			0		28	|			0	
29	|				0	30	|				0
								TOTAL CONNECTED KVA BY PHASE	8.94	7.76	9.26
								TOTAL CONNECTED AMPS BY PHASE	65.8	56	68.5

	CONN KVA	CALC KVA			CONN KVA	CALC KVA	
LARGEST MOTOR	11.6	2.91	(25%)	RECEPTACLES	0.18	0.18	(50%>10)
MOTORS	23.3	23.3	(100%)	NONCONTINUOUS	2.5	2.5	(100%)
				TOTAL LOAD		28.9	
				BALANCED 3–PHASE LOAD		69.4 A	



A E–1.04 PUMP STATION #11 EQUIPMENT ELEVATIONS
NO SCALE

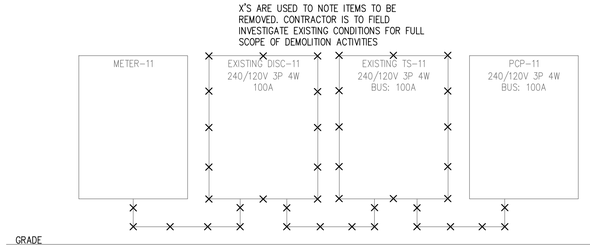


1 E–1.04 PUMP STATION #11 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'–0"

GRAPHIC SCALE: 1/4"=1'–0"
0 1 2 4 8

PLAN NORTH

X'S ARE USED TO NOTE ITEMS TO BE REMOVED. CONTRACTOR IS TO FIELD INVESTIGATE EXISTING CONDITIONS FOR FULL SCOPE OF DEMOLITION ACTIVITIES

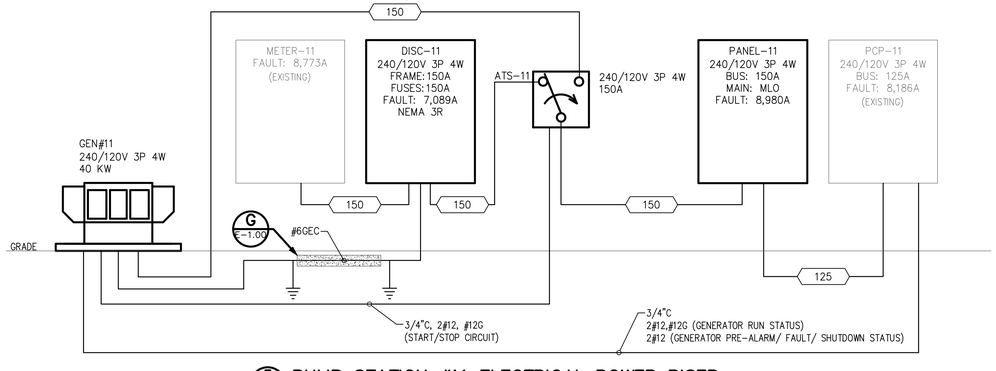


2 E–1.04 PUMP STATION #11 ELECTRICAL DEMOLITION POWER RISER
NO SCALE

FEEDER SCHEDULE

ID	FEEDER AMPS	CONDUIT AND FEEDER	FEEDING THESE DEVICES
60	60	1"C,3#6,#6N,#8G	PCP–5
100.A	100	1–1/4"C,3#2,#2N,#8G	ATS–5, ATS–5, PANEL–5, PCP–7
125	125	1–1/2"C,3#1/0,#1/0N,#6G	PCP–11
125J	125	1–1/2"C,3#1/0,#1/0N,#6G	PCP–10
150	150	1–1/2"C,3#1/0,#1/0N,#6G	ATS–7, ATS–7, ATS–11, ATS–11, DISC–7, DISC–11, PANEL–7, PANEL–11
225	225	2–1/2"C,3#4/0,#4/0N,#4G	ATS–10, ATS–10, DISC–10, PANEL–10

SIZING METHOD: COPPER, 60°C #12 THROUGH #1, 75°C #1/0 AND ABOVE



3 E–1.04 PUMP STATION #11 ELECTRICAL POWER RISER
NO SCALE

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LUMBERTON NC 28358

CONSTRUCTION PLANS
ROBESON COUNTY
MAXTON GENERATORS
CRI–155–0014
MAXTON, NC 28364 | ROBESON

Digitally signed by Mark A. Ciarrocca
Date: 2023.01.25 11:36:34-05'00'

NORTH CAROLINA PROFESSIONAL SEAL 17593 ENGINEER MARK A. CIARROCCA

SCALE: 1" 4 ft.

INITIAL PLAN DATE: 10/24/2022
REVISIONS:

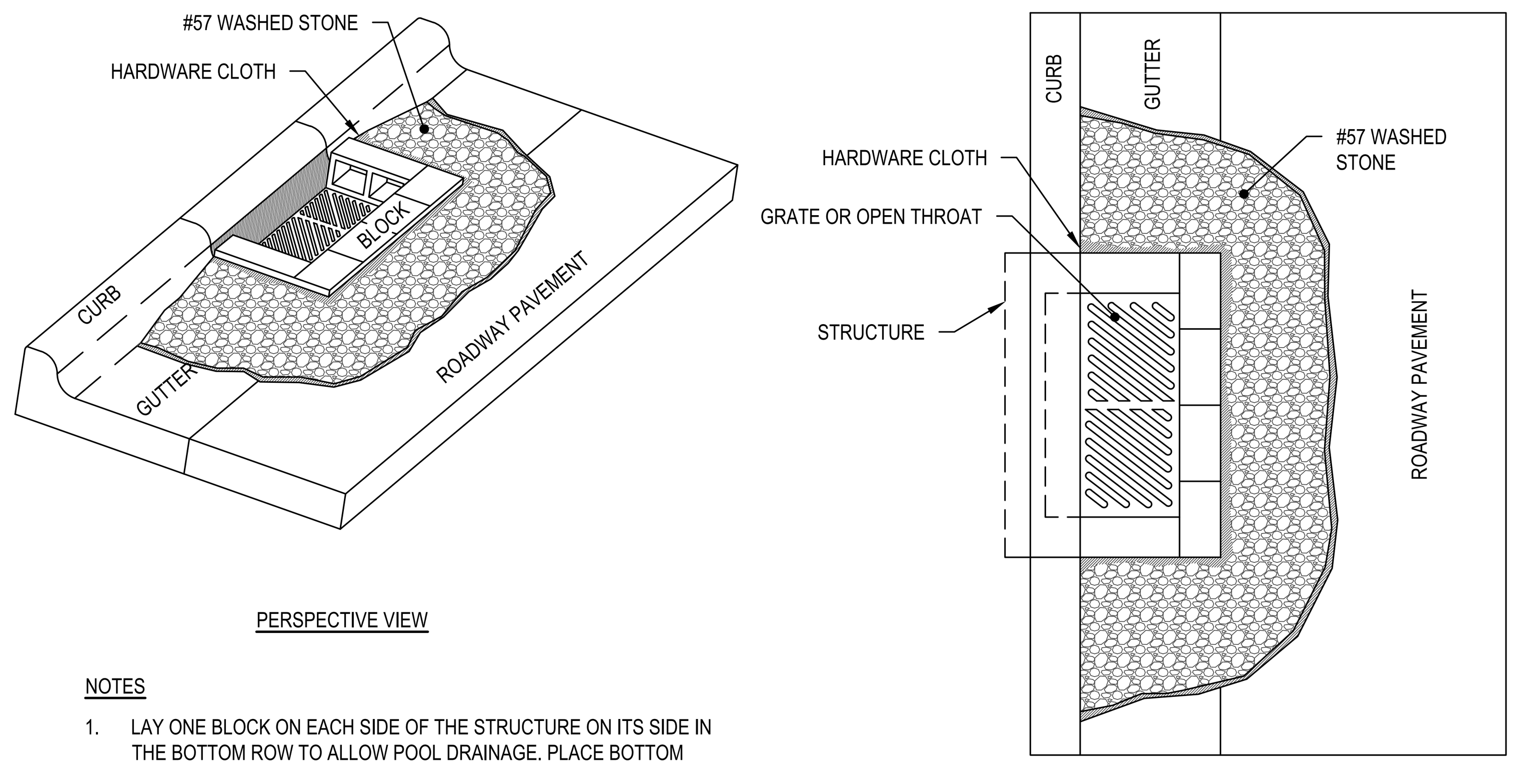
WR Job No. 06211005.00
DATE 01/20/2022
DRN: JEG DGN: JEG CKD: MAC

ELECTRICAL
LS11

E–1.04

F:\2021\Maxton PS Generators\DWG\2021\E-1.01.2.LEVEL PAVE.dwg

EST. 1983



NOTES

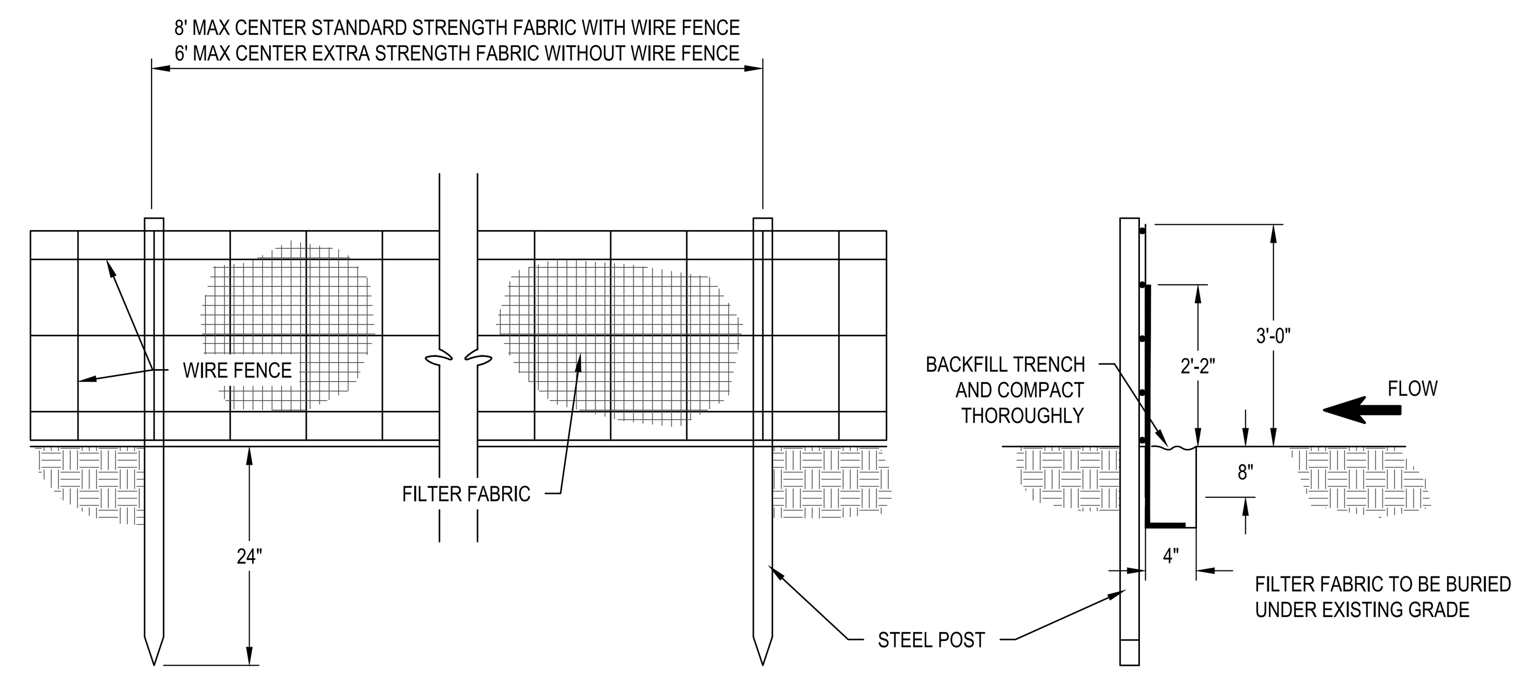
1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW POOL DRAINAGE. PLACE BOTTOM ROW OF BLOCKS AGAINST THE EDGE OF THE CURB FOR LATERAL SUPPORT AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS. IF NEEDED, GIVE LATERAL SUPPORT TO THE SUBSEQUENT ROWS OF BLOCKS BY PLACING 2x4 WOOD STUDS THROUGH BLOCK OPENINGS.
2. CAREFULLY FIT HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2" OPENINGS OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
3. USE #57 WASHED STONE PLACED 2" BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER AND SMOOTH IT INTO AND EVEN GRADE.

MAINTENANCE NOTE:

INSPECT THE BARRIER AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (½ INCH OR GREATER) RAINFALL AND MAKE REPAIRS AS NEEDED. REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SOIL, AND EITHER SALVAGE OR DISPOSE OF IT PROPERLY. BRING THE DISTURBED AREA TO PROPER GRADE, THEN SMOOTH AND COMPACT IT. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.

BLOCK AND GRAVEL INLET PROTECTION (TEMPORARY)

NOT TO SCALE

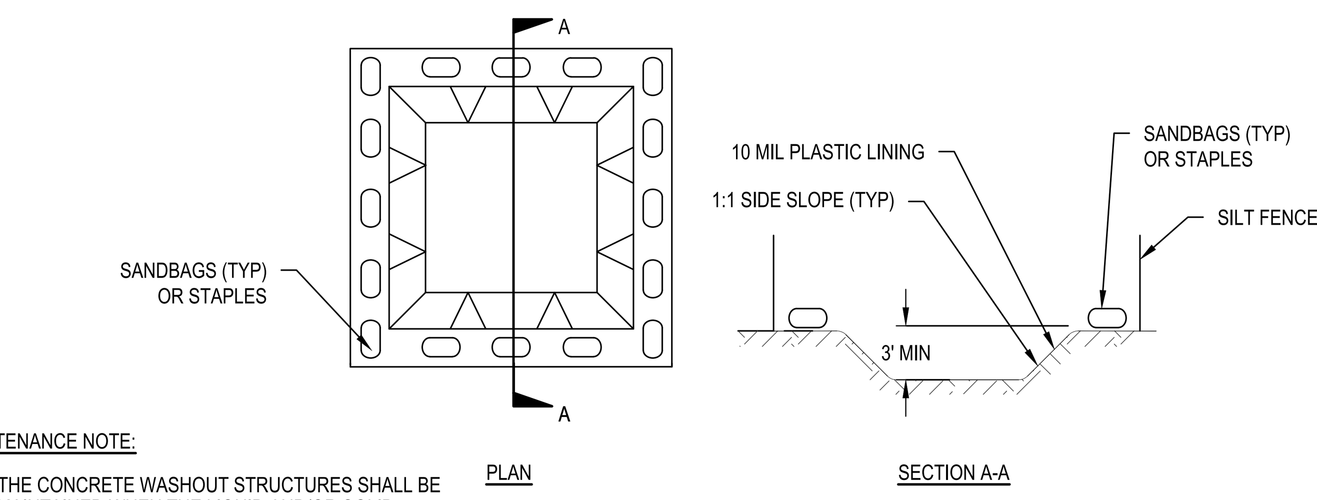


MAINTENANCE NOTES:

1. INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
2. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

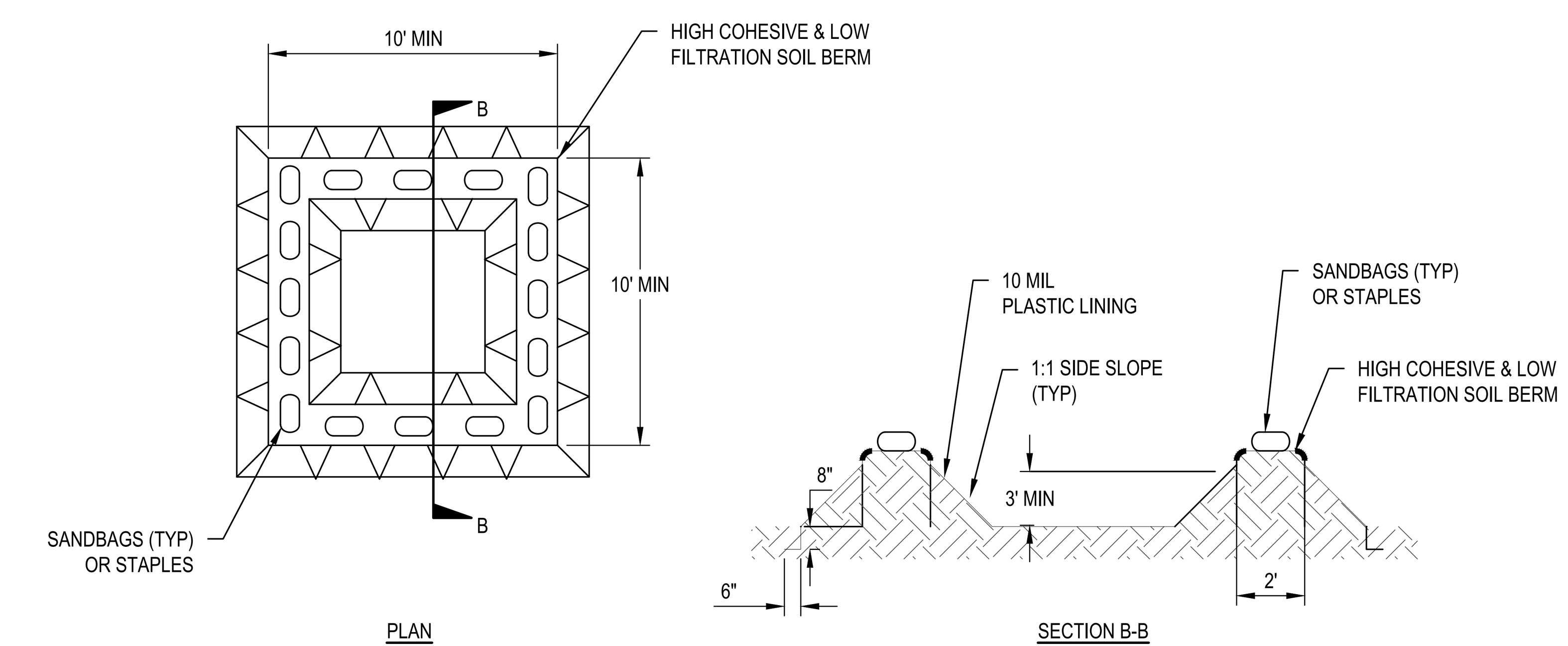
SILT FENCE

NOT TO SCALE



MAINTENANCE NOTE:

1. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.

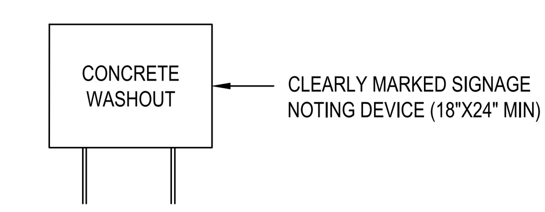


MAINTENANCE NOTE:

1. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.

NOTES:

1. ACTUAL LOCATION DETERMINED IN FIELD
2. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE.



ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

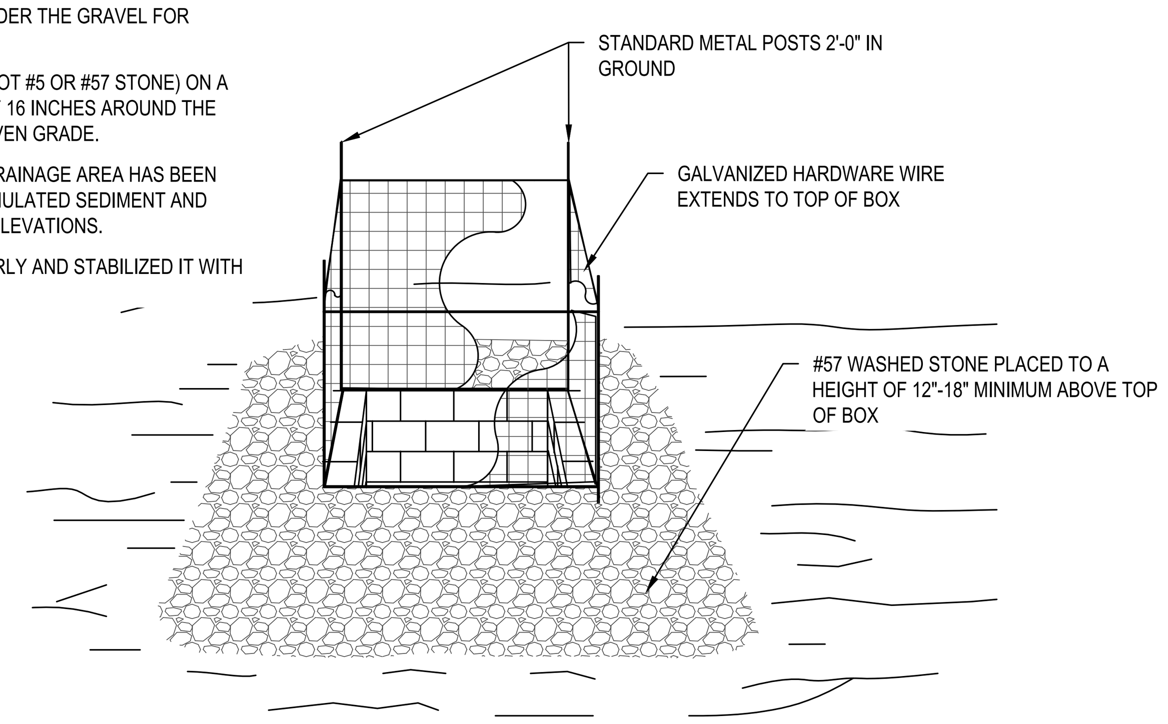
NOT TO SCALE

NOTES:

1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 4 FEET APART.
3. SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND BOTTOM. PLACE A 2-FOOT FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING.
4. PLACE CLEAN GRAVEL (NC DOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES AROUND THE WIRE AND SMOOTH TO AN EVEN GRADE.
5. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT AND ESTABLISH FINAL GRADING ELEVATIONS.
6. COMPACT THE AREA PROPERLY AND STABILIZED IT WITH GROUNDCOVER.

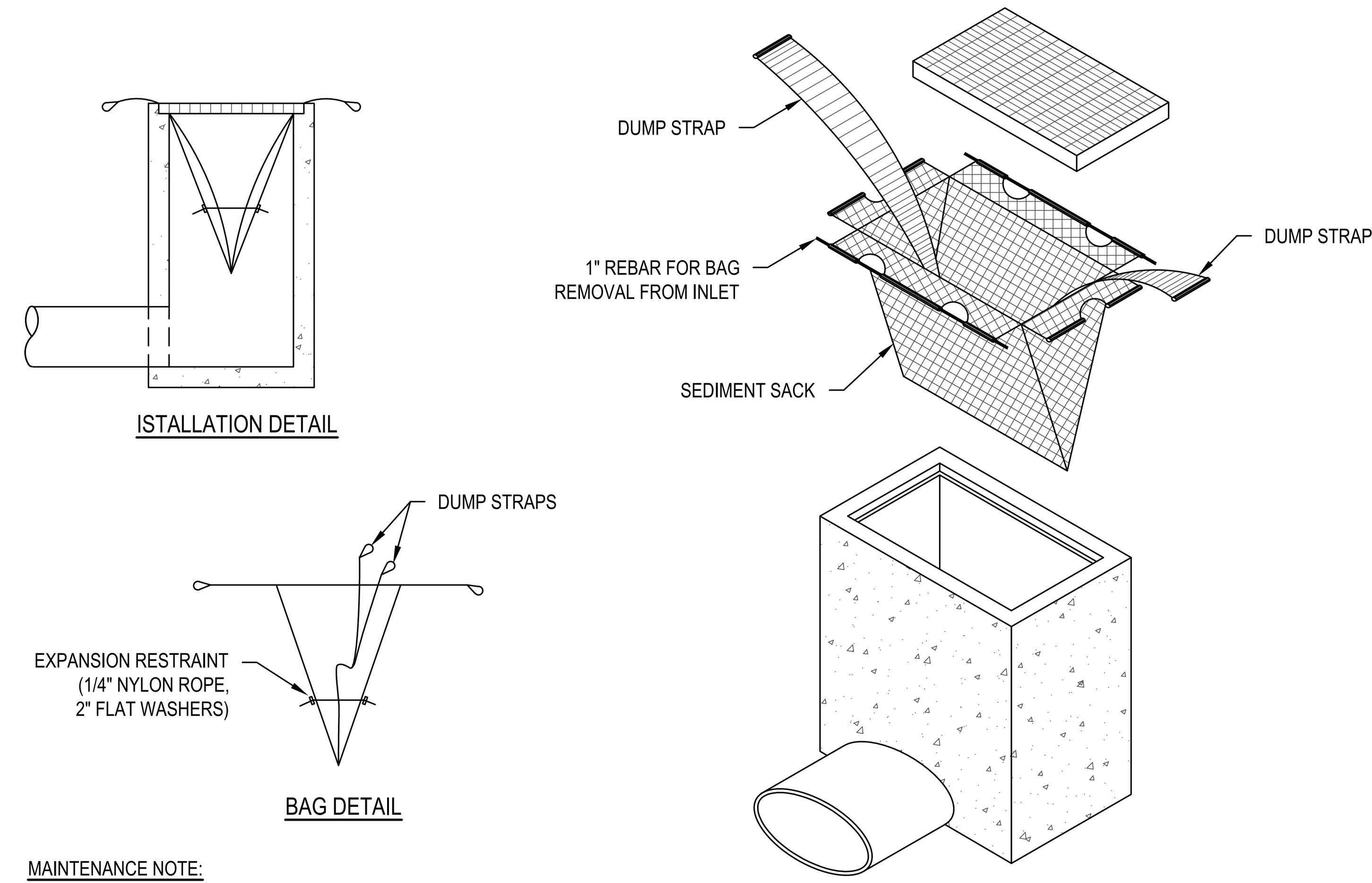
MAINTENANCE NOTE:

INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (½ INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.



HARDWARE CLOTH & GRAVEL INLET PROTECTION

NOT TO SCALE



MAINTENANCE NOTE:

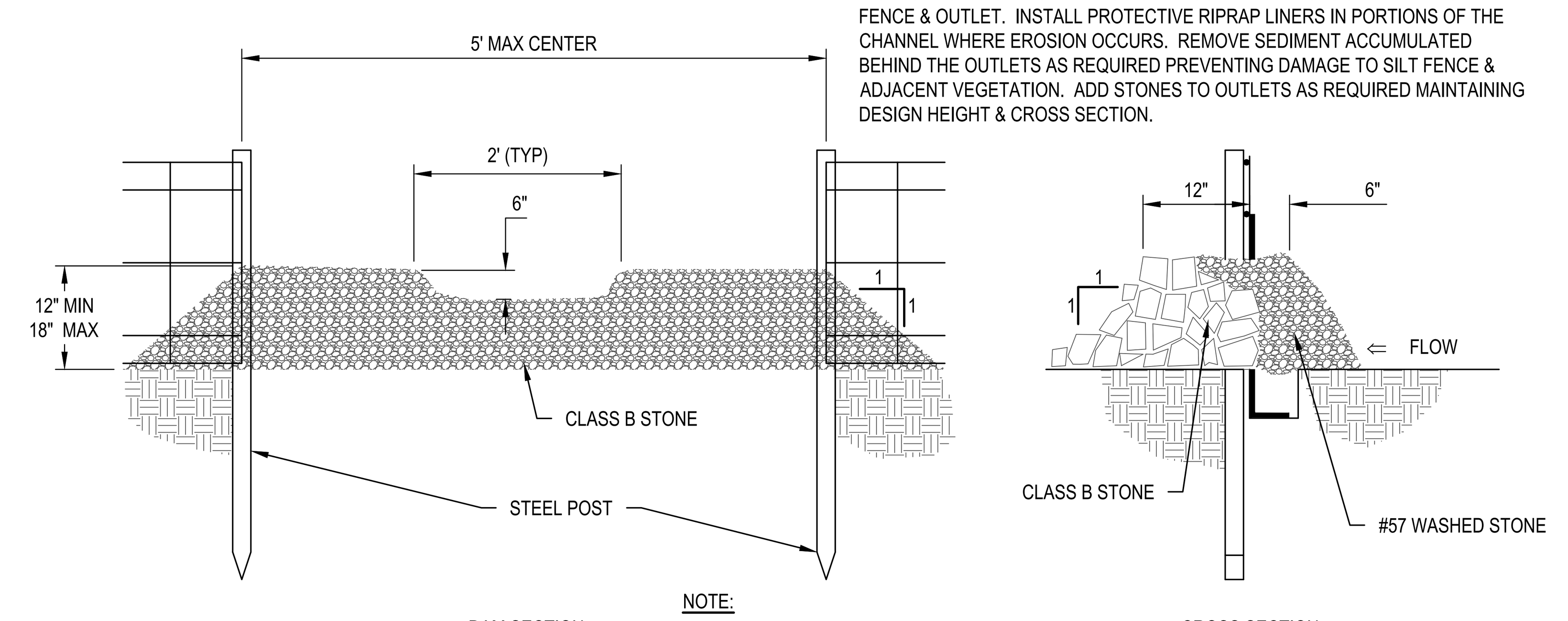
INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (½ INCH OR GREATER) RAINFALL EVENT, CLEAR THE SEDIMENT SACK OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE THE SEDIMENT SACK DURING SEDIMENT REMOVAL. REPLACE DAMAGED SEDIMENT SACKS IMMEDIATELY.

INLET SEDIMENT CONTROL DEVICE

NOT TO SCALE

MAINTENANCE NOTE:

INSPECT FOR SIGNIFICANT EROSION AROUND THE EDGES & BETWEEN SILT FENCE & OUTLET. INSTALL PROTECTIVE RIPRAP LINERS IN PORTIONS OF THE CHANNEL WHERE EROSION OCCURS. REMOVE SEDIMENT ACCUMULATED BEHIND THE OUTLETS AS REQUIRED PREVENTING DAMAGE TO SILT FENCE & ADJACENT VEGETATION. ADD STONES TO OUTLETS AS REQUIRED MAINTAINING DESIGN HEIGHT & CROSS SECTION.

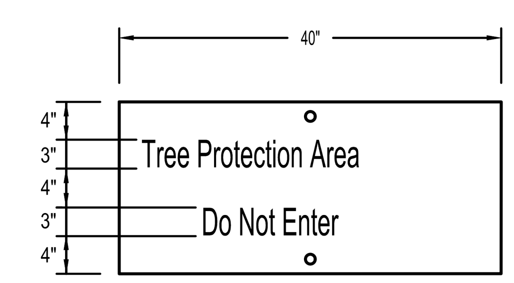


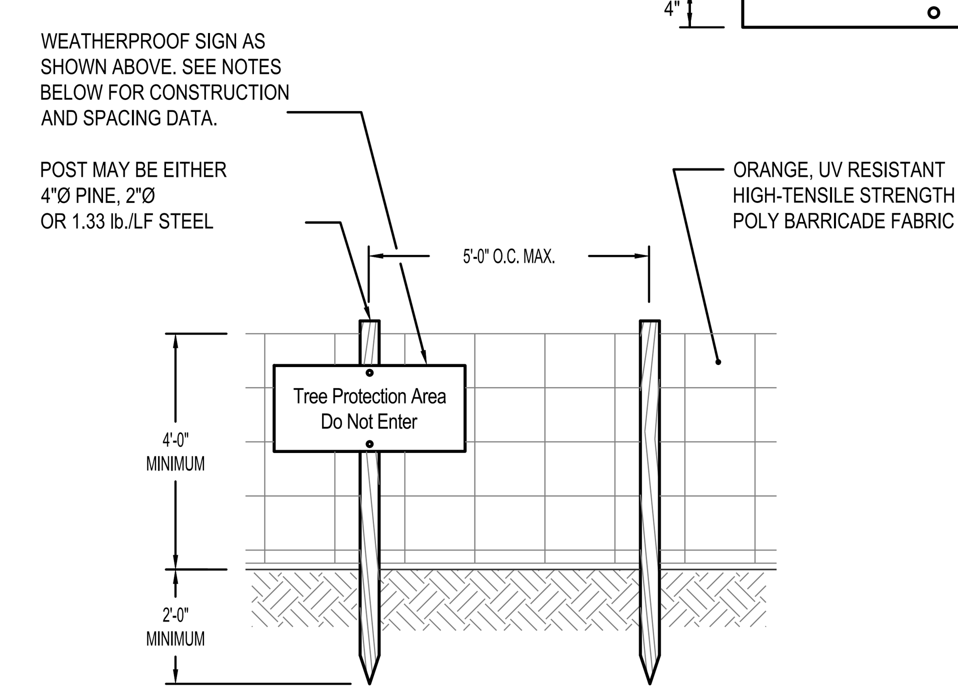
NOTE:

1. POSTS TO BE BURIED A MINIMUM OF 24".

SILT FENCE OUTLET-STONE

NOT TO SCALE





NOTES:

1. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL.
2. LETTERS ARE TO BE 3" HIGH MIN., CLEARLY LEGIBLE AND SPACED AS DETAILED.
3. SIGNS ARE TO BE PLACED NO GREATER THAN 200' ON CENTER.
4. PLACE SIGN AT EACH END OF LINEAR TREE PROTECTION AREA AND ON CENTER THEREAFTER FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA.
5. ATTACH SIGNS SECURELY TO FENCE POST AND FABRIC.
6. MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT.

TREE PROTECTION FENCE

NTS

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL EROSION CONTROL MEASURES TO ACCOUNT FOR ANY EROSION THAT MAY OCCUR.

WithersRavenel
115 MacKenan Drive | Cary, NC 27511
License #: F-1479 | t: 919.469.3340 | www.withersravenel.com
our people • your success

ROBESON COUNTY
550 NORTH CHESTNUT STREET
LUMBERTON, NC 29358

CONSTRUCTION PLANS
ROBESON COUNTY
MAXTON GENERATORS
CRI-155-0014
MAXTON, NC 28364 | ROBESON

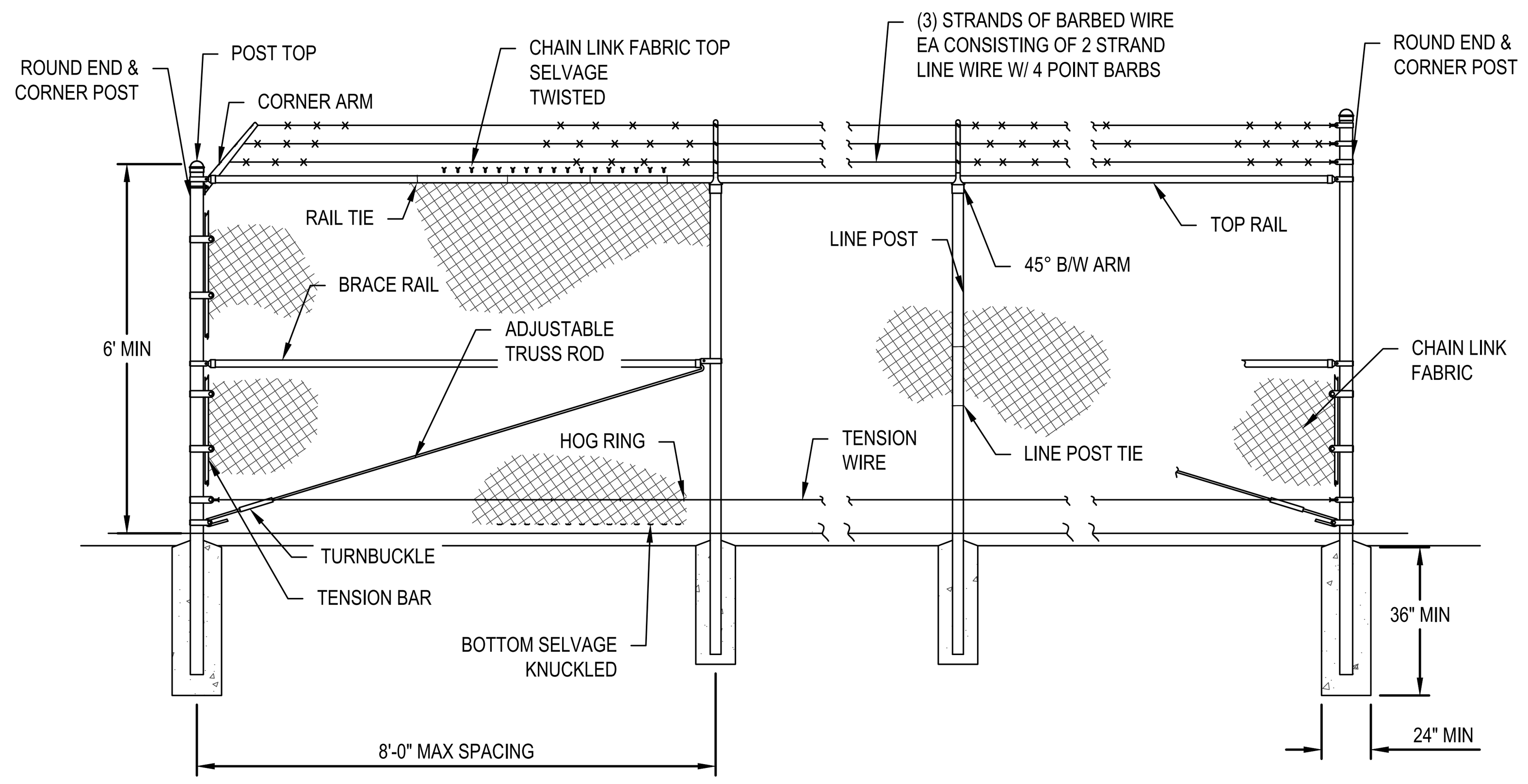
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036163 LEONARD McBRYDE III

WR Job No.	DATE
06211005.00	01/25/2023

DRN: DAC DGN: DAC CKD: LM

EROSION CONTROL DETAILS

C1.00



CHAIN LINK FENCE

NOT TO SCALE

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ROBESON COUNTY
550 NORTH CHESTNUT STREET
LUMBERTON, NC 28358

CONSTRUCTION PLANS

ROBESON COUNTY MAXTON GENERATORS
CRI-155-0014

MAXTON, NC 28364 | ROBESON

NORTH CAROLINA PROFESSIONAL SEAL 036163 ENGINEER LEONARD McBRYDE III

WR Job No.	DATE
06211005.00	01/25/2023

DRN: DAC DGN: DAC CKD: LM

STANDARD DETAILS

C1.01

ATTACHMENT 1A:

Subject Properties' Site Visit Photographs

Maxton Sewer Lift Station No. 5

303 N. Hooper Street, Maxton, NC 28364

Maxton Lift Station No. 5 Photo Key 01/14/2023

Legend

Town Of Maxton Lift Station # 5
If Red light is on or Emergency call
910-844 5249 6am-5pm
910 844-5667 after 5 & weekends
Danger Keep Out
Graham St./Hooper : St. 303 N. Hooper St.

STOP

STOP

Maxton Sewer Lift Station No. 7

904 US 74 BUS, Maxton, NC 28364

Maxton Lift Station No. 7 Photo Key 01/14/2023

Legend

13
14
15
11
12
16-17
10
9
20
7
8
18-19
1
21-22
6
4
5
3
2

NAPA Auto Parts - Clarks Auto Parts #2

N

Google Earth

40 ft

Town Of Maxton Lift Station # 7

If Red light is on or Emergency call

910-844-5249 6am-5pm

910-844-5667 after 5 & weekends

Danger Keep Out

Hwy 74 West Business : 904 Hwy 74 West MLK

Town Of Maxton Lift Station # 7
If Red light is on or Emergency call
910-844-5249 6am-5pm
910-844-5667 after 5 & weekends
Danger Keep Out
Hwy 74 West Business : 904 Hwy 74 West MLK

Town Of Maxton Lift Station # 7
If Red light is on or Emergency call
910-844-5249 6am-5pm
910-844-5667 after 5 & weekends
Danger Keep Out
Hwy 74 West Business : 904 Hwy 74 West 28.4

1/4" SCH-40 Rigid PVC Conduit Max 90° C-Wire NEMA TC-2 SW Sunlight Resistant 03 6 20 46 PPC8 - 5A - C/D 3187597 - Conforms to U

Maxton Sewer Lift Station No. 10

627 NC Highway 71N, Maxton, NC 28364

Maxton Lift Station No. 10 Photo Key 01/14/2023

Legend

Gospel Dr

627 NC-71

11
8
7
10
9
12-13
5-6
3
14-15
1
4
2
16
17
18

Google Earth

40 ft

Town Of Maxton Lift Station # 10

If Red light is on or Emergency call

910-844 5249 6am-5pm

910-844-5667 after 5 & weekends

Danger Keep Out

Airport Rd/N NC71 : 627 N. NC71 Hwy N

Town Of Maxton Lift Station #10
If Red light is on or Emergency call
910-844 5249 6am-5pm
910-844-5667 after 5 & weekends
Danger Keep Out
Airport Rd/N NC71 : 627 N. NC71 Hwy N

Town Of Kenton - Lift Station # 16
If Red light is on or Emergency call
910-944 5249 6am-6pm
910-844-5667 after 5 & weekends
Danger Keep Out
Airport Rd/N NC71 : 627 N. NC71 Hwy N

Town Of Maxton Lift Station #10
Red light is on or Emergency call
910-844 5249 6am-5pm
910-844-5667 after 5 & weekends
Danger Keep Out
Airport Rd N NC71 : 637 N. NC71 Hwy N

Town Of Maxton Lift Station #10
Red light is on or Emergency call
910-844-5349 Kim-Ryan
910-844-5667 after 5 & weekends
Danger Keep Out
Airport Rd/N HC71 / 637 N. HC71 Hwy N

Maxton Sewer Lift Station No. 11

2074 NC Highway 71N, Maxton, NC 28364

Maxton Lift Station No. 11 Photo Key 01/14/2023

Legend

Bladen County

18-19

16-17

14-15

12-13

20

11

21

22

10

23

1

24

9

26

25

7-8

6

3

2

4

5

71

71

Google Earth

40 ft

N

Town Of Maxton Lift Station #11

If Red light is on or Emergency call

910-844-5249 6am-5pm

910-844-5667 after 5 & weekends

Danger Keep Out

Cambell Soup : 2128 N NC71 Hwy

DANGER

PERMIT REQUIRED
CONFINED SPACE
DO NOT ENTER

Town Of Maxton
If Red light is on or
910-844-5249
910-844-5667 after 5
Danger Keep
Cambell Soup : 2128

Town Of Maxton Lift Station #11
If Red light is on or Emergency call
910-844-5249 6am-5pm
910-844-5667 after 5 & weekends
Danger Keep Out
Cambell Soup : 2128 N NC71 Hwy
DANGER

Campbell's

J.D. HUNT

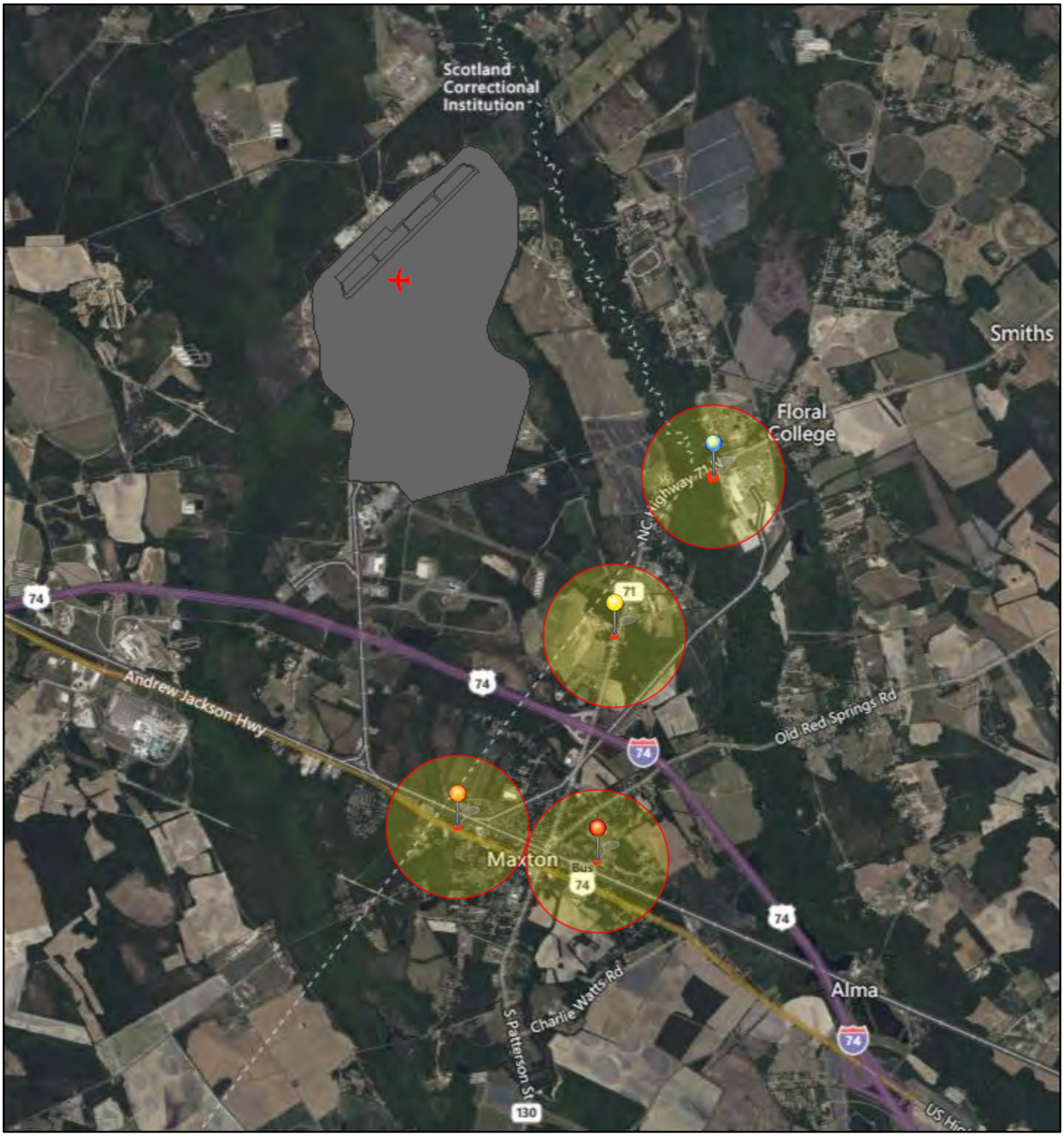
WARNING

Campbell's
SUSAN
DRYERS & BEDDING

ATTACHMENT 2:

NEPAssist Maps with 2,500-foot Buffer and 15,000-foot Buffer Showing Airports and FAA Airport Master Data for MEB

Maxton Sewer Lift Station Generators - Airports 2,500-foot Buffer



January 10, 2023

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Maxton Sewer Lift Station No. 11, 2074 NC Highway 71N, Maxton, NC 28364

Maxton Sewer Lift Station No. 10, 627 NC Highway 71N, Maxton, NC 28364

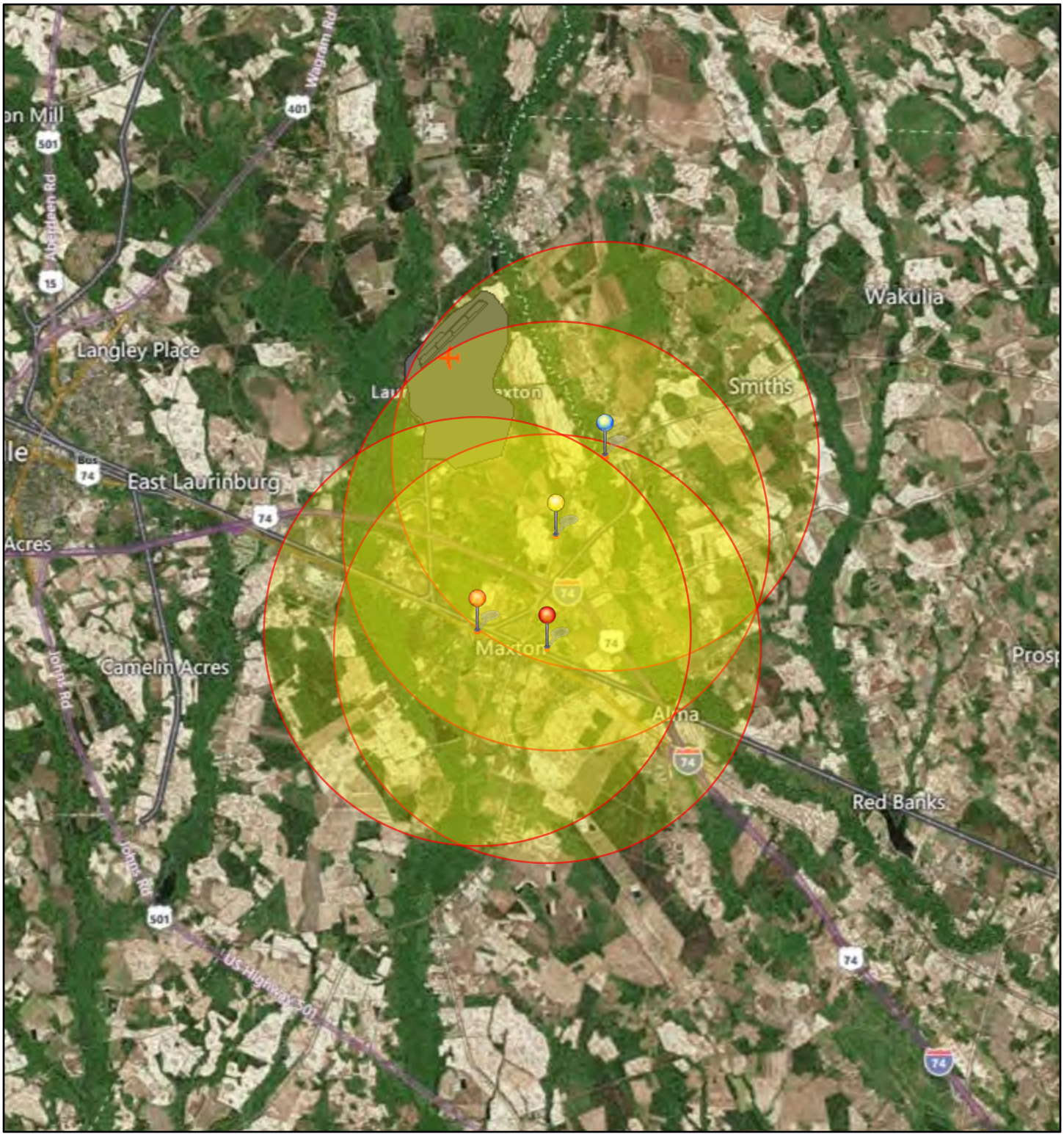
Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC 28364

Maxton Sewer Lift Station No. 7, 904 US 74 BUS, Maxton, NC 28364

Project Buffer

© 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus DS © 2022 TomTom, EPA OEI

Maxton Sewer Lift Station Generators - Airports 15,000-foot Buffer



January 10, 2023

1:144,448

0 1 2 4 mi

0 1.5 3 6 km

Maxton Sewer Lift Station No. 11, 2074 NC Highway 71N, Maxton, NC 28364

Maxton Sewer Lift Station No. 10, 627 NC Highway 71N, Maxton, NC 28364

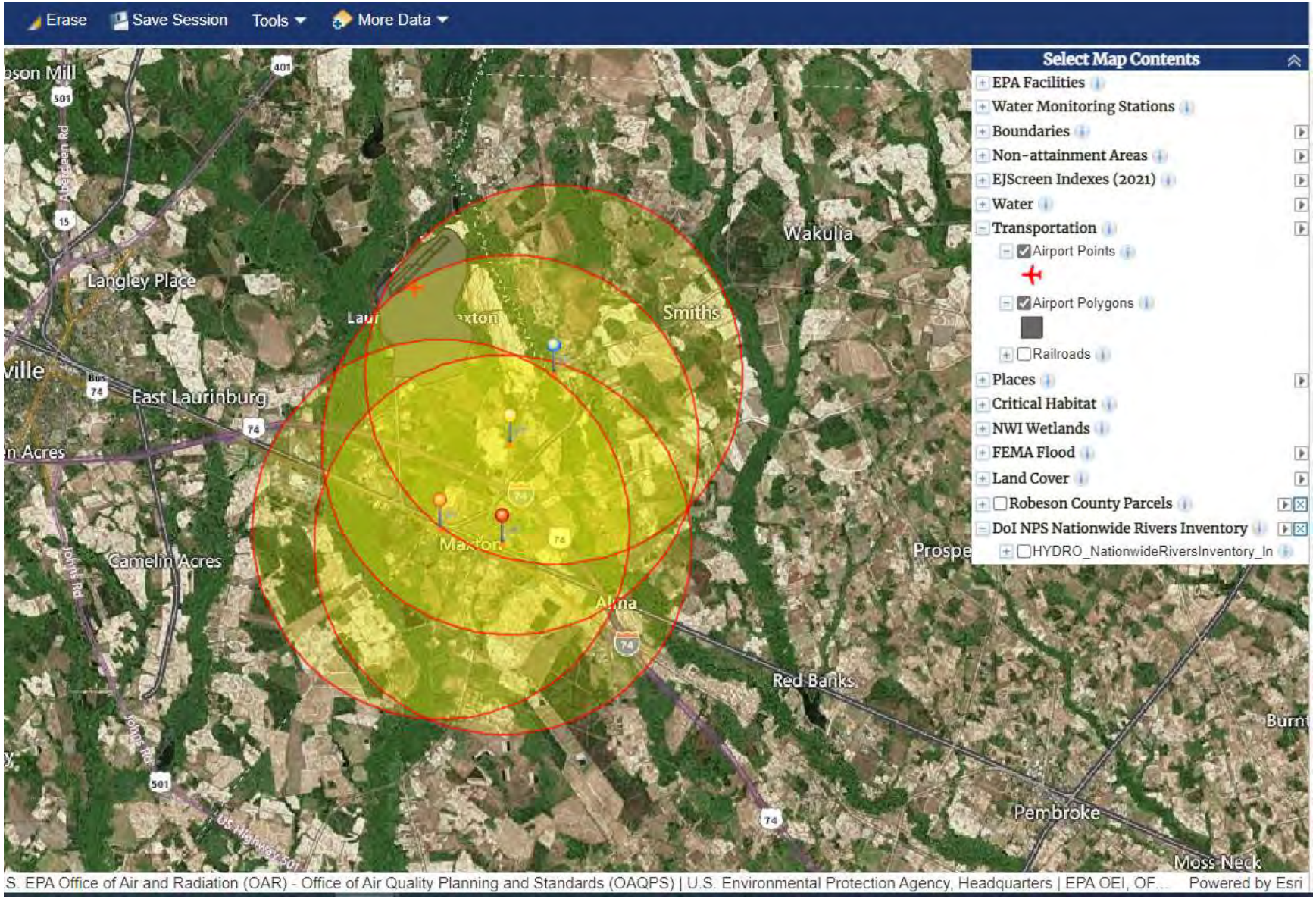
Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC 28364

Maxton Sewer Lift Station No. 7, 904 US 74 BUS, Maxton, NC 28364

Project Buffer

© 2022 Microsoft Corporation Earthstar Geographics SIO © 2022 TomTom, EPA OEI

Maxton Sewer Lift Station Generators - Airports 15,000-foot Buffer



(MEB) LAURINBURG-MAXTON

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New Search

Facility Details

Facility Map

Charts

Login to ADIP application to make changes to airport data. Instructions can be found here.

Effective: December 02, 2021

Toggle Detail Section

Location and General Information

Site Id:	16906.*A	Ownership Type:	PUBLIC
NPIAS Number:	37-0044	Facility Use:	PUBLIC
Service Level:	General Aviation	NPIAS:	YES
Hub Type:	N/A	NPIAS/Federal Agreements:	NGPRY
Airport Status:	Operational	CBD To Airport:	03NM / N
Location:	34° 47' 31.82" N / 79° 21' 57.226" W ESTIMATED	ARTCC:	WASHINGTON (ZDC)
City/State:	MAXTON, NC	Sectional:	CHARLOTTE
County:	SCOTLAND	Region / ADO:	ASO / MEM
Elevation:	215.6 ft. SURVEYED	Area:	4290 ac.
Variation:	08W (2005)		
Last Inspection Date:	07/04/2019		

Services & Facility Information

Control Tower:	On Airport ATCTNONE	Wind Indicator:	LIGHTED
FSS On Airport:	NO	Segmented Circle:	YES
FSS:	RALEIGH (RDU)	Lighting Schedule:	SEE RMK
FSS Toll Free Phone:	1-800-WX-BRIEF	Beacon Lens Color:	Clear and Green
NOTAMs Facility:	MEB	Beacon Schedule:	SS-SR
Attendance:	0800-1700 MON-FRI	Landing Fee:	YES
		Fuel Types:	100LL, A1+
		Other Services:	INSTR,PAJA,SALES
		International Airport of Entry for Customs:	NO
		Military/Civil Joint Use:	NO

Based Aircraft

Single Engine (SE):	13
Multi Engine (ME):	3
Jet (J):	0
Helicopters:	0
TOTAL:	16
Gliders:	0
Military:	0
Ultra-Light:	0

Annual Operations

Air Carrier:	0
Air Taxi:	4,000
General Aviation Local:	10,000
General Aviation Itinerant:	10,000

Military:	30,000
TOTAL OPERATIONS:	54,000
Operations for 12 Months Ending:	07/04/2019

(MEB) LAURINBURG-MAXTON

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- New Search
- **Facility Details**
- Facility Map
- Charts

Login to ADIP application to make changes to airport data. Instructions can be found here.

UNICOM	122.800
CTAF	122.800
ATIS	None

Other Communications / Frequencies

APPROACH/DEPARTURE	127.8 343.725

Radio Aids to Navigation

Type	ID	Frequency	Hours	Distance	Bearing
NDB	ME	257 MHz	24	5.2 nm	47.3°
• NDB UNUSBL BYD 15 NM.					
NDB	JB	384 MHz	24	18.6 nm	322.9°
• 3RD PARTY SURVEY					
NDB	DLC	274 MHz	24	20.5 nm	0.4°
• NDB UNUSBL BYD 18 NM.					
NDB	BES	230 MHz	24	20.9 nm	60.2°
• NDB LOCATED 1920' FROM APCH END RWY 06 AND 725' SE OF RWY AT RIGHT ANGLES.					
VOR/DME	FAY	108.8 MHz	24	26.9 nm	244.5°
VORTAC	SDZ	111.8 MHz	24	27.6 nm	156.7°
• VOR UNUSBL 075-143; 144-154 BLW 6000 FT; 144-154 BYD 23 NM; 155-179 BLW 5000 FT; 180-264 BLW 8000 FT; 301-019 BYD 10 NM BLW 10000 FT. • DME UNUSBL 041-092 BLW 3000 FT. • TAC AZM UNUSBL 016-050 BYD 28 NM BLW 3000 FT.					
TACAN	POB	113.8 MHz	24	28.3 nm	217.1°
• NO-NOTAM MP: 1300-1600Z++ THU. • TACAN AZM UNUSBL 006-089 BYD 25 BLW 4000 FT; 090-092 BYD 15 NM; 093-143 BYD 25 NM BLW 4000 FT; 144-148 BYD 18 NM; 149-278 BYD 25 NM BLW 4000 FT; 306-311 BYD 25 NM; 312-335 BYD 25 NM BLW 4000 FT; 336-338 BYD 25 NM; 339-350 BYD 25 NM BLW 4000 FT; 351-355 BYD 12 NM; 356-005 BYD 25 NM. • DME UNUSBL 006-089 BYD 25 NM BLW 4000 FT; 090-092 BYD 15 NM; 093-143 BYD 25 NM BLW 4000 FT; 144-148 BYD 18 NM; 149-278 BYD 25 NM BLW 4000 FT; 152-155 BYD 25 NM; 196-209 BYD 25 NM; 245-251 BYD 25 NM; 312-335 BYD 25 NM BLW 4000 FT; 339-350 BYD 25 NM BLW 4000 FT; 351-355 BYD 12 NM.					
NDB	POB	338 MHz	24	33 nm	217.9°
• NO-NOTAM MP: 1300-1500Z++ FRI.					
NDB	UDG	245 MHz	24	33.2 nm	50.7°
• NDB ON ARPT 1445' NE OF RWY 05 THR ALONG CNTRLN AT RIGHT ANGLES TO CNTRLN 875' SE. • NDB UNMONITORED.					
NDB	FGP	393 MHz	24	34.3 nm	232.7°
• NO-NOTAM MP:1300-1330Z++ 1ST MON.					

ILS (I-MEB)

Runway: 05
Category: I

Localizer
Location: 34° 48' 13.673" N / 79° 21' 18.777" W
Elevation: 198 ft.
Frequency: 110.70

Glide Slope
Location: 34° 47' 28.575" N / 79° 22' 6.451" W
Elevation: 213.5 ft.
Frequency: 330.20

Marker Beacons

Marker Type: OM
Location: 34° 43' 59.363" N / 79° 26' 37.522" W
Elevation: 213.5 ft.

(MEB) LAURINBURG-MAXTON

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- New Search
- **Facility Details**
- Facility Map
- Charts

Login to ADIP application to make changes to airport data. Instructions can be found here.

Elevation: 213.5 ft.

Weather Data Services

ID	Type	Frequency	Phone	Distance
MEB*ASOS	ASOS	134.125 MHz	910-844-5338	0.1 nm
HFF*ASOS	ASOS	141.25 MHz	910-396-7804	16.3 nm
LBT*ASOS	ASOS	134.775 MHz	910-671-1906	18.7 nm
RCZ*AWOS-3	AWOS-3	118.775 MHz	910-997-4093	20.3 nm
BBP*AWOS-3PT	AWOS-3PT	123.825 MHz	843-479-5817	20.9 nm

Runway - 05/23

Dimensions:	6503 ft. x 100 ft.	Single Wheel:	60000 lbs
Surface Type/Condition:	ASPH-E	Double Wheel:	160000 lbs
Edge Lights Intensity:	HIGH	Double Tandem:	256000 lbs

05

True Heading	46°
Right Hand Pattern:	NO
Marking Type:	PIR
Marking Condition:	G
Latitude:	34° 47' 25.3045" N
Longitude:	79° 22' 19.099" W
Elevation:	215.6 ft.
Threshold Crossing Height:	52 ft. AGL
Visual Glide Path Angle:	3°
Visual Slope Indicator:	P4L
Approach Lights:	MALSR

Obstruction Data

Far 77 Category:	PIR
Obstacle Clearance Slope:	50
Close In Obstacle:	N

23

True Heading	226°
Right Hand Pattern:	YES
Marking Type:	PIR
Marking Condition:	G
Latitude:	34° 48' 10.1337" N
Longitude:	79° 21' 23.1926" W
Elevation:	200 ft.
Threshold Crossing Height:	38 ft. AGL
Visual Glide Path Angle:	3°
Visual Slope Indicator:	P4L
Displaced Threshold:	187 ft.
DT Latitude:	34° 48' 8.8446" N
DT Longitude:	79° 21' 24.8005" W
DT Elevation:	201.6 ft.

Obstruction Data

Controlling Obstacle:	ROAD
Far 77 Category:	C
Height Above Runway End:	20 ft.
Distance From Runway End:	617 ft.
Centerline Offset:	0B

Login to ADIP application to make changes to airport data. Instructions can be found here.

Obstacle Clearance Slope:	20
Close In Obstacle:	N

Dimensions:	3336 ft. x 75 ft.	Single Wheel:	25000 lbs
Surface Type/Condition:	CONC-G	Double Wheel:	35000 lbs

13

True Heading	135°
Right Hand Pattern:	YES
Marking Type:	BSC
Marking Condition:	G
Latitude:	34° 47' 14.9924" N
Longitude:	79° 22' 23.3277" W
Elevation:	215.5 ft.

Obstruction Data

Controlling Obstacle:	TREES
Far 77 Category:	B(V)
Height Above Runway End:	67 ft.
Distance From Runway End:	1685 ft.
Centerline Offset:	219L
Obstacle Clearance Slope:	22
Close In Obstacle:	N

31

True Heading	315°
Right Hand Pattern:	NO
Marking Type:	BSC
Marking Condition:	G
Latitude:	34° 46' 50.1617" N
Longitude:	79° 21' 53.4819" W
Elevation:	207 ft.

Obstruction Data

Controlling Obstacle:	ACFT
Far 77 Category:	B(V)
Height Above Runway End:	59 ft.
Distance From Runway End:	976 ft.
Centerline Offset:	241L
Obstacle Clearance Slope:	13
Close In Obstacle:	N

Owner Information (PUBLIC)

TOWN OF LAURINBURG & MAXTON
16701 AIRPORT RD
MAXTON, NC 28364
(910) 844-3601

Manager Information

RANDY HOFFMAN
16701 AIRPORT RD
MAXTON, NC 28364
(910) 844-3601

Remarks

Element Number	Remark
A014	(MANAGER NAME) JO ANN GENTRY EXEC DIR AIRPORT COMMISSION.
A070	(FUEL TYPES) 24 HR SELF SERVICE WITH CREDIT CARD.
A071	(AIRFRAME REPAIR SERVICE) CALL AIRPORT TO ARRANGE FOR SERVICE

Element Number	Remark
A081	(AIRPORT LIGHTING SCHEDULE) ACTVT MALSR RWY 05, PAPI RWY 05/23, HIRL RWY 05/23 - CTAF.
A057	RWY 05 APPROACH SLOPE 35:1 AT MARKED DSPLCD THLD

(MEB) LAURINBURG-MAXTON

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New Search

Facility Details

Facility Map

Charts

Login to ADIP application to make changes to airport data. Instructions can be found here.

A043	RWY 23 PAPI OTS INDEF.
A031	RWY 13/31 2750 FT CONC STOPWAY ON SE END.
A17	FOR SERVICE AFTER HRS CALL 910-277-0367 OR 910-318-6907.
A110-003	MIL ACFT FQTLY OPER FM CLSD PTN OF RWY 13/31 & CLSD RWY 18/36.
A110-004	HVY PAJA AT SOUTH END OF CLSD RWY 18/36 & SOUTH SIDE RWY 13/31.
A110-005	GCO AVBL ON FREQ 135.075 THRU FAY CD.
A110-006	FARMING EQPT AND MIL OPS ON & INVOF ARPT.
A110-007	RWY 13/31 DALGT USE ONLY.
A110-008	NO LN OF SIGHT BTN RWY ENDS.
A110-009	FOR CD IF UNA VIA GCO CTC FAYETTEVILLE APCH AT 910-484-8012.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AIRPORT MASTER RECORD

PRINT DATE: 01/10/2023
AFD EFF 12/29/2022
FORM APPROVED OMB 2120-0015

> 1 ASSOC CITY:	MAXTON	4 STATE: NC	LOC ID: MEB	FAA SITE NR:	16906.*A
> 2 AIRPORT NAME:	LAURINBURG/MAXTON		5 COUNTY: SCOTLAND, NC		
3 CBD TO AIRPORT (NM): 3 N		6 REGION/ADO: ASO /MEM	7 SECT AERO CHT: CHARLOTTE		

GENERAL

10 OWNERSHIP:	PUBLIC
> 11 OWNER:	TOWN OF LAURINBURG & MAXTON
> 12 ADDRESS:	16701 AIRPORT RD MAXTON, NC 28364
> 13 PHONE NR:	(910) 844-3601
> 14 MANAGER:	RANDY HOFFMAN
> 15 ADDRESS:	16701 AIRPORT RD MAXTON, NC 28364
> 16 PHONE NR:	(910) 844-3601

> 17 ATTENDANCE SCHEDULE:

MONTHS	DAYS	HOURS
ALL	MON-FRI	0800-1700

18 AIRPORT USE:	PUBLIC
19 ARPT LAT:	34-47-31.82N ESTIMATED
20 ARPT LONG:	79-21-57.226W
21 ARPT ELEV:	215.6 SURVEYED
22 ACREAGE:	4,290
> 23 RIGHT TRAFFIC:	23 13
> 24 NON-COMM LANDING:	YES
25 NPIAS/FED AGREEMENTS:	YES / NGPRY
> 26 FAR 139 INDEX:	/

SERVICES

> 70 FUEL:	100LL A1+
> 71 AIRFRAME RPRS:	MINOR
> 72 PWR PLANT RPRS:	MINOR
> 73 BOTTLE OXYGEN:	NONE
> 74 BULK OXYGEN:	NONE
75 TSNT STORAGE:	HGR TIE
76 OTHER SERVICES:	INSTR,PAJA,SALES

FACILITIES

> 80 ARPT BCN:	WG
> 81 ARPT LGT SKED:	SEE RMK
BCN LGT SKED:	SS-SR
> 82 UNICOM:	122.800
> 83 WIND INDICATOR:	YES-L
84 SEGMENTED CIRCLE:	YES
85 CONTROL TWR:	NO
86 FSS:	RALEIGH
87 FSS ON ARPT:	NO
88 FSS PHONE NR:	
89 TOLL FREE NR:	1-800-WX-BRIEF

BASED AIRCRAFT

90 SINGLE ENG:	14
91 MULTI ENG:	3
92 JET:	0
93 HELICOPTERS:	1
TOTAL:	18
94 GLIDERS:	0
95 MILITARY:	0
96 ULTRA-LIGHT:	0

OPERATIONS

100 AIR CARRIER:	0
102 AIR TAXI:	4,000
103 G A LOCAL:	10,000
104 G A ITNRNT:	10,000
105 MILITARY:	30,000
TOTAL:	54,000

OPERATIONS FOR 12 MONTHS ENDING 11/23/2021

RUNWAY DATA

		05/23	13/31
> 30 RUNWAY IDENT:		05/23	13/31
> 31 LENGTH:		6,503	3,536
> 32 WIDTH:		100	75
> 33 SURF TYPE-COND:		ASPH-E	CONC-G
> 34 SURF TREATMENT:			
35 GROSS WT:	S	60.0	25.0
36 (IN THSDS)	D	160.0	35.0
37	2D	256.0	
38	2D/2DS		
> 39 PCN / PCR:			

LIGHTING/APCH AIDS

> 40 EDGE INTENSITY:	HIGH	
> 42 RWY MARK TYPE-COND:	PIR- F / PIR- G	BSC- G / BSC- G
> 43 VGSI:	P4L / P4L	/
44 THR CROSSING HGT:	52 / 38	/
45 VISUAL GLIDE ANGLE:	3.00 / 3.00	/
> 46 CNTRLN-TDZ:	- / -	- / -
> 47 RVR-RVV:	- / -	- / -
> 48 REIL:	/	/
> 49 APCH LIGHTS:	MALSR /	/

OBSTRUCTION DATA

50 FAR 77 CATEGORY:	PIR / C	B(V) / B(V)
> 51 DISPLACED THR:	/ 187	/
> 52 CTLG OBSTN:	/ ROAD	TREES / ACFT
> 53 OBSTN MARKED/LGTD:	/	/
> 54 HGT ABOVE RWY END:	/ 20	67 / 63
> 55 DIST FROM RWY END:	0 / 534	1,685 / 983
> 56 CNTRLN OFFSET:	/ 0B	252L / 211L
57 OBSTN CLNC SLOPE:	50:1 / 16:1	22:1 / 12:1
58 CLOSE-IN OBSTN:	N / N	N / N

DECLARED DISTANCES

> 60 TAKE OFF RUN AVBL (TORA):	/	/
> 61 TAKE OFF DIST AVBL (TODA):	/	/
> 62 ACLT STOP DIST AVBL (ASDA):	/	/
> 63 LNDG DIST AVBL (LDA):	/	/

(>) ARPT MGR PLEASE ADVISE FSS IN ITEM 86 WHEN CHANGES OCCUR TO ITEMS PRECEDED BY >

> 110 REMARKS:

A 014	JO ANN GENTRY EXEC DIR AIRPORT COMMISSION.
A 017	FOR SERVICE AFTER HRS CALL 910-277-0367 OR 910-318-6907.
A 031	RWY 13/31 2750 FT CONC STOPWAY ON SE END.
A 043	RWY 23 PAPI OTS INDEF.
A 057	RWY 05 RWY 23 APPROACH SLOPE 23:1 AT DSPLCD THR DUE TO SAME ROAD.
A 070	24 HR SELF SERVICE WITH CREDIT CARD.
A 071	CALL AIRPORT TO ARRANGE FOR SERVICE.

111 INSPECTOR: (S) 112 LAST INSP: 11/23/2021 113 LAST INFO RES:

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AIRPORT MASTER RECORD

PRINT DATE: 01/10/2023
AFD EFF 12/29/2022
FORM APPROVED OMB 2120-0015

> 1 ASSOC CITY:	MAXTON	4 STATE: NC	LOC ID: MEB	FAA SITE NR: 16906.*A
> 2 AIRPORT NAME:	LAURINBURG/MAXTON		5 COUNTY: SCOTLAND, NC	
3 CBD TO AIRPORT (NM): 3 N		6 REGION/ADO: ASO /MEM	7 SECT AERO CHT: CHARLOTTE	

GENERAL

10 OWNERSHIP:	PUBLIC
> 11 OWNER:	TOWN OF LAURINBURG & MAXTON
> 12 ADDRESS:	16701 AIRPORT RD MAXTON, NC 28364
> 13 PHONE NR:	(910) 844-3601
> 14 MANAGER:	RANDY HOFFMAN
> 15 ADDRESS:	16701 AIRPORT RD MAXTON, NC 28364
> 16 PHONE NR:	(910) 844-3601

> 17 ATTENDANCE SCHEDULE:

MONTHS	DAYS	HOURS
ALL	MON-FRI	0800-1700

18 AIRPORT USE:	PUBLIC
19 ARPT LAT:	34-47-31.82N ESTIMATED
20 ARPT LONG:	79-21-57.226W
21 ARPT ELEV:	215.6 SURVEYED
22 ACREAGE:	4,290
> 23 RIGHT TRAFFIC:	23 13
> 24 NON-COMM LANDING:	YES
25 NPIAS/FED AGREEMENTS:	YES / NGPRY
> 26 FAR 139 INDEX:	/

SERVICES

> 70 FUEL:	100LL A1+
> 71 AIRFRAME RPRS:	MINOR
> 72 PWR PLANT RPRS:	MINOR
> 73 BOTTLE OXYGEN:	NONE
> 74 BULK OXYGEN:	NONE
75 TSNT STORAGE:	HGR TIE
76 OTHER SERVICES:	INSTR,PAJA,SALES

FACILITIES

> 80 ARPT BCN:	WG
> 81 ARPT LGT SKED:	SEE RMK
BCN LGT SKED:	SS-SR
> 82 UNICOM:	122.800
> 83 WIND INDICATOR:	YES-L
84 SEGMENTED CIRCLE:	YES
85 CONTROL TWR:	NO
86 FSS:	RALEIGH
87 FSS ON ARPT:	NO
88 FSS PHONE NR:	
89 TOLL FREE NR:	1-800-WX-BRIEF

BASED AIRCRAFT

90 SINGLE ENG:	14
91 MULTI ENG:	3
92 JET:	0
93 HELICOPTERS:	1
TOTAL:	18
94 GLIDERS:	0
95 MILITARY:	0
96 ULTRA-LIGHT:	0

OPERATIONS

100 AIR CARRIER:	0
102 AIR TAXI:	4,000
103 G A LOCAL:	10,000
104 G A ITNRNT:	10,000
105 MILITARY:	30,000
TOTAL:	54,000

OPERATIONS FOR 12 MONTHS ENDING 11/23/2021

RUNWAY DATA

> 30 RUNWAY IDENT:
> 31 LENGTH:
> 32 WIDTH:
> 33 SURF TYPE-COND:
> 34 SURF TREATMENT:
35 GROSS WT: S
36 (IN THSDS) D
37 2D
38 2D/2DS
> 39 PCN / PCR:

LIGHTING/APCH AIDS

> 40 EDGE INTENSITY:
> 42 RWY MARK TYPE-COND:
> 43 VGSI:
44 THR CROSSING HGT:
45 VISUAL GLIDE ANGLE:
> 46 CNTRLN-TDZ:
> 47 RVR-RVV:
> 48 REIL:
> 49 APCH LIGHTS:

OBSTRUCTION DATA

50 FAR 77 CATEGORY:
> 51 DISPLACED THR:
> 52 CTLG OBSTN:
> 53 OBSTN MARKED/LGTD:
> 54 HGT ABOVE RWY END:
> 55 DIST FROM RWY END:
> 56 CNTRLN OFFSET:
57 OBSTN CLNC SLOPE:
58 CLOSE-IN OBSTN:

DECLARED DISTANCES

> 60 TAKE OFF RUN AVBL (TORA):
> 61 TAKE OFF DIST AVBL (TODA):
> 62 ACLT STOP DIST AVBL (ASDA):
> 63 LNDG DIST AVBL (LDA):

(>) ARPT MGR PLEASE ADVISE FSS IN ITEM 86 WHEN CHANGES OCCUR TO ITEMS PRECEDED BY >

> 110 REMARKS:

A 081	ACTVT MALSR RWY 05, PAPI RWY 05/23, HIRL RWY 05/23 - CTAF.
A 110-003	MIL ACFT FRQLY OPER FM CLSD PTN OF RWY 13/31 & CLSD RWY 18/36.
A 110-004	HVY PAJA AT SOUTH END OF CLSD RWY 18/36 & SOUTH SIDE RWY 13/31.
A 110-005	GCO AVBL ON FREQ 135.075 THRU FAY CD.
A 110-006	FARMING EQPT AND MIL OPS ON & INVOF ARPT.
A 110-007	RWY 13/31 DALGT USE ONLY.
A 110-008	NO LN OF SIGHT BTN RWY ENDS.

111 INSPECTOR: (S) 112 LAST INSP: 11/23/2021 113 LAST INFO RES:

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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> 14 MANAGER:	RANDY HOFFMAN
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> 74 BULK OXYGEN:	NONE
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> 34 SURF TREATMENT:
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36 (IN THSDS) D
37 2D
38 2D/2DS
> 39 PCN / PCR:

LIGHTING/APCH AIDS

> 40 EDGE INTENSITY:
> 42 RWY MARK TYPE-COND:
> 43 VGSI:
44 THR CROSSING HGT:
45 VISUAL GLIDE ANGLE:
> 46 CNTRLN-TDZ:
> 47 RVR-RVV:
> 48 REIL:
> 49 APCH LIGHTS:

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> 54 HGT ABOVE RWY END:
> 55 DIST FROM RWY END:
> 56 CNTRLN OFFSET:
57 OBSTN CLNC SLOPE:
58 CLOSE-IN OBSTN:

DECLARED DISTANCES

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> 61 TAKE OFF DIST AVBL (TODA):
> 62 ACLT STOP DIST AVBL (ASDA):
> 63 LNDG DIST AVBL (LDA):

(>) ARPT MGR PLEASE ADVISE FSS IN ITEM 86 WHEN CHANGES OCCUR TO ITEMS PRECEDED BY >

> 110 REMARKS:

A 110-009 FOR CD IF UNA VIA GCO CTC FAYETTEVILLE APCH AT 910-484-8012.

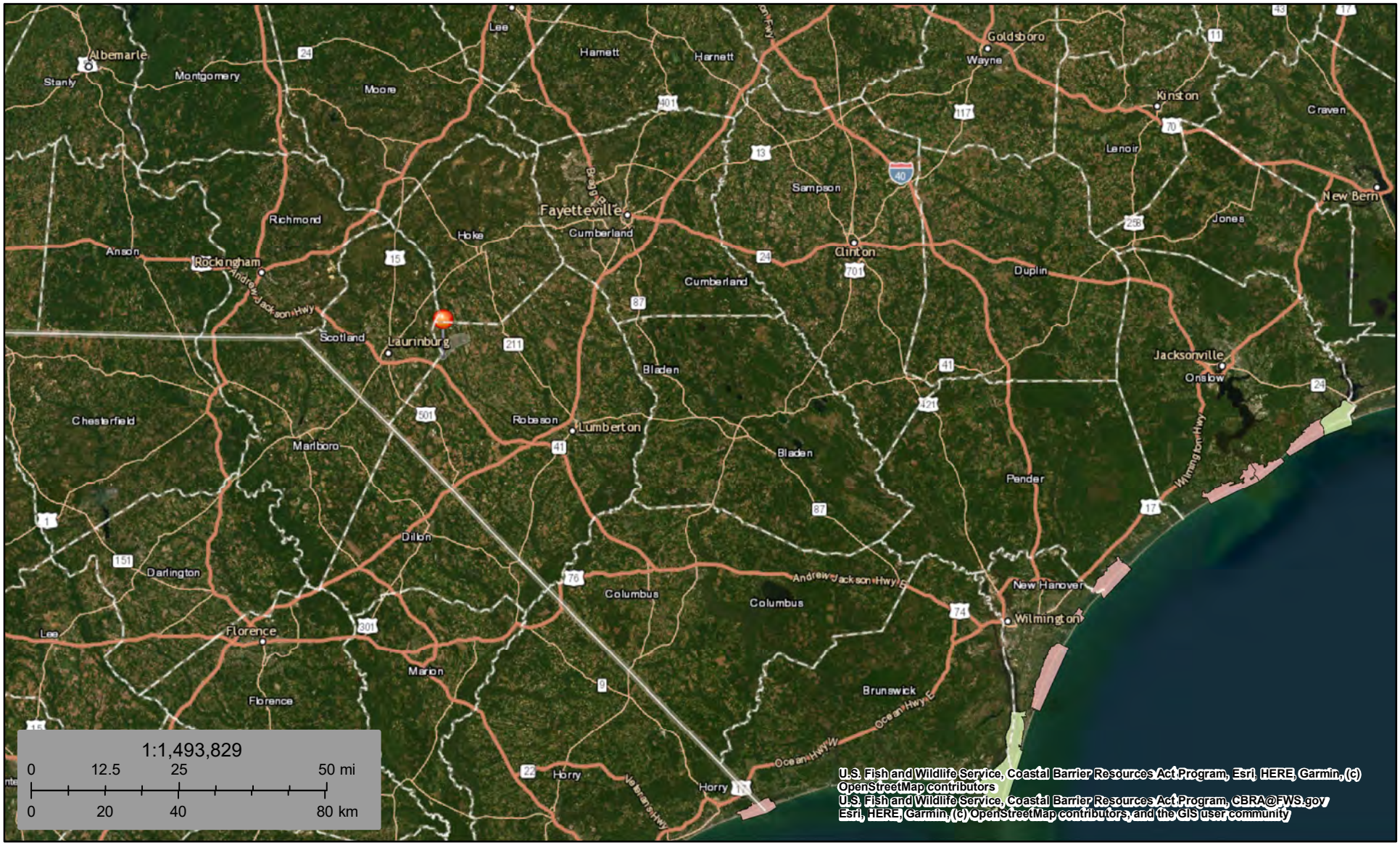
111 INSPECTOR: (S) 112 LAST INSP: 11/23/2021 113 LAST INFO RES:

ATTACHMENT 3:

USFWS CBRS Maps

U.S. Fish and Wildlife Service
Coastal Barrier Resources System

Maxton Sewer Lift Station Generators



January 10, 2023

CBRS Units

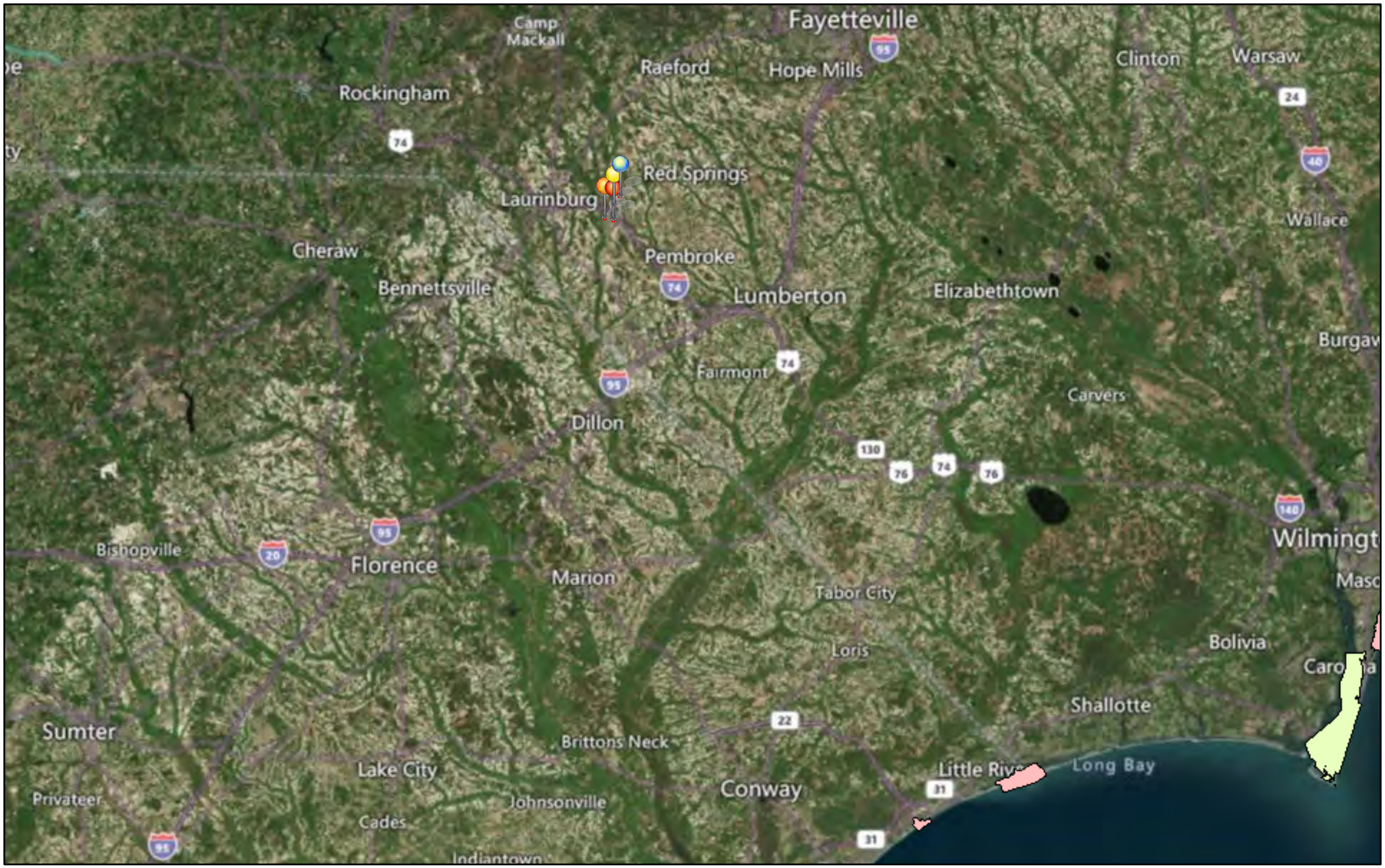
- Otherwise Protected Area
- System Unit

This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation) as to whether the property or project site is located "in" or "out" of the CBRS.

CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward

Maxton Sewer Lift Station Generators - USFWS CBRS Map



January 10, 2023

Maxton Sewer Lift Station No. 11, 2074 NC Highway 71N, Maxton, NC 28364

Maxton Sewer Lift Station No. 10, 627 NC Highway 71N, Maxton, NC 28364

Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC 28364

Maxton Sewer Lift Station No. 7, 904 US 74 BUS, Maxton, NC 28364

1:1,155,581

0 5 10 20 mi

0 12.5 25 50 km

© 2022 Microsoft Corporation Earthstar Geographics SIO © 2022 TomTom, U.S. Fish and Wildlife Service, Coastal Barrier Resources Act Program,

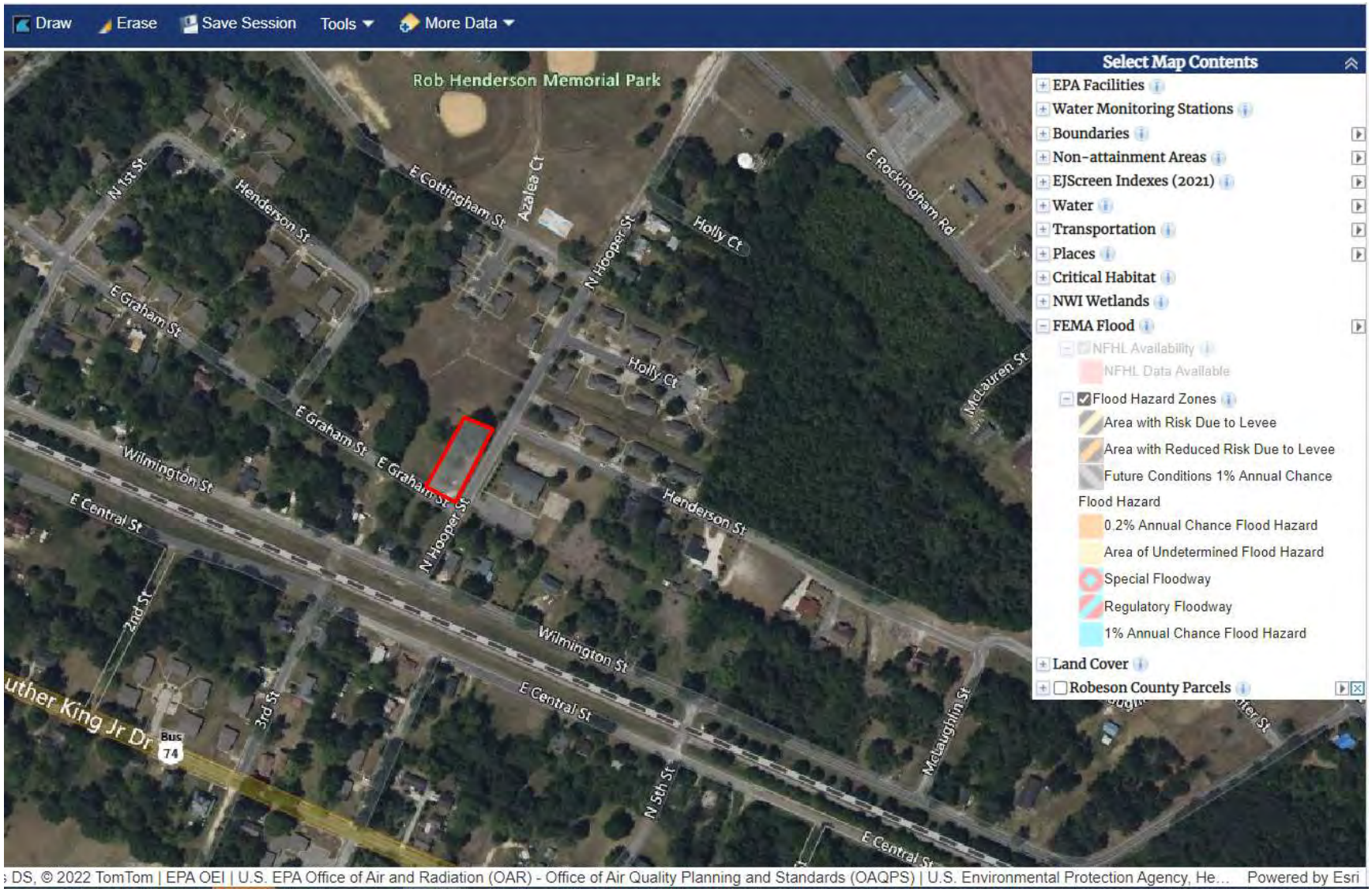
ATTACHMENT 4:

FEMA FIRMs and PFIRMs with Parcel Boundary

Maxton Sewer Lift Station No. 5

303 N. Hooper Street, Maxton, NC 28364

Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC 28364 - FEMA FIRM



National Flood Hazard Layer FIRMette

FEMA

79°20'52"W 34°44'25"N

79°20'14"W 34°43'56"N

Feet 1:6,000

0 250 500 1,000 1,500 2,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

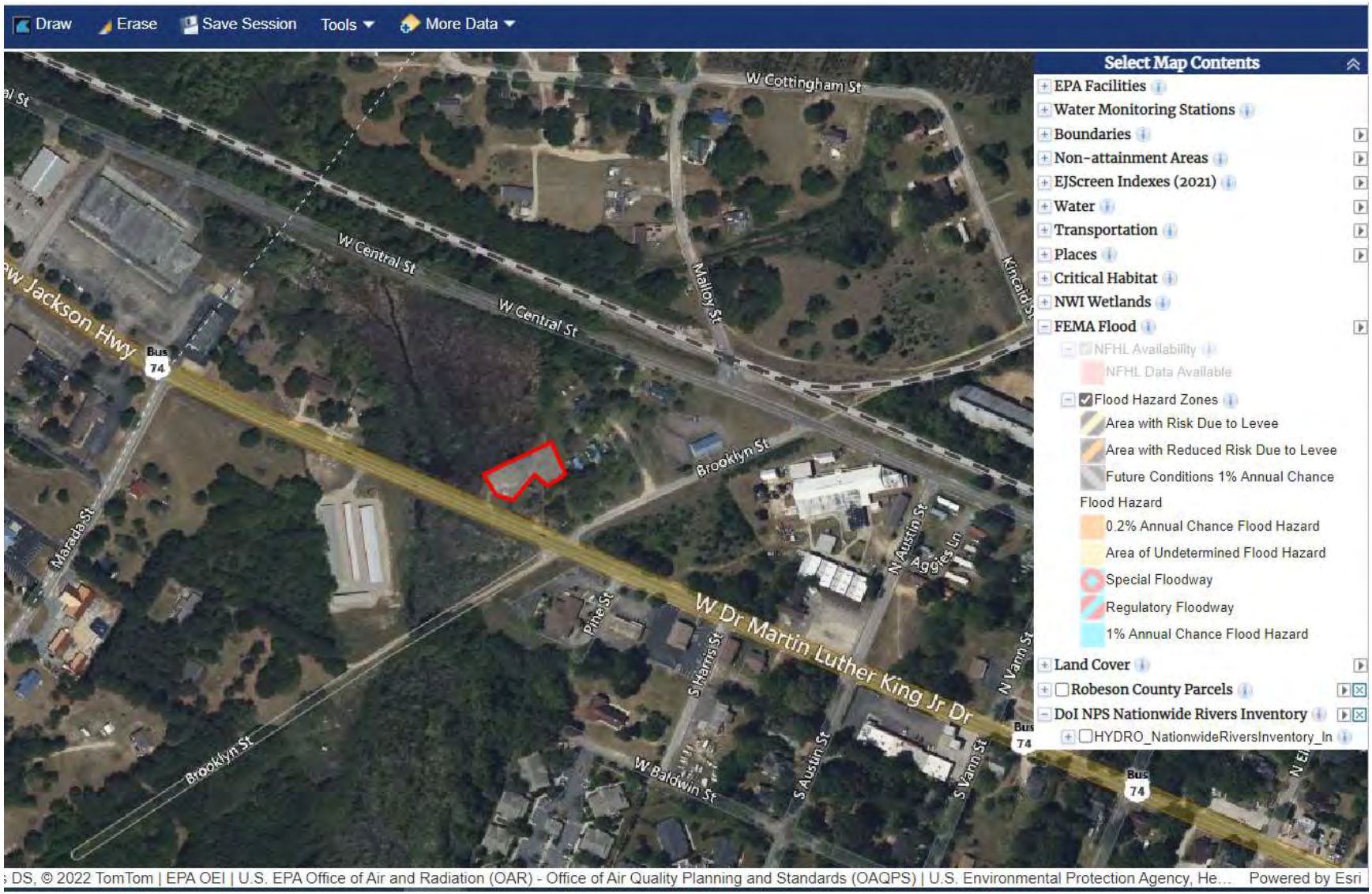
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/23/2021 at 9:32 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Maxton Sewer Lift Station No. 7

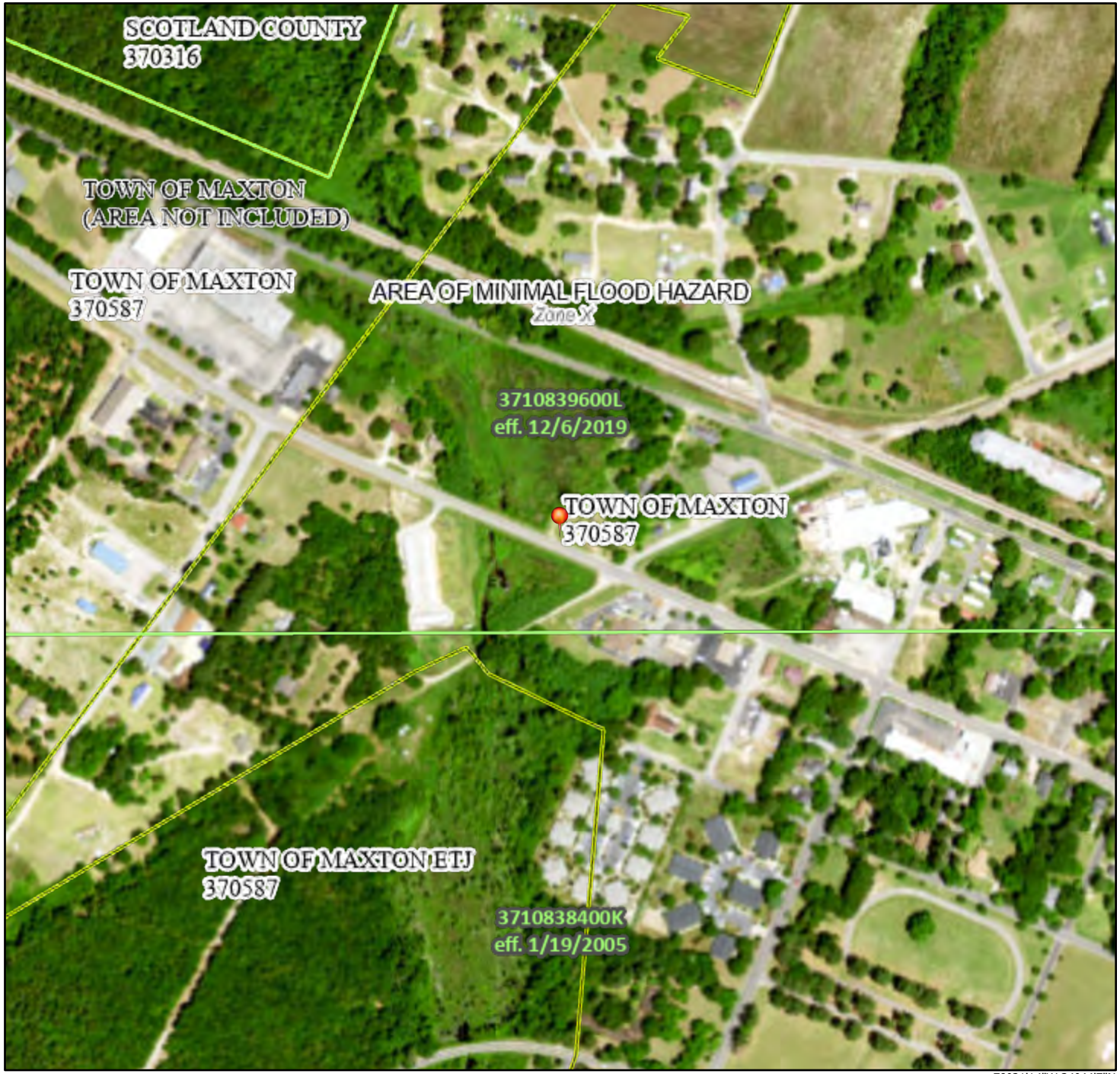
904 US 74 BUS, Maxton, NC 28364

Maxton Sewer Lift Station No. 7, 904 US 74 BUS, Maxton, NC 28364 - FEMA FIRM



National Flood Hazard Layer FIRMette

79°21'52"W 34°44'36"N



79°21'14"W 34°44'7"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

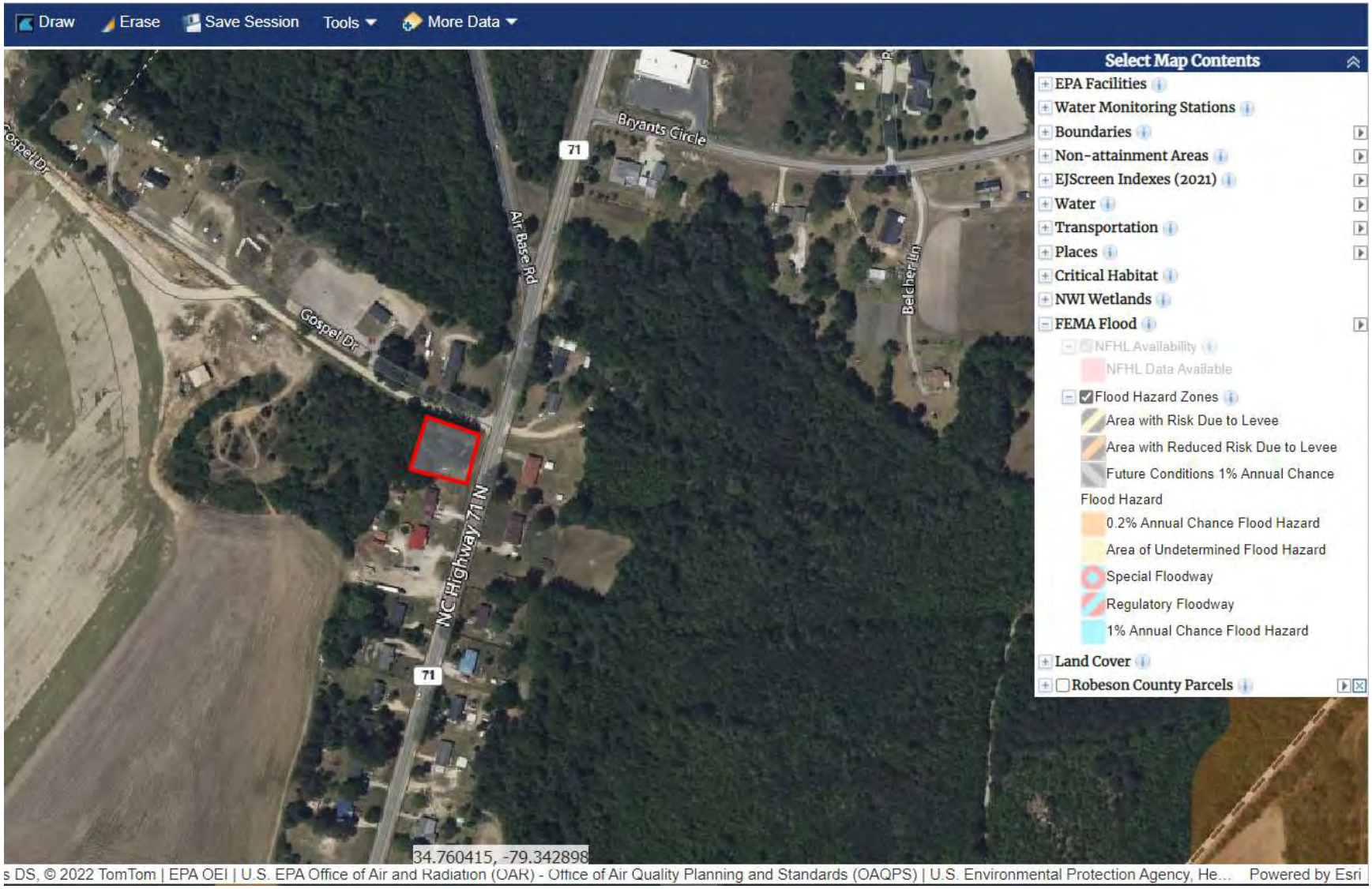
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/23/2021 at 12:39 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Maxton Sewer Lift Station No. 10

627 NC Highway 71N, Maxton, NC 28364

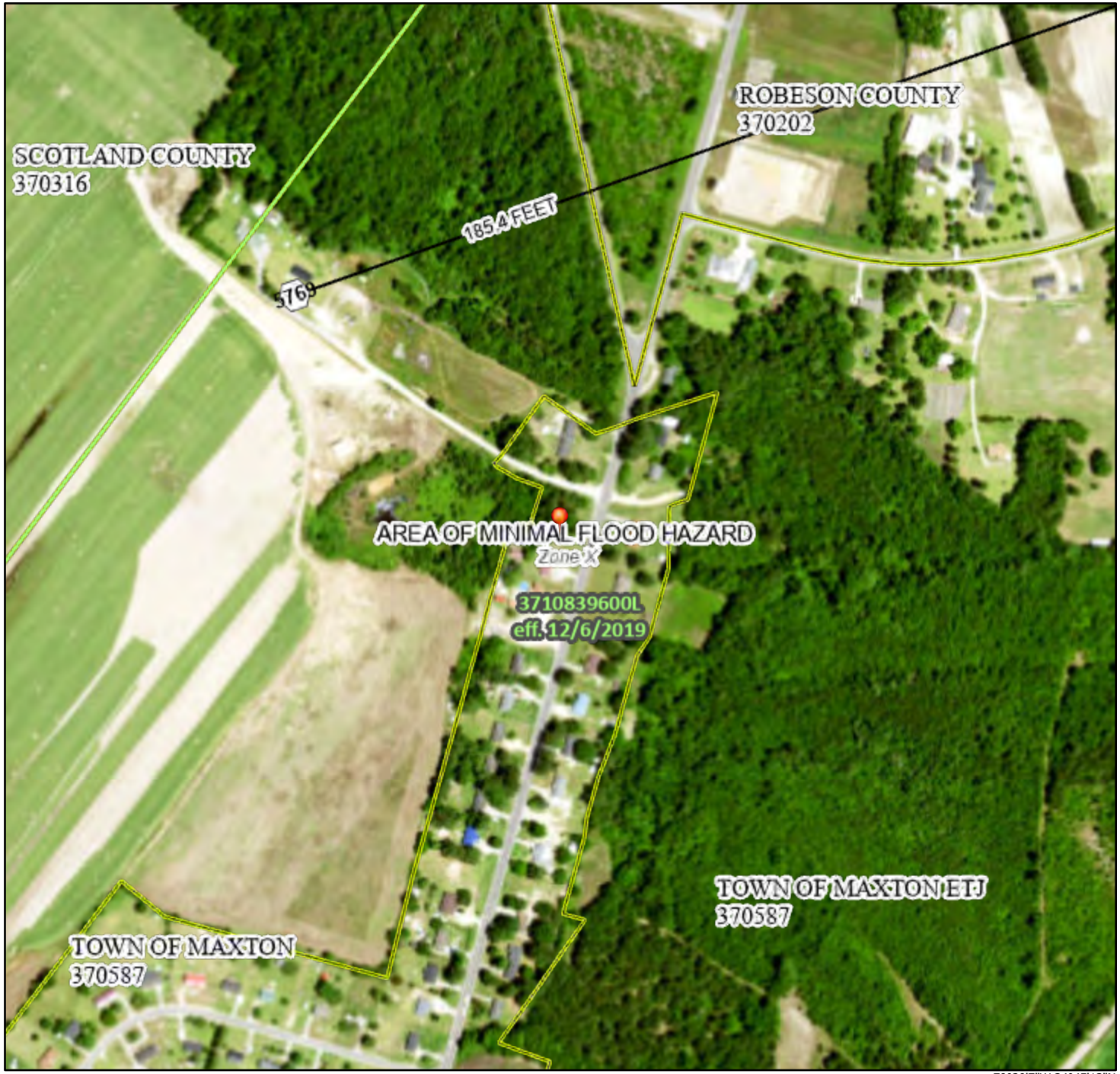
Maxton Sewer Lift Station No. 10, 627 NC Highway 71N, Maxton, NC 28364 - FEMA FIRM



National Flood Hazard Layer FIRMette

FEMA

79°20'45"W 34°45'43"N



79°20'7"W 34°45'13"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
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- Profile Baseline
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MAP PANELS
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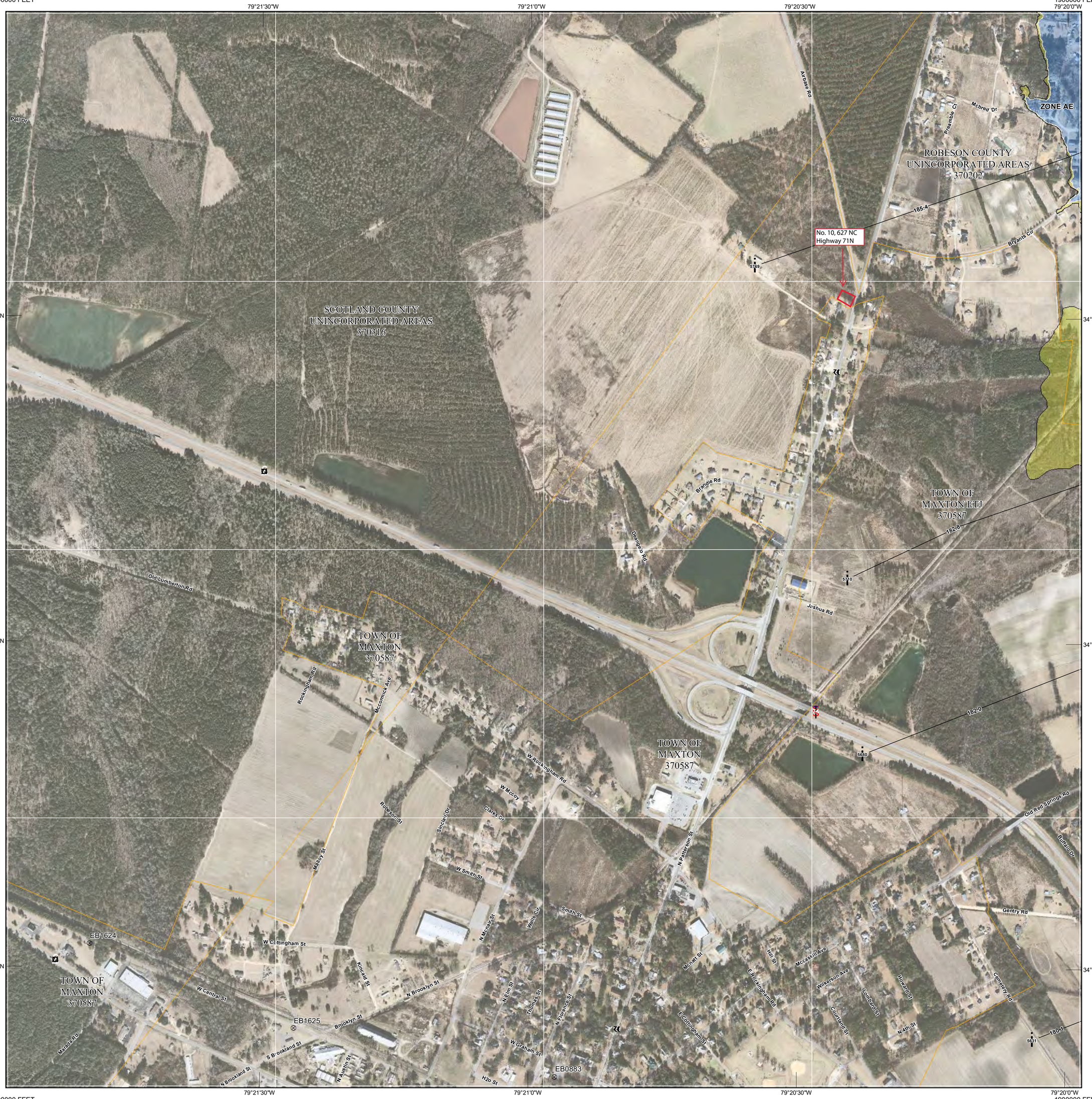

This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of North Carolina and the Federal Emergency Management Agency (FEMA). The State of North Carolina has implemented a long term approach to floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map flood hazard areas at the local level. As a part of this effort, the State of North Carolina has joined in a Cooperating Technical State agreement with FEMA to produce and maintain this digital FIRM.

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT HTTP://FRIS.NC.GOV/FRIS

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- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes *Zone X*

OTHER AREAS

- Areas Determined to be Outside the 0.2% Annual Chance Floodplain *Zone X*

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Accredited or Provisionally Accredited Levee, Dike, or Floodwall
- Non-accredited Levee, Dike, or Floodwall
- BM5510 D — North Carolina Geodetic Survey bench mark
- BM5510 ? — National Geodetic Survey bench mark
- BM5510 Z — Contractor Est. NCFMP Survey bench mark
- 012 — 18.2 — Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
- Coastal Transect
- Coastal Transect Baseline
- Profile Baseline

OTHER FEATURES

- Hydrographic Feature
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at http://msc.fema.gov. An accompanying Flood Insurance Study report, Letter of Map Revision (LOMR) or Letter of Map Amendment (LOMA) revising portions of this panel, and digital versions of this FIRM may be available. Visit the North Carolina Floodplain Mapping Program website at http://www.ncfloodmaps.com, or contact the FEMA Map Service Center.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in the community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the North Carolina Floodplain Mapping Program (NCFMP). The source of this information can be determined from the metadata available in the digital FLOOD database and in the Technical Support Data Notebook (TSDN).

ACCREDITED LEVEE NOTES TO USERS: If an accredited levee note appears on this panel check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at http://www.fema.gov/business/nfip/index.shtm.

PROVISIONALLY ACCREDITED LEVEE NOTES TO USERS: If a Provisionally Accredited Levee (PAL) note appears on this panel, check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations. If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicates the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at http://www.fema.gov/business/nfip/index.shtm.

LIMIT OF MODERATE WAVE ACTION NOTES TO USERS: For some coastal flooding zones the AE Zone category has been divided by a Limit of Moderate Wave Action (LiMWA). The LiMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LiMWA (or between the shoreline and the LiMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

- Limit of Moderate Wave Action (LiMWA)

COASTAL BARRIER RESOURCES SYSTEM (CBRS) NOTE

This map may include approximate boundaries of the CBRS for informational purposes only. Flood insurance is not available within CBRS areas for structures that are newly built or substantially improved on or after the date(s) indicated on the map. For more information see http://www.fws.gov/habitatconservation/coastal_barrier.html, the FIS Report, or call the U.S. Fish and Wildlife Service Customer Service Center at 1-800-344-WILD.

- CBRS Area
- Otherwise Protected Area

SCALE

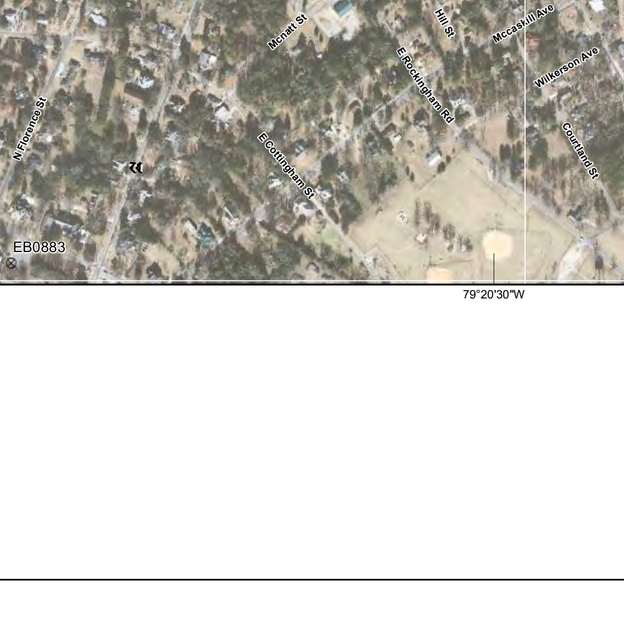
Map Projection:
North Carolina State Plane Projection Feet (Zone 3200)
Datum: NAD 1983 (Horizontal), NAVD 1988 (Vertical)

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

PANEL LOCATOR



FEMA

National Flood Insurance Program

NORTH CAROLINA FLOODPLAIN MAPPING PROGRAM
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

NORTH CAROLINA

PANEL 8396

Panel Contains:

COMMUNITY	CID	PANEL	SUFFIX
MAXTON, TOWN OF	370587	8396	L
ROBESON COUNTY	370202	8396	L
SCOTLAND COUNTY	370316	8396	L

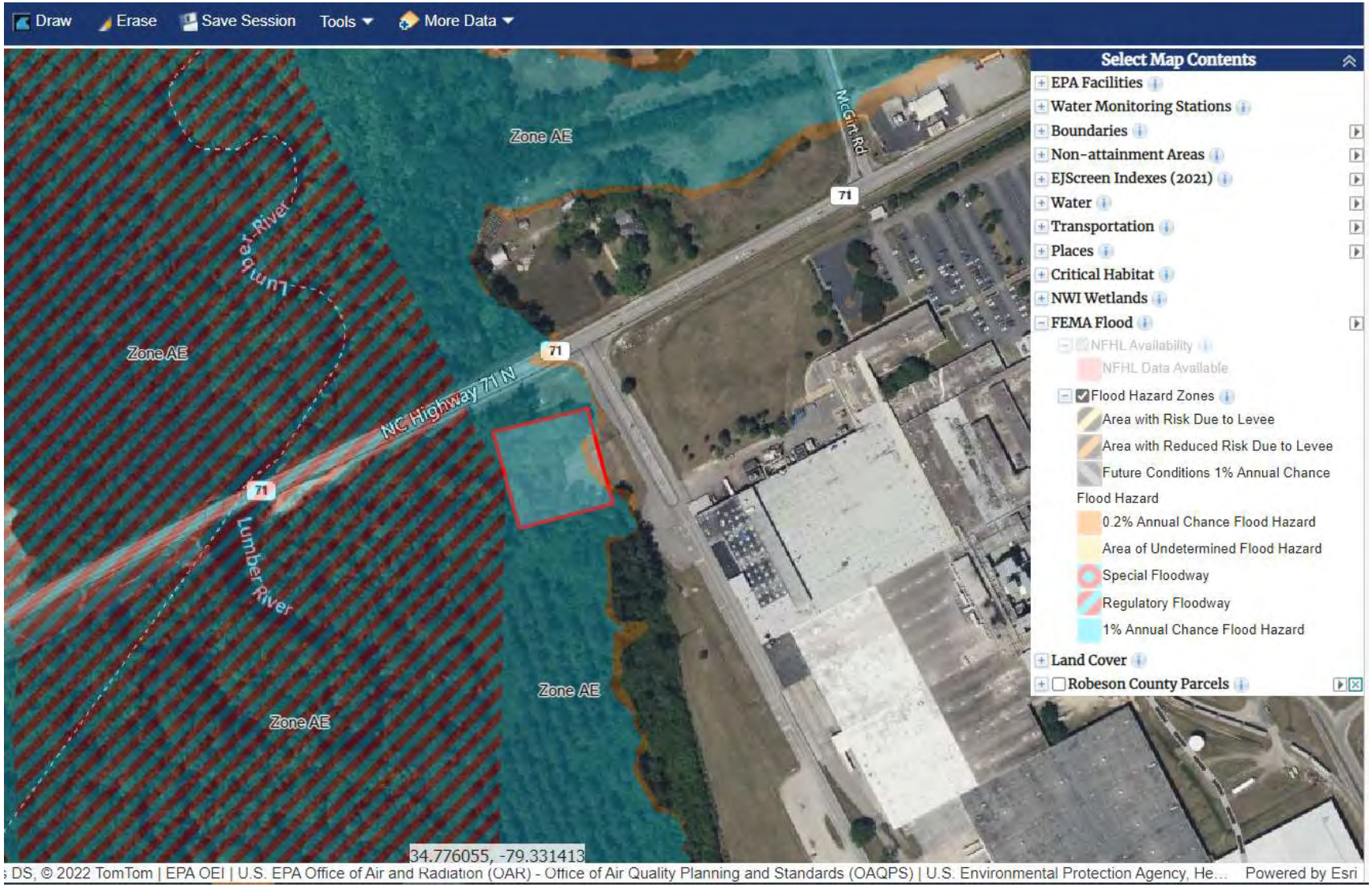
PRELIMINARY
08/29/2014

MAP NUMBER
3710839600L

Maxton Sewer Lift Station No. 11

2074 NC Highway 71N, Maxton, NC 28364

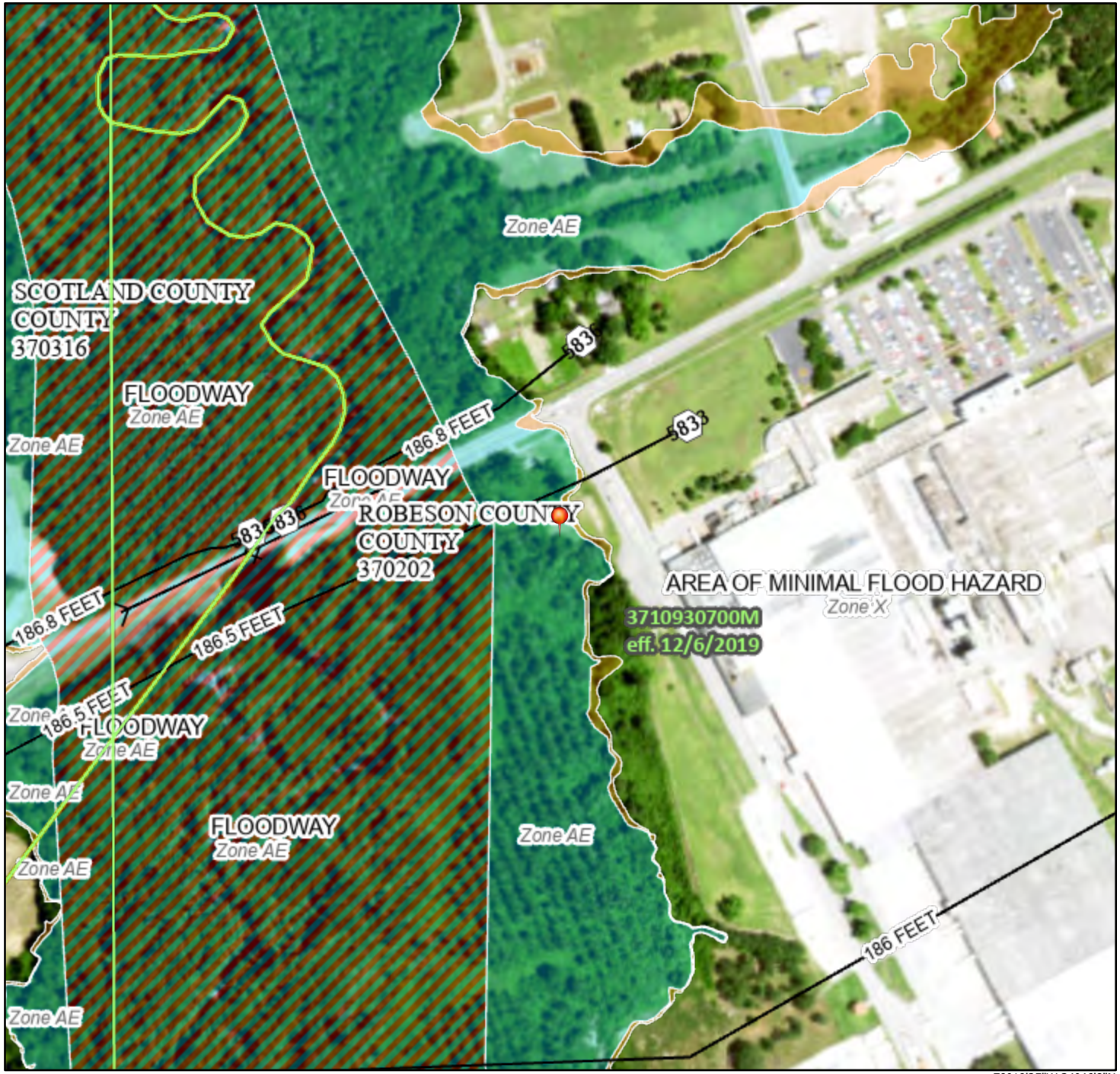
Maxton Sewer Lift Station No. 11, 2074 NC Highway 71N, Maxton, NC 28364 - FEMA FIRM



National Flood Hazard Layer FIRMette

FEMA

79°20'2"W 34°46'38"N



79°19'25"W 34°46'8"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/2/2023 at 4:38 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

NORTH CAROLINA Cooperating Technical State
FEMA'S COOPERATING TECHNICAL PARTNER

This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of North Carolina and the Federal Emergency Management Agency (FEMA). The State of North Carolina has implemented a long term approach to floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map flood hazard areas at the local level. As a part of this effort, the State of North Carolina has joined in a Cooperating Technical State agreement with FEMA to produce and maintain this digital FIRM.

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT HTTP://FRIS.NC.GOV/FRIS

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A,V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with Average Depth Less Than One Foot or With Drainage Areas of Less Than One Square Mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee See Notes *Zone X*

OTHER AREAS
- Areas Determined to be Outside the 0.2% Annual Chance Floodplain *Zone X*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Accredited or Provisionally Accredited Levee, Dike, or Floodwall
- Non-accredited Levee, Dike, or Floodwall
- BM5510 North Carolina Geodetic Survey bench mark
- BM5510 National Geodetic Survey bench mark
- BM5510 Contractor Est. NCFMP Survey bench mark
- 012 18.2 Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
- 8 Coastal Transect
- Coastal Transect Baseline
- Profile Baseline

OTHER FEATURES
- Hydrographic Feature
- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at http://msc.fema.gov. An accompanying Flood Insurance Study report, Letter of Map Revision (LOMR) or Letter of Map Amendment (LOMA) revising portions of this panel, and digital versions of this FIRM may be available. Visit the North Carolina Floodplain Mapping Program website at http://www.ncfloodmaps.com, or contact the FEMA Map Service Center.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in the community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the North Carolina Floodplain Mapping Program (NCFMP). The source of this information can be determined from the metadata available in the digital FLOOD database and in the Technical Support Data Notebook (TSDN).

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Limit of Moderate Wave Action (LiMWA)

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CBRS Area

Otherwise Protected Area

SCALE

Map Projection:
North Carolina State Plane Projection Feet (Zone 3200)
Datum: NAD 1983 (Horizontal), NAVD 1988 (Vertical)

1 inch = 500 feet 1:6,000

0 250 500 1,000 Feet

0 75 150 300 Meters

PANEL LOCATOR

NORTH CAROLINA FLOODPLAIN MAPPING PROGRAM
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

NORTH CAROLINA

PANEL 9307

FEMA

Panel Contains:

COMMUNITY	CID	PANEL	SUFFIX
ROBESON COUNTY	370202	9307	M
SCOTLAND COUNTY	370316	9307	M

PRELIMINARY
08/29/2014

MAP NUMBER
3710930700M

Community Status Book Report

Communities Participating in the National Flood Program

NORTH CAROLINA

CID	Community Name	County	Init FHBM Identified	Init FIRM Identified	Curr Eff Map Date	Reg-Emer Date	Tribal	CRS Entry Date	Curr Eff Date	Curr Class	% Disc SFHA	% Disc Non SFHA
370091K	PINETOPS, TOWN OF	EDGECOMBE COUNTY	01/09/74	03/28/80	06/02/15	03/28/80	No					
370160F	PINEVILLE, TOWN OF	MECKLENBURG COUNTY	06/21/74	03/18/87	09/02/15	03/18/87	No	10/01/91	10/01/20	5	25%	10%
370599#	PINK HILL, TOWN OF	LENOIR COUNTY		07/02/04	(NSFHA)	01/26/12	No					
370372L	PITT COUNTY *	PITT COUNTY	06/30/78	01/06/83	06/19/20	01/06/83	No	10/01/02	10/01/18	8	10%	05%
370420K	PITTSBORO, TOWN OF	CHATHAM COUNTY	10/20/78	02/02/07	11/17/17	02/02/07	No					
370618#	PLEASANT GARDEN, TOWN OF	GUILFORD COUNTY		06/18/07	03/16/09	03/17/09	No					
370249#	PLYMOUTH, TOWN OF	WASHINGTON COUNTY	05/20/77	08/19/85	02/04/09	08/19/85	No	10/01/94	10/01/99	8	10%	05%
370194#	POLK COUNTY*	POLK COUNTY	11/29/74	01/01/87	10/02/08	01/01/87	No					
370286#	POLKTON, TOWN OF	ANSON COUNTY	02/10/78	09/03/08	10/16/08	08/20/08	No					
370634#	POLKVILLE, TOWN OF	CLEVELAND COUNTY		02/20/08	02/20/08	03/22/12	No					
370142K	POLLOCKSVILLE, TOWN OF	JONES COUNTY	03/15/74	09/04/86	06/15/22	09/04/86	No					
370485J	PRINCETON, TOWN OF	JOHNSTON COUNTY		10/20/00	06/20/18	02/14/97	No					
370318K	PRINCEVILLE, TOWN OF	EDGECOMBE COUNTY	07/25/75	04/15/80	06/02/15	04/15/80	No					
370635#	PROCTORVILLE, TOWN OF	ROBESON COUNTY		01/19/05	01/05/07	10/24/12	No					
370132#	RAEFORD, CITY OF	HOKE COUNTY	12/20/74	06/03/86	12/18/07	06/03/86	No					
370243N	RALEIGH, CITY OF	WAKE COUNTY	06/28/74	08/15/78	07/19/22	08/15/78	No	10/01/91	10/01/14	10		0%
370198#	RAMSEUR, TOWN OF	RANDOLPH COUNTY	02/15/74	03/01/87	03/16/09	03/01/87	No					
370199#	RANDLEMAN, CITY OF	RANDOLPH COUNTY	11/22/74	07/01/87	03/16/09	07/01/87	No					
370195C	RANDOLPH COUNTY *	RANDOLPH COUNTY	01/03/75	07/16/81	11/17/17	07/16/81	No					
370324#	RANLO, TOWN OF	GASTON COUNTY	06/27/75	03/03/03	11/04/09	03/03/03	No					
370079#	RED CROSS, TOWN OF	STANLY COUNTY		09/03/08	06/16/09	07/29/10	No					
370516#	RED OAK, TOWN OF	NASH COUNTY		01/20/82	06/18/13	01/22/99	No					
370204#	RED SPRINGS, TOWN OF	ROBESON COUNTY	04/01/77	05/01/87	01/05/07	05/01/87	No					
370209#	REIDSVILLE, CITY OF	ROCKINGHAM COUNTY	08/01/75	09/29/78	09/28/07	09/29/78	No					
370643#	RENNERT, TOWN OF	ROBESON COUNTY		01/19/05	01/05/07	06/23/11	No					
370041#	RHODHISS, TOWN OF	BURKE COUNTY/CALDWELL COUNTY	06/21/74	07/03/86	07/07/09	07/03/86	No					
370176#	RICH SQUARE, TOWN OF	NORTHAMPTON COUNTY		02/04/09	(NSFHA)	04/25/19	No					
370511#	RICHFIELD, TOWN OF	STANLY COUNTY		09/21/00	06/16/09(M)	01/31/12	No					
370341K	RICHLANDS, TOWN OF	ONSLOW COUNTY	07/11/75	07/03/86	06/19/20	07/03/86	No					
370348#	RICHMOND COUNTY*	RICHMOND COUNTY	07/28/78	09/06/89	07/07/14	09/06/89	No					
370432K	RIVER BEND, TOWN OF	CRAVEN COUNTY	05/14/82	08/19/86	06/15/22	08/19/86	No	05/01/10	05/01/10	8	10%	05%
370117#	ROANOKE RAPIDS, CITY OF	HALIFAX COUNTY	03/08/74	04/17/78	02/04/09	04/17/78	No					
370166#	ROBBINS, TOWN OF	MOORE COUNTY	11/22/74	07/03/86	01/02/08	07/03/86	No					
370106#	ROBBINSVILLE, TOWN OF	GRAHAM COUNTY	06/14/74	12/01/89	04/19/10	12/01/89	No					
370156#	ROBERSONVILLE, TOWN OF	MARTIN COUNTY	06/07/74	07/01/87	02/04/09	07/01/87	No					
370202K	ROBESON COUNTY *	ROBESON COUNTY	07/28/78	02/17/89	12/06/19	02/17/89	No					
370350#	ROCKINGHAM COUNTY*	ROCKINGHAM COUNTY	06/16/78	05/15/91	01/02/09	05/15/91	No					
370201#	ROCKINGHAM, CITY OF	RICHMOND COUNTY	06/11/76	09/06/89	09/03/08	09/06/89	No					
370214#	ROCKWELL, TOWN OF	ROWAN COUNTY	03/08/74	05/15/78	06/16/09	05/15/78	No					
370092#	ROCKY MOUNT, CITY OF	EDGECOMBE COUNTY/NASH COUNTY	03/01/74	05/01/78	06/18/13	05/01/78	No	10/01/92	10/01/19	7	15%	05%
	THE TOWN OF BATTLEBORO (370088) , EDGECOMBE COUNTY, WAS MERGED INTO THE CITY OF ROCKY MOUNT EFFECTIVE 7-1-96.											
370468K	ROLESVILLE, TOWN OF	WAKE COUNTY		03/03/92	07/19/22	07/31/01	No					
370258#	RONDA, TOWN OF	WILKES COUNTY	09/06/74	07/03/86	12/03/09(M)	07/03/86	No					
370421#	ROPER, TOWN OF	WASHINGTON COUNTY	06/21/74	08/05/85	02/04/09	08/05/85	No	10/01/94	10/01/99	8	10%	05%
	FORMERLY UNDER WASHINGTON COUNTY											
370375#	ROSE HILL, TOWN OF	DUPLIN COUNTY		02/16/06	02/16/07	07/17/06	No					
375358#	ROSMAN, TOWN OF	TRANSYLVANIA COUNTY	06/03/72	06/02/72	04/19/10	06/02/72	No					
370351B	ROWAN COUNTY *	ROWAN COUNTY	07/28/78	11/01/79	11/16/18	11/01/79	No					
370347K	ROXBORO, CITY OF	PERSON COUNTY	01/13/78	09/14/90	12/06/19	03/25/91	No					
370605#	ROXOBEL, TOWN OF	BERTIE COUNTY		02/04/09	08/03/09	02/04/09	No					

ATTACHMENT 5:

North Carolina Nonattainment/ Maintenance Status for Each County by Year for All Criteria Pollutants and EPA NC Radon Level Map

North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of May 31, 2023

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m^3) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:
NORTH CAROLINA GO

Robeson County is not listed below.

Important Notes

Download National Dataset: dbf | xls | Data dictionary (PDF)

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
NORTH CAROLINA								
Cabarrus County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04 05 06 07 08 09 10 11 12 13	01/02/2014	Moderate	Whole	178,011	37/025
Cabarrus County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	12 13 14	08/27/2015	Marginal	Part	176,928	37/025
Catawba County	PM-2.5 (1997)-NAAQS revoked	Hickory-Morganton-Lenoir, NC	05 06 07 08 09 10	12/19/2011 *	Former Subpart 1	Whole	154,358	37/035
Chatham County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	04 05 06	12/26/2007	Former Subpart 1	Part	32,372	37/037
Davidson County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	162,878	37/057
Davidson County	PM-2.5 (1997)-NAAQS revoked	Greensboro-Winston Salem-High Point, NC	05 06 07 08 09 10	12/19/2011 *	Former Subpart 1	Whole	162,878	37/057

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Davie County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Part	1	37/059
Durham County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Whole	267,587	37/063
Durham County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	267,587	37/063
Durham County	Carbon Monoxide (1971)	Raleigh-Durham, NC	929394	09/18/1995	Moderate <= 12.7ppm	Whole	267,587	37/063
Edgecombe County	8-Hour Ozone (1997)-NAAQS revoked	Rocky Mount, NC	040506	01/05/2007	Former Subpart 1	Whole	56,552	37/065
Forsyth County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	350,670	37/067
Forsyth County	Carbon Monoxide (1971)	Winston-Salem, NC	9293	11/07/1994	Moderate <= 12.7ppm	Whole	350,670	37/067
Franklin County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	60,619	37/069
Gaston County	1-Hour Ozone (1979)-NAAQS revoked	Charlotte-Gastonia, NC	929394	07/05/1995	Moderate	Whole	206,086	37/071
Gaston County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	040506070809101112 13	01/02/2014	Moderate	Whole	206,086	37/071
Gaston County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	12 13 14	08/27/2015	Marginal	Part	190,849	37/071

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Granville County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Part	17,725	37/077
Granville County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	59,916	37/077
Guilford County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	488,406	37/081
Guilford County	PM-2.5 (1997)-NAAQS revoked	Greensboro-Winston Salem-High Point, NC	0506070809 10	12/19/2011 *	Former Subpart 1	Whole	488,406	37/081
Haywood County	8-Hour Ozone (1997)-NAAQS revoked	Haywood and Swain Counties (Great Smoky NP), NC	040506070809	01/06/2010	Former Subpart 1	Part	985	37/087
Iredell County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	040506070809101112 13	01/02/2014	Moderate	Part	68,089	37/097
Iredell County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	65,899	37/097
Johnston County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	168,878	37/101
Lincoln County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	040506070809101112 13	01/02/2014	Moderate	Whole	78,265	37/109
Lincoln County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	64,189	37/109

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Mecklenburg County	1-Hour Ozone (1979)-NAAQS revoked	Charlotte-Gastonia, NC	929394	07/05/1995	Moderate	Whole	919,628	37/119
Mecklenburg County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	040506070809101112 13	01/02/2014	Moderate	Whole	919,628	37/119
Mecklenburg County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	12 13 14	08/27/2015	Marginal	Whole	919,628	37/119
Mecklenburg County	Carbon Monoxide (1971)	Charlotte, NC	929394	09/18/1995	Not Classified	Whole	919,628	37/119
Nash County	8-Hour Ozone (1997)-NAAQS revoked	Rocky Mount, NC	040506	01/05/2007	Former Subpart 1	Whole	95,840	37/127
Orange County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	133,801	37/135
Person County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	39,464	37/145
Rowan County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	040506070809101112 13	01/02/2014	Moderate	Whole	138,428	37/159
Rowan County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	12 13 14	08/27/2015	Marginal	Part	130,057	37/159
Swain County	8-Hour Ozone (1997)-NAAQS revoked	Haywood and Swain Counties (Great Smoky NP), NC	040506070809	01/06/2010	Former Subpart 1	Part	3,288	37/173
Union County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	040506070809101112 13	01/02/2014	Moderate	Whole	201,292	37/179

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Union County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	12 13 14	08/27/2015	Marginal	Part	176,055	37/179
Wake County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	92 93	06/17/1994	Moderate	Whole	900,993	37/183
Wake County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	04 05 06	12/26/2007	Former Subpart 1	Whole	900,993	37/183
Wake County	Carbon Monoxide (1971)	Raleigh-Durham, NC	92 93 94	09/18/1995	Moderate <= 12.7ppm	Whole	900,993	37/183

Important Notes

Discover. **Connect.** **Ask.** **Follow.**

2023-05-31

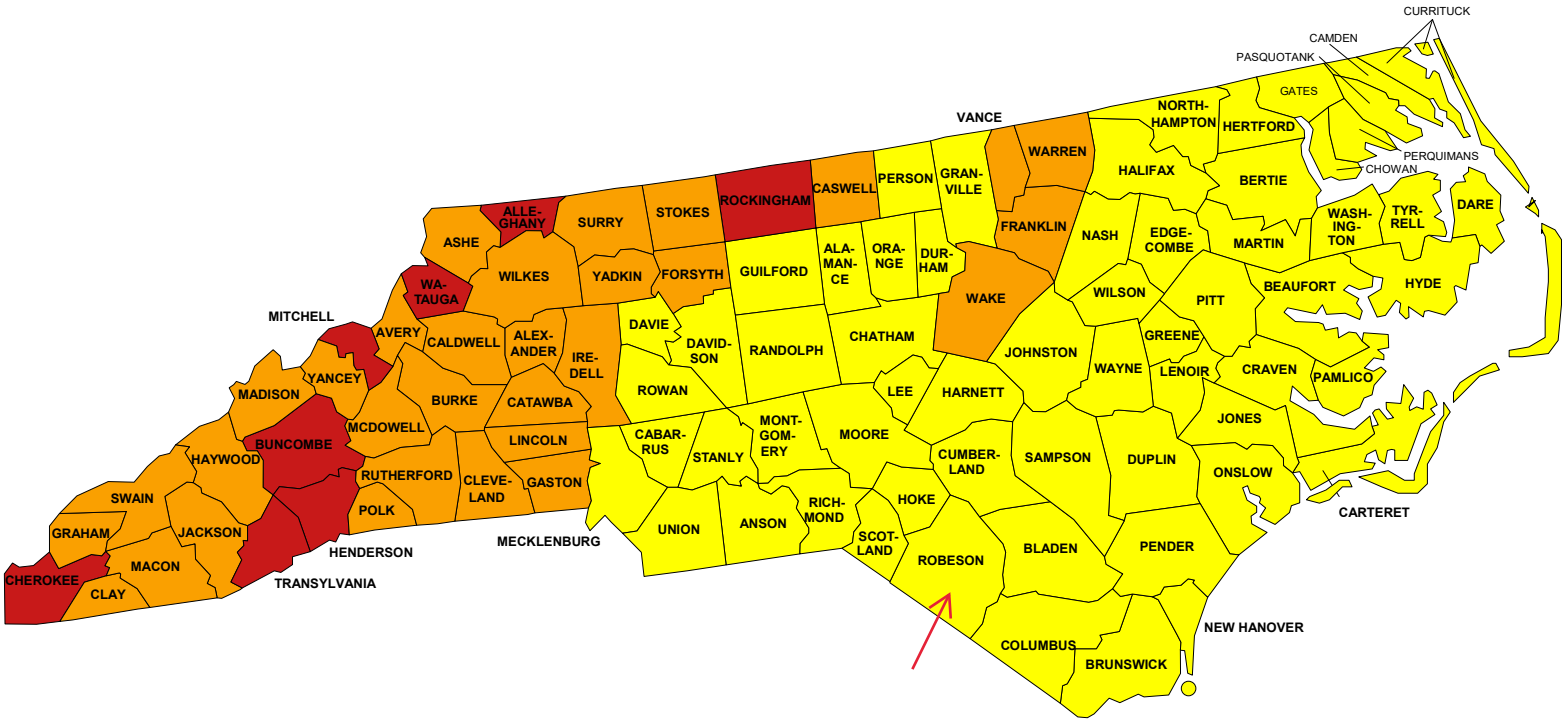
NORTH CAROLINA - EPA Map of Radon Zones

http://www.epa.gov/radon/zonemap.html

The purpose of this map is to assist National, State and local organizations to target their resources and to implement radon-resistant building codes.

This map is not intended to determine if a home in a given zone should be tested for radon. Homes with elevated levels of radon have been found in all three zones.

All homes should be tested, regardless of zone designation.



Zone 1 Zone 2 Zone 3

IMPORTANT: Consult the publication entitled "Preliminary Geologic Radon Potential Assessment of North Carolina" (USGS Open-file Report 93-292-D) before using this map. http://energy.cr.usgs.gov/radon/grpinfo.html This document contains information on radon potential variations within counties. EPA also recommends that this map be supplemented with any available local data in order to further understand and predict the radon potential of a specific area.

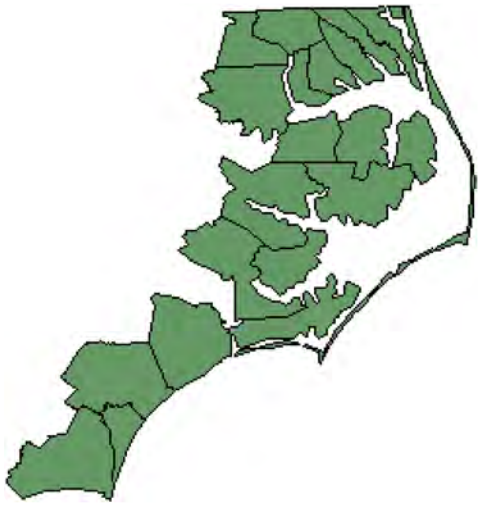
ATTACHMENT 6:

Division of Coastal Zone Management Counties Map and List

NORTH CAROLINA
Environmental Quality

CAMA Counties

The following counties are subject to the rules and policies of the Coastal Resources Commission, which administers the Coastal Area Management Act. If you are planning to develop in one of these counties, check to see whether your project is also in an Area of Environmental Concern (https://deq.nc.gov/about/divisions/coastal-management/coastal-management-rules/coastal-development-rules). If it is, you may need a CAMA permit.

CAMA Counties		
• Beaufort • Bertie • Brunswick • Camden • Carteret • Chowan • Craven • Currituck • Dare • Gates	• Hertford • Hyde • New Hanover • Onslow • Pamlico • Pasquotank • Pender • Perquimans • Tyrrell • Washington	

Showing 1 to 1 of 1 entries

About Coastal Management

ATTACHMENT 7:

Contamination and Toxic Substances

Town of Maxton Sewer Lift Station Generators HUD Environmental Standards Review, Site Inspection Documentation, NEPAssist EPA Facilities Reports with 1-mile and 0.5-mile Buffers, NC DEQ DWM Site Locator Reports with 1-mile, 0.5-mile and 3,000-foot Buffers, Facility Reports, and Historic Aerials

Town of Maxton Sewer Lift Station Generators HUD Environmental Standards Review

Subject Property Address:
Four existing sewer lift stations in Maxton, Robeson County, NC, at

Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC
Maxton Sewer Lift Station No. 7, 904 US 74 Business, Maxton, NC
Maxton Sewer Lift Station No. 10, 627 NC Highway 71N, Maxton, NC
Maxton Sewer Lift Station No. 11, 2074 NC Highway 71N, Maxton, NC

Introduction

The purpose of this review is to ensure that the project complies with U.S. Department of Housing and Urban Development (HUD) environmental standards in relation to 24 CFR Part 58.5. Properties that are proposed for use in HUD programs "must be free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the property."

A desktop review was performed to identify whether the Subject Property referenced in the title of this document complies with the following criteria:

(i) is not Listed on an U.S. Environmental Protection Agency (EPA) Superfund National Priorities or Comprehensive Environmental Response Superfund National Priorities or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) List, or equivalent State list;
(ii) is not located within 3,000 feet of a toxic or solid waste landfill site;
(iii) does not have an underground storage tank; and
(iv) is not known or suspected to be contaminated by toxic chemicals or radioactive materials.

Summary of Findings

Subject Property Records Review

EPA Records: According to NEPAssist, the Subject Properties are not identified on a list of Superfund National Priorities or Comprehensive Environmental Response Superfund National Priorities or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) List, or equivalent State list compiled by the U.S. EPA. A review of the U.S. EPA Facilities Database provides no indication of past uses of the Subject Properties that could have contaminated the Subject Properties or could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties.

North Carolina Department of Environmental Quality (NC DEQ) Records: The NC DEQ Division of Waste Management (DWM) UST Section, Fayetteville Regional Office, does not have records of a petroleum release for any of the listed physical addresses provided for this project number, nor are there any records of registered USTs. Notification of the proper regional office is requested by NC DEQ DWM if "orphan" underground storage tanks (USTs) are discovered during any excavation operation.

County/Region/Town Records: None.

Historic Aerials: The existing facilities seem to be the first development on the Subject Properties, with no previous residential, commercial, or industrial structure visible in historic aerials prior to the construction

of the sewer lift stations. Maxton **SLS No. 5** appears to be used partially for hay storage onsite in the February 1999 and January 1993 aerials. There is no past use visible in historical aerials that could pose a hazard that could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties as sewer lift stations. Some of the historic aerials reviewed are included in **Attachment 7**.

Site Inspection: A site inspection was performed on the Subject Properties on January 14, 2023 by Bill Blankenship, Project Manager, HGA, LLC, and hazards were identified associated with the sewer lift stations. Site Visit Questionnaires have been completed and are included in the **Attachment 7**. The Maxton sewer lift stations (**SLS**) **Nos. 5, 7, 10,** and **11** had identified site hazards/conditions including: 1) Sewer Lift Station with underground pipe connections; 2) Stormwater Drain with cover slab; 3) Grass-covered gravel driveway; and 4) Security fencing topped with barbwire. The Maxton **SLS No. 5** also had fencing damaged in the northwest corner by falling limbs. None of the sites contain aboveground or underground storage tanks. The sites have been filled and graded during original construction of the sewer lift stations. In addition, there is no evidence of historic land uses or hazards on the sites that could pose a hazard during construction. Thus, no hazards were present during the site inspection that would pose a hazard that could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties as sewer lift stations.

Site History: The Subject Properties contain four existing, fenced-in sewer lift stations and there is no proposed change in land use. The Maxton **SLS No. 5** was built in 1967. Maxton **SLS Nos. 7**, **10**, and **11** were built in 1980. The proposed project only provides installation of auxiliary power generators at the sewer lift stations.

Surrounding Properties Records Review

EPA Records: There are no federal Superfund, Brownfields, Toxic Release Inventory (TRI), NPDES water discharger or Air Emission sites located within a ***0.5-mile*** radius of Maxton **SLS No. 5** according to NEPAssist. Within a ***1-mile*** radius of Maxton **SLS Nos. 5** and **7**, there are no federal Superfund Brownfields, or NPDES sites according to NEPAssist. The TRI and RCRA site near Maxton **SLS Nos. 5** and **7**, *Regal-Beloit Corp. National Twist Drill Division*, is a Very Small Quantity Generator (VSQG) with no violations reported. This facility as a VSQG with no recent violations would not pose a hazard or conflict with the intended utilization of the Subject Property. The Air Emission site near Maxton **SLS Nos. 5** and **7** is *Hasty Plywood Co. Inc.* which has minor emissions and no violations since January 2018. This facility would not pose a hazard or conflict with the intended utilization of the Subject Properties because the nature of the release to air and no recent violations. There are no federal Superfund, Brownfields or NPDES water discharger sites located within a ***0.5-mile radius*** of Maxton **SLS No. 7** according to NEPAssist. Within a ***1-mile radius*** of Maxton **SLS No. 7**, there is an additional Air Emissions site, *Maxton Textile Finishing*, which has minor emissions and no violations. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the nature of the release to air and no violations. There is also a Formerly Used Defense Site (FUDS), *Laurinburg-Maxton AB*, located approximately one mile from Maxton **SLS No. 7** which might have munitions on base. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because no proposed project activities will occur on base. There are no federal Superfund, Brownfields, TRI, NPDES water discharger, RCRA, or Air Emission sites located within a ***0.5-mile*** and ***1-mile*** radius of Maxton **SLS No. 10** according to NEPAssist. There is a FUDS/Munitions Response Site, *Laurinburg-Maxton AB*, approximately 0.72- mile from Maxton **SLS No. 10** which might have munitions on base. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because no proposed project activities will occur on base. Within a ***0.5-mile*** and ***1-mile*** radius of Maxton **SLS No. 11**, there are no federal Superfund or Brownfields

sites according to NEPAssist. There are two water dischargers (NPDES), the *Maxton WWTP* and *Campbell Soup Supply Company*, within a one-mile radius of Maxton **SLS No. 11**. The *Maxton WWTP* has a current NPDES Individual Permit as a Municipal or Water System Sewerage System that expires on July 31, 2024. The proposed project will help enable the Maxton WWTP to achieve compliance during future storm events by minimizing releases of sewage into the community. The proposed project will ensure that fully functioning sewer infrastructure may continue during loss of primary power and alleviate a severe threat to public welfare and safety during future storm events. The *Campbell Soup Supply Company* as a NPDES water discharger, TRI site, and RCRA SQG has no violations for the last 12 quarters. *Campbell Soup* has been in noncompliance with the Clean Air Act as an Air Emission site for four out of 12 quarters, one being a significant violation, and three informal enforcement actions and one formal enforcement action in the last five years. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the nature of the release to air and no violations as a NPDES water discharger, TRI site, and RCRA SQG. *Silgan Containers Manufacturing Corp.* is a TRI site, air emissions site, and RCRA large quantity generator (LQG) with the same address as *Campbell Soup*. *Silgan* has been in noncompliance with the Clean Air Act as an Air Emission site for one of the last 12 reported quarters and one informal enforcement action, Notice of Violation (NOV), in the last five years. *Silgan* has been in compliance with RCRA and has one informal written enforcement action in the last five years. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the nature of the release to air, no violations as a TRI site, and continuing compliance with RCRA. Thus, no hazards are present in an EPA records review that would pose a hazard that could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties as sewer lift stations.

NC DEQ DWM Records: Maxton SLS No. 5 has one Hazardous Waste Site, one Inactive Hazardous Site, one Dry Cleaning Historical Boiler Inspection site, fourteen UST incidents, one Non-UST incident, six UST Active Facilities, and two Land Use Restriction and/or Notices sites located within ***1-mile*** of the SLS. The Hazardous Waste Site, *Campbell Soup Supply Company*, 2120 NC 71 HWY N., was a RCRA SQG and transferred the container manufacturing business to Silgan Can Company on June 1, 1998 (See EPA records review above). The Inactive Hazardous Site, *Maxton Oil and Fertilizer Company (plant)*, 207 N. McNair St., Maxton, NC, had unpermitted disposal of highly acidic wastewater high in sulfates and organic matter contaminating groundwater at the site since the late 1980s/ early 1990s. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. *Seals Cleaners*, a Dry Cleaning Historical Boiler Inspection, was inspected on November, 4, 1988. For the *J&E Car Wash (former Murphy's Exxon),* Patterson & Saunders St., UST incident #14735, DWM sent a determination that "no clean-up activities are required at this low risk site" on September 22, 1998. There had been a UST release on July 31, 1995 of gasoline contaminating the groundwater. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this low-risk site does not require further clean-up and the proposed project does not require a drinking water supply. The proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. The *Pantry 3018,* 504 West Saunders St., UST incident #23907 involved the release from three gasoline USTs of 8,000-gallon and two 4,000-gallon discovered on March 15, 2000. The site was considered low risk and received a No Further Action (NFA) on June 5, 2000 because no soil contamination is present and low groundwater contamination. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this low-risk site has a NFA and the proposed project does not require a drinking water supply. The *NCDOT – Maxton,* 117 Wilmington St., UST Incident #29094 received a NFA and closure letter on November 23, 2020 for an orphan UST discovered during construction of drainage ditches and sidewalk repairs by NCDOT. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this low-risk site has a NFA and the proposed project does not require a drinking water supply. The *Maxton Mobil (former),* Hwy 74 BUS & Hwy 71, UST Incident #29187/ UST

#FA-2954 received a NFA and notice of residual petroleum letter on March 26, 2013 because soil contamination does not exceed maximum soil contaminant concentrations (MSCCs) and while contaminated groundwater is above the level of Title 15A NCAC 2L.0411 (2L) standards there are no active water supply wells within 1,000 feet of the source area which is also supplied with County water. There is a Land Use Restriction and/or Notice for *Maxton Mobil (former)* UST #FA-2954 recorded March 7, 2013 with the NFA and notice of residual petroleum. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Maxton Well 1,* Elm Street, Maxton, NC*,* UST Incident #29407 involved detection of petroleum hydrocarbon contamination less than 2L standards in Well 1 which has been closed since the Town of Maxton sealed off the upper screen and eliminated it as an entry source. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a closed status and the proposed project does not require a drinking water supply. The *Community Stop 2,* 150 West Martin Luther King Dr., UST Incident #29451 involved a UST leaking gasoline discovered on April 25, 2007. According to a Ground Water Monitoring Report dated July 2022, the site is an intermediate risk with two consecutive sampling events reporting no Gross Contamination Levels. In addition, the contaminant mass has decreased at this site by 49% since May 2011 baseline and has been under monitoring. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The *Minit Shop,* 207 Middle St., UST Incident #29456 has a Ground Water and Soil Assessment Report dated February 22, 2022 reviewing a July 2, 2007 release of unknown product from a leaking UST and soil around the basin will be removed and disposed of due to soil and groundwater contamination. This site is located more than 0.5-mile from the SLS. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The *People's Gas & Oil Card System,* 102 Railroad St., UST Incident #29480 received a NFA and notice of residual petroleum letter on September 8, 2021 because soil contamination does not exceed MSCCs and while contaminated groundwater is above the level of 2L standards there are no active water supply wells within 1,000 feet of the source area which is also supplied with County water. The UST release was discovered in groundwater at the site in November 2007. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Nic's Pic Kwik 4 (B),* 564 N. Patterson St., UST Incident #42236 involved a failed spill bucket test at a diesel UST, and the plume is commingled with #29522. The *Nic's Pic Kwik 4,* 564 N. Patterson St., UST Incident #29522 had a UST leak of unknown product confirmed in June 2008 and a second release on September 13, 2019 and is being monitored (see attached Ground Water Monitoring Report). There is still free product recovery efforts and the site is classified as an intermediate risk. This site is located more than 0.5-mile from the SLS. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. These incidents would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The *D&S Automatic Car Wash Property – NCDOT,* 110 Patterson St., UST # FA-2341 involved USTs discovered during drainage construction, and received a memo dated January 8, 2016 that a NFA letter should have been issued on March 24, 2004. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Maxton Oil and Fertilizer Company (plant)* UST incident #FA-2216 and received a March 1, 1991 letter stating no additional soil excavation and removal is required for a February 20, 1991 diesel UST closure. The *Maxton Oil and Fertilizer Company (plant)* UST incident #FA-2932 received a NFA letter on June 8, 2022 because the after tank closure soil contamination does not exceed the lower of soil-to-groundwater MSCCs in 2L standards and no evidence of petroleum contamination was noted during tank removal. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and closed status, and the proposed project does not require a drinking water supply. The *Elizabeth Odom*

Residence, 804 McCaskill Ave., UST incident #42083 was a residential heating oil release with a NFA and notice of residual petroleum. This site has a Land Use Restriction and/or Notice because it exceeds the residential MSCCs and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Oak Island Transport,* I-74 Near Highway 71 Exit*,* Non-UST incident (AST Incident #92439, UST #FA-88478) received a NFA on October 24, 2018 because contamination doesn't equal or exceed the soil-to-groundwater MSCCs. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this incident has a NFA and the proposed project does not require a drinking water supply.

The *Short Stop Mart,* 504 West Martin Luther King Rd., is an UST Active Facility permitted for a 4,000-gallon Mid-grade gasoline UST, 8,000-gallon Regular gasoline UST and 4,000-gallon Premium gasoline UST. *Nic's Pic Kwik #16,* 150A W Martin Luther King Jr Dr., is an UST Active Facility permitted for five USTs (Diesel, Kerosene, Premium, and two Regular). *Nic's Pic Kwik #4* is an UST Active Facility permitted for six USTs (two Diesel, Kerosene, Premium, and two Regular). The *Minit Shop of Maxton,* 207 Middle St., location is an UST Active Facility with four USTs (Diesel, Premium, and two Regular) that received a NOV for deficiencies involving corrosion protection, spill prevention requirements, compliance reporting, notifications and inspections, leak detection and monitoring equipment calibration, failure to investigate after tightness testing, temporary UST closure maintenance, overfill protections checks, 3rd party tightness tests, double-walled or non-corroding/metal flexible piping installation, piping locator device or method and primary operator training. *Mom's Fish Fry*, 201 Wilmington St., is an UST Active Facility with two gasoline USTs in temporary closure and had received a NOV on January 25, 2018 for failure to complete primary operator training. *Bill's Fast Save,* 1401 Martin Luther King Rd., is listed as an UST Active Facility with three gasoline USTs but a July 17, 2013 compliance report noted no tanks present as they were taken out of service on June 22, 1992. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, potential leaks from these UST Active Facilities are not a concern to the Subject Property. These UST Active Facilities would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply.

Maxton SLS No. 7 has one Inactive Hazardous Site, one Dry Cleaning Historical Boiler Inspection site, fifteen UST incidents, two Non-UST incidents, five UST Active Facilities, and one Land Use Restriction and/or Notices site located within ***1-mile*** of the SLS. Maxton **SLS No. 7** has one Inactive Hazardous Site, four UST incidents, and two UST Active Facilities located within ***0.5-mile*** of the SLS. The Inactive Hazardous Site, *Maxton Oil and Fertilizer Company (plant)*, 207 N. McNair St., Maxton, NC, had unpermitted disposal of highly acidic wastewater high in sulfates and organic matter contaminating groundwater at the site since the late 1980s/ early 1990s. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. *Seals Cleaners*, a Dry Cleaning Historical Boiler Inspection, was inspected on November, 4, 1988. The *Woodsouth Industrial and Wood,* State Rd 1369, UST incident #13266 received a NFA for a diesel release on October 24, 1994. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this incident has a NFA and the proposed project does not require a drinking water supply. For the *J&E Car Wash (former Murphy's Exxon), Patterson & Saunders St.,* UST incident #14735, DWM sent a determination that "no clean-up activities are required at this low risk site" on September 22, 1998. There had been a UST release on July 31, 1995 of gasoline contaminating the groundwater. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this low-risk site does not require further clean-up and the proposed project does not require a drinking water supply. The proposed project site is an existing sewer

lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. The *Moss Trucking Co.*, Old 74 West, UST incident #18180 had residual petroleum in soil detected during the diesel tank removal and closure. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because proposed project activities will not disturb this site's residual soil contamination. The *Pantry 3018*, 504 West Saunders St., UST incident #23907 involved the release from three gasoline USTs of 8,000-gallon and two 4,000-gallon discovered on March 15, 2000. The site was considered low risk and received a NFA on June 5, 2000 because no soil contamination is present and low groundwater contamination. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this low-risk site has a NFA and the proposed project does not require a drinking water supply. The *NCDOT – Maxton,* 117 Wilmington St., UST Incident #29094 received a NFA and closure letter on November 23, 2020 for an orphan UST discovered during construction of drainage ditches and sidewalk repairs by NCDOT. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and closed status and the proposed project does not require a drinking water supply. The *Maxton Mobil (former),* Hwy 74 BUS & Hwy 71, UST Incident #29187/ UST #FA-2954 received a NFA and notice of residual petroleum letter on March 26, 2013 because soil contamination does not exceed MSCCs and while contaminated groundwater is above the level of 2L standards there are no active water supply wells within 1,000 feet of the source area which is also supplied with County water. There is a Land Use Restriction and/or Notice for *Maxton Mobil (former)* UST #FA-2954 recorded March 7, 2013 with the NFA. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Maxton Well 1,* Elm Street, Maxton, NC, UST Incident #29407 involving detection of petroleum hydrocarbon contamination less than 2L standards has been closed since the Town of Maxton sealed off the upper screen and eliminated it as an entry source. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a closed status and the proposed project does not require a drinking water supply. The *Community Stop 2,* 150 West Martin Luther King Dr., UST Incident #29451 involved a UST leaking gasoline discovered on April 25, 2007. According to a Ground Water Monitoring Report dated July 2022, the site is an intermediate risk with two consecutive sampling events reporting no Gross Contamination Levels. In addition, the contaminant mass has decreased at this site by 49% since May 2011 baseline and has been under monitoring. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The *Minit Shop,* 207 Middle St., UST Incident #29456 has a Ground Water and Soil Assessment Report dated February 2022 reviewing a July 2, 2007 release of unknown product from a leaking UST and soil around the basin will be removed and disposed of due to soil and groundwater contamination. This site is located more than 0.5-mile from the SLS. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The *People's Gas & Oil Card System,* 102 Railroad St., UST Incident #29480 received a NFA and notice of residual petroleum letter on September 8, 2021 because soil contamination does not exceed MSCCs and while contaminated groundwater is above the level of 2L standards there are no active water supply wells within 1,000 feet of the source area which is also supplied with County water. The UST release was discovered in groundwater at the site in November 2007. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Nic's Pic Kwik 4 (B),* 564 N. Patterson St., UST Incident #42236 involved a failed spill bucket test at a diesel UST, and the plume is commingled with #29522. The *Nic's Pic Kwik 4,* 564 N. Patterson St., UST Incident #29522 had a UST leak of unknown product confirmed in June 2008 and a second release on September 13, 2019 and is being monitored (see attached Ground Water Monitoring Report). There is still free product recovery efforts and the site is classified as an intermediate risk. This site is located more than 0.5-mile from the SLS. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. These incidents would not pose a

hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The *D&S Automatic Car Wash Property – NCDOT,* 110 Patterson St., UST # FA-2341 involved USTs discovered during drainage construction, and received a memo dated January 8, 2016 that a NFA letter should have been issued on March 24, 2004. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Maxton Oil and Fertilizer Company (plant)* UST incident #FA-2216 and received a March 1, 1991 letter stating no additional soil excavation and removal is required for a February 20, 1991 diesel UST closure. The *Maxton Oil and Fertilizer Company (plant)* UST incident #FA-2932 received a NFA letter on June 8, 2022 because the after tank closure soil contamination does not exceed the lower of soil-to-groundwater MSCCs 2L standards and no evidence of petroleum contamination was noted during tank removal. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and closed status, and the proposed project does not require a drinking water supply. The *Schneider Truck Accident,* US Hwy. 74 West (Mile Marker 189-190), AST Incident #90189, UST #FA-88374 received a NFA on November 24, 2015 because contamination doesn't exceed the soil-to-groundwater MSCCs. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has NFA status. The *Maxton Diesel Release,* Mile Marker 191, Non-UST incident (AST Incident #92434, UST #FA-88470) on April 24, 2018 remediation was completed and no further investigation or remedial excavation were deemed necessary. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has completed remediation.

The *Short Stop Mart,* 504 West Martin Luther King Rd., is an UST Active Facility permitted for a 4,000-gallon Mid-grade gasoline UST, 8,000-gallon Regular gasoline UST and 4,000-gallon Premium gasoline UST. *Nic's Pic Kwik #16,* 150A W Martin Luther King Jr Dr., is an UST Active Facility permitted for five USTs (Diesel, Kerosene, Premium, and two Regular). *Nic's Pic Kwik 4,* 564 N. Patterson St., is an UST Active Facility permitted for six USTs (two Diesel, Kerosene, Premium, and two Regular). The *Minit Shop of Maxton,* 207 Middle St., is an UST Active Facility permitted for four USTs (Diesel, Premium, and two Regular) and received a NOV for deficiencies involving corrosion protection, spill prevention requirements, compliance reporting, notifications and inspections, leak detection and monitoring equipment calibration, failure to investigate after tightness testing, temporary UST closure maintenance, overfill protections checks, 3rd party tightness tests, double-walled or non-corroding/metal flexible piping installation, piping locator device or method and primary operator training. *Mom's Fish Fry*, 201 Wilmington St., is an UST Active Facility with two gasoline USTs in temporary closure and had received a NOV on January 25, 2018 for failure to complete primary operator training. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, potential leaks from these UST Active Facilities are not a concern to the Subject Property. These UST Active Facilities would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply.

Maxton SLS No. 10 has one Pre-regulatory Landfill site, three UST incidents, three Non-UST incidents and one Land Use Restriction and/or Notices site located within ***1-mile*** of the SLS. There is only a UST incident located within ***0.5-mile*** radius of the SLS, *Orphaned Gasoline UST (Dollar General),* 826 NC Hwy. 71 North, #FA-27997 which has no documents available. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. *Sam Bryant (former Dials Grocery),* 1244 Highway 71 North, UST incident #9897 received a NFA eligibility letter on September 14, 2020 for a petroleum underground leak on February 23, 1993. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this incident has a NFA and the proposed project does not require a drinking water supply. The *Elizabeth Odom Residence,* 804 McCaskill Ave., UST incident #42083 was a residential heating oil release has a NFA with notice of

residual petroleum. This site has a Land Use Restriction and/or Notice because it exceeds the residential MSCCs and groundwater contamination meets the cleanup requirements for a low-risk site but exceeds the 2L groundwater quality standards. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Schneider Truck Accident*, US Hwy. 74 West (Mile Marker 189-190), AST Incident #90189, UST #FA-88374 received a NFA on November 24, 2015 because contamination doesn't exceed the soil-to-groundwater MSCCs. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has NFA status. The *Maxton Diesel Release,* Mile Marker 191, Non-UST incident (AST Incident #92434, UST #FA-88470) on April 24, 2018 remediation was completed and no further investigation or remedial excavation were deemed necessary. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has completed remediation. The *Oak Island Transport*, I-74 Near Highway 71 Exit, Non-UST incident (AST Incident #92439, UST #FA-88478) received a NFA on October 24, 2018 because contamination doesn't equal or exceed the soil-to-groundwater MSCCs. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this incident has a NFA and the proposed project does not require a drinking water supply.

The *Maxton Dump,* US 74-Bypass & NC 71, is a **Pre-regulatory Landfill** site located within 3,000 feet of the **SLS No. 10**. The Dump had a water supply well confirmation sampling report dated April 16, 2008 for Well No. 1 for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and 15 metals. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The State Environmental Clearinghouse comments from the NC DEQ DWM on only the Early Notice noted the Brownfields site, *Maxton Feed Mill*, 214 W. Rockingham Road, *within* 1-mile of **SLS No. 10** but is actually located further than 1-mile from **SLS No. 10**. This site is owned by Mountaire Farms Inc., used as a chicken feed mill, and has Land Use Restrictions. Due to the distance from the SLS, this site would not pose a hazard or conflict with the intended utilization of the Subject Property

Maxton **SLS No. 11** has four UST incidents, three Non-UST incidents and two UST Active Facilities within ***1-mile*** of the SLS. Maxton **SLS No. 11** has one UST incident, three Non-UST incidents and two UST Active Facilities located within ***0.5-mile*** of the SLS. The *Corner Store,* Hwy 71 & Sr 1312, UST incident #5099 was a former convenience store with five USTs and evidence of a release was discovered during removal of the final three USTs from the site. Soil and groundwater sampling has been conducted and groundwater has no restrictions but Bromodichloroethane, Chlorodibromomethane, and Chloroform were detected below applicable regulatory values in January 2021. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, any detectable limits are not a concern to the Subject Property. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site is below applicable regulatory values the proposed project does not require a drinking water supply. *McGirt Store,* Hwy 71 And Triska Road, UST incident #12061 received a NFA with residual petroleum notice on July 3, 2010 for a release discovered during tank closure in April 1994. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. *Sam Bryant (former Dials Grocery)*, 1234 Highway 71 North, UST incident #9897 received a NFA eligibility letter on September 14, 2020 for a petroleum underground leak on February 23, 1993. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Campbell Soup* UST incident #FA-2490 an August 16, 1993 NC DEHNR letter required no further soil excavation or removal for removal of a 500-gallon Diesel UST. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has completed remediation and the proposed project does not require a drinking water supply. The *LinkAmerica Express* spill, 2199 NC Hwy 71 North, Non-UST incident does not have documents available for AST Incident #90087 UST #FA-88246 but the address is identified as the same as the *C&P Mini Mart*. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. The *Swift Transportation,* 2120 Hwy 71, petroleum release (AST Incident #96998 UST #FA-96056) received a NFA on May 23, 2023. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property because this site has a NFA and the proposed project does not require a drinking water supply. The *Campbell Soup,* 2120 NC 71 Hwy N., Non-UST incident (AST Incident #90237 UST #FA-88434) was a petroleum-based spray release at the Boiler House facility and has received a NFA on July 19, 2017. This facility would not pose a hazard or conflict with the intended utilization of the Subject Property due to the nature of the release and NFA status. The *Mountaire Farms Feed Truck* (AST Incident #UST #FA-92584) was located on the highway, near Sycamore Church Rd., with no documents available. This incident would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply. *Campbell Soup,* 2120 NC 71 Hwy N., UST Active Facilities has no documents available. *C&P Mini Mart,* 2199 NC 71 N., UST Active Facilities has five tanks (1 diesel, 1 kerosene, 1 premium, and 2 regular petroleum) that were inspected and met compliance requirements on July 21, 2021. Since the proposed project site is an existing sewer lift station that is not using groundwater as a water supply, potential leaks from these UST Active Facilities are not a concern to the Subject Property. These UST Active Facilities would not pose a hazard or conflict with the intended utilization of the Subject Property because the proposed project does not require a drinking water supply.

Thus, these facilities and incidents in the NC DEQ records review are not considered a hazard that could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties as sewer lift stations.

Summary: Based on site visits and review of available environmental and historical records for the Subject Properties and surrounding area, the site is unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Properties as sewer lift stations. Therefore, a Phase I Environmental Site Assessment (ESA) or Phase II ESA is not warranted. As such, no further action is required at this time. Site Inspection Documentation, NEPAssist EPA Facilities Reports with 1-mile and 0.5-mile Buffers, NC DEQ DWM Site Locator Reports with 1-mile, 0.5-mile and 3,000-foot Buffers, Facility Reports, and Historic Aerials are provided in **Attachment 7**. NC State Environmental Clearinghouse comments are in **Attachment 21**.

Data Sources:

NCORR has reviewed the following sources to make the above determinations: NEPAssist, Hazardous Waste (RCRAInfo), Air Pollution (ICIS-AIR), Water Dischargers National Pollutant Discharge Elimination System (NPDES) permit program, EPA's Permit Compliance System (PCS) and Integrated Compliance Information System (ICIS) databases, EPA's Toxic Release Inventory Database (TRI), Superfund Enterprise Management System (SEMS) and National Priorities List (NPL), Brownfields Assessment, Cleanup and Redevelopment Exchange System (ACRES), and the EPA Toxic Substances Control Act (TSCA).

NCORR reviewed the NC DEQ Division of Waste Management (DWM) Site Locator Tool to assess whether the Subject Property is registered as a State Superfund site. The NC DWM Database includes records of sites that are part of the Land Clearing and Inert Debris (LICD) Notifications, Permitted Solid Waste Landfills, Other Permitted Solid Waste Facilities, Yard Waste Notification (YWN) Facilities, Coal Ash Structural Fills (Closed), Permitted Solid Waste Septage Facilities (SLAS or SDTF), Hazardous Waste Sites, Brownfields Program Sites, Federal Remediation Branch, Pre-Regulatory Landfill Sites, Inactive Hazardous Sites, Dry Cleaning Compliance, Dry Cleaning Remediation Program, Dry Cleaning Historical Boiler Inspections, Dry Cleaning City Directories, UST Incidents, Non-UST Incidents, UST Active Facilities, Petroleum Contaminated Soil Remediation Permits, and Land Use Restriction and/or Notices. NCORR requested and, if available, reviewed NC DWM records, retained by the UST Section Regional Office through the NC State Environmental Clearinghouse, to determine if the Subject Property has an underground storage tank (UST) (besides a residential fuel tank) or any other storage tank.

Maxton Sewer Lift Station No. 5

303 N. Hooper Street, Maxton, NC 28364

INFRASTRUCTURE NEPA REVIEW QUESTIONNAIRE & SITE VISIT	
Project Name: Town of Maxton Generators **Address(es)**: L.S. No. 5, 303 North Hooper Street, Maxton, NC 28364 **HUD Program**: North Carolina Hurricane Matthew Recovery Program **HUD Funding Amount**: $688,600.00 **Non-HUD Program**: $0.00 **Non-HUD Funding Amount**: $0.00 **Non-HUD Funding Source**: $0.00 **Non-HUD Funding Amount**: $0.00 **Non-HUD Funding Source**: $0.00 **Non-HUD Funding Amount**: $0.00 **Project Description**: Town of Maxton and Robeson County seeks to install auxiliary power generator at the subject site. Current improvements on site consist of aboveground (Fiberglass case housing lift-station switching and monitoring instrumentation, control panels, and sensing equipment) and underground (sewer lift station) infrastructure. Improvements will include the purchase of generator equipment, to include automatic transfer switching capability, underground connections to lift station equipment, and ground-disturbing activities on which to mount the generator. **State/Local Identifier:** 81 FR 83254, 11-21-16; 82 FR 5591, 1-18-17	
Type of Facility	☒Public owned ☐Industrial ☐Commercial ☐Residential
Land Use Type and # Units (check all that apply)	☐Single Family Residential ☐Multi-family Residential ☐Commercial ☐Industrial ☒Public services ☐Vacant, list previous use:
Names of Non-residential Tenants on the Property and # Units (Companies, Organizations, Public Services, Vacant and if for lease, etc.)	Town of Maxton, NC. Site of Lift Station No. 5, administered by Town of Maxton Waste Water Treatment Board.
Project Type (check all that apply)	☐Acquisition of Property ☐Demolition ☒New Construction (Generator Pad & Connection Trenching) ☐Rehabilitation of Existing ☐Expansion of Existing ☐Replacement of Existing ☐Relocation ☐Leasing

	☒Machinery and Equipment (Generator & Accouterments) ☐Other, explain:
Other Non-HUD Funding will be Used for this Project	☐Yes, list source(s) and amount: ☒No
Reason/Need for Project	Provide Auxiliary Power availability in the event of primary power loss, allowing for waste water processing.
Project Location and Project Plans	Attach site plans, if available. Plans are: ☐Pending ☐Preliminary ☒30% or other %: 95%: See Available Drawings, HERE: DPS ReBuildNC PMO - Maxton Generators-95% Design Plans-Non-ITB-01272023.pdf - All Documents (sharepoint.com) ☐Final ☐If no plans are available, draw on tax maps (to be provided.) Please verify correct parcels and street addresses identified on tax maps.
Square Footage of Project	
Soil Disturbance from Project	☒Yes, cause and depth: Proposed construction will consist of poured concrete pad, approximately 10' in length, 6' in width, and 8" in depth. Pad will contain reinforced steel and will house generator, battery charger, and block heater. Connections to adjacent meters will be via underground trench. ☐No ☐Unknown
Fill Needed for Project	☐Yes, source: ☒No ☐Unknown
Site Inspections and/or Site Photographs	☒Yes, please attach. DPS ReBuildNC PMO - LS No. 5 Photos - All Documents (sharepoint.com) ☐Pending ☐No
Past Use of Site	☐ Used as a dump, sanitary landfill or mine waste disposal area? No Other: Present use is sewage lift station infrastructure. No previous development on site.
Environmental Inspections (Check all that apply. Identify if completed or pending and attach, if available. Include if previously done for site)	☒None ☐Phase I ESA ☐Phase 2 ESA/Limited Site or Remedial Investigation (soils test) ☐Phase 3 ESA ☐Vapor Testing ☐Phase I Archeological Survey

	☐Asbestos Inspection ☐Lead Inspection ☐Noise Assessment ☐Traffic Study ☐H&H Study ☐Other:
Historic Properties	☒Year Structure Built: 1967 ☐Year Developed ☐Identified Historical Building or Property (onsite or adjacent?)
Aboveground (AST) or Underground (UST) Storage Tanks Onsite, adjacent or proposed?	☐Yes, type and gallons, if known ☒No ☐Unknown ☐Offsite, if known
Other Hazardous Materials used onsite (Large Quantity Chemicals, Fuels, etc.)	List, if known: None noted
Permits Required for Project (Identify Type, Status and attach if available)	☒Yes, list type and status: Local Construction Permit, to be coordinated by successful electrical contractor. ☐No ☐Unknown/TBD
If New Construction, connecting to existing utilities (sewer and water), **energy efficient**	☒Yes – connecting to existing power panels with intervening ATS. ☐No, explain:
Parks Located Nearby	☐Yes, type: ☒No ☐Unknown
Wetland, Lake, River or Ocean on or adjacent to site	☐Yes None
Transportation at the Site (note if adding/upgrading/ using existing)	☐Sidewalks ☐Bike Paths ☐Bus Access ☐Train Access Project site in residential neighborhood, at corner of N. Hooper Street & East Graham Street.
Agency Consults already completed? Previous NEPA review completed?	☐Yes ☒No ☐Unknown

Other adjacent properties owned by same Subrecipient?	☐Yes, and Addresses: ☒No
Other projects on site or adjacent property by Subrecipient not included in Project Description/ Environmental Review?	☐Yes ☒No ☐Unknown
Private or Non-HUD funds committed before NEPA done? *(Choice Limiting Action)*	☐Yes ☒No ☐Unknown

Site Suitability, Access, and Compatibility with Surrounding Development

for recording impacts considered under Item 26 of HUD-Form 4128

Project Name	Investigator(s)	Site Visit Date
Maxton Generators	B. Blankenship	01/14/2023

ZONING

Is the project in compliance or conformance with local zoning?

[X] Yes [ ] No (explain) Municipal-Owned WWTP Lift Station Site

[ ] Not applicable (explain) _____

SITE OBSERVATIONS

Soil Stability, Erosion, and Drainage

Describe slope at project site (Steep, Moderate, Slight, Level):
Less than 1 percent slope from Graham/Hooper Streets to project site.

***Check** those features that were observed on or adjacent to the property at the time of the visit.

Natural Hazards			
No	Faults, fractures	No	Slope-failures from rains
No	Cliffs, bluffs, crevices	No	Hazardous terrain features
No	Evidence of slope erosion	No	High water table
No	Unstable slope conditions		Other (Specify):

Check all items that apply:

Wetlands Onsite or Adjacent			
No	Drainage ways	No	Marsh, bogs, swamps
No	Streams, Rivers	No	Ponds
No	Coastline	No	Lake

Explain Wetlands onsite or adjacent below:
Not Applicable

Toxic Chemicals and Contamination Onsite or Adjacent			
No	Distressed Vegetation	No	Abandoned Machinery, Cars, etc.
No	Oil/Chemical Spill(s)	No	Transformers
No	Soil Staining, Pools of Liquid	X	Fill Vent Pipes, Pipelines
No	Fire hazard materials	No	Railroad Terminal or Crossing
No	Hazards in vacant lots	No	Other hazardous chemical storage
No	AST and/or UST *(Below)*	No	Loose /Empty Barrels
No	Quarries or other excavations	No	Dumps/sanitary landfills or mining
No	Unsightly land uses	No	Inadequate screened drainage catchments
No	Gas, smoke, fumes	No	Odors
No	High pressure gas or liquid petroleum transmission lines on site		Other (Specify) 1. Sewer Lift Station with underground pipe connections; 2) Stormwater Drain with cover slab; 3) Grass-covered gravel driveway; 4) Security fencing topped with barbwire. Fencing damaged in northwest corner by falling limbs.

Explain Toxic Chemical and Contamination onsite or adjacent below:

Above Ground Storage Tanks

Are any above ground storage tanks visible from the site?

☐ Yes ☒ No

If yes, are these tanks 100-gallons or larger?

☐ Yes ☒ No

List Visible Tanks				
Tank Location	Tank Contents	Tank Size	Flammable? (Yes or No)	Pressurized? (Yes or No)
Not Applicable				

Proposed mitigation strategies (concrete pad, barrier, etc.) if siting of any tanks?
Not Applicable

Underground Storage Tanks

List visible tanks				
Tank Location	Tank Contents	Tank Size	Flammable? (Yes or No)	Pressurized? (Yes or No)
Not Applicable				

Bill Blankenship Digitally signed by Bill Blankenship Date: 2023.02.02 08:10:02 -05'00'

Lead Investigator's Signature Date

NEPAssist Report

Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC 28364 - 1-mile Buffer

January 30, 2023

Project Buffer

Maxton Sewer Lift Station No. 10, 627 NC Highway 71N, Maxton, NC 28364 - 1-mile Buffer

Maxton Sewer Lift Station No. 7, 904 US 74 BUS, Maxton, NC 28364 - 1-mile Buffer

Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC 28364 - 1-mile Buffer

1:35,591

0 0.35 0.7 1.4 mi

0 0.5 1 2 km

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Input Coordinates: 34.736613,-79.342511,34.736535,-79.342279,34.736028,-79.342588,34.736140,-79.342837,34.736613,-79.342511	
Project Area	0.00 sq mi
Within 1 mile of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Federal Land?	no
Within 1 mile of an impaired stream?	no
Within 1 mile of an impaired waterbody?	no
Within 1 mile of a waterbody?	yes
Within 1 mile of a stream?	yes
Within 1 mile of an NWI wetland?	Available Online
Within 1 mile of a Brownfields site?	no
Within 1 mile of a Superfund site?	no
Within 1 mile of a Toxic Release Inventory (TRI) site?	yes

Within 1 mile of a water discharger (NPDES)?	no
Within 1 mile of a hazardous waste (RCRA) facility?	yes
Within 1 mile of an air emission facility?	yes
Within 1 mile of a school?	yes
Within 1 mile of an airport?	no
Within 1 mile of a hospital?	yes
Within 1 mile of a designated sole source aquifer?	no
Within 1 mile of a historic property on the National Register of Historic Places?	no
Within 1 mile of a Toxic Substances Control Act (TSCA) site?	no
Within 1 mile of a Land Cession Boundary?	no
Within 1 mile of a tribal area (lower 48 states)?	no
Within 1 mile of the service area of a mitigation or conservation bank?	yes
Within 1 mile of the service area of an In-Lieu-Fee Program?	yes
Within 1 mile of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 1 mile of a Munitions Response Site?	no
Within 1 mile of an Essential Fish Habitat (EFH)?	no
Within 1 mile of a Habitat Area of Particular Concern (HAPC)?	no
Within 1 mile of an EFH Area Protected from Fishing (EFHA)?	no
Within 1 mile of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 1 mile of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 1 mile of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

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NEPAssist Report

Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC 28364 - 0.5-mile Buffer

January 30, 2023

Project Buffer

Maxton Sewer Lift Station No. 7, 904 US 74 BUS, Maxton, NC 28364 - 1-mile Buffer

Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC 28364 - 0.5-mile Buffer

1:17,796

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

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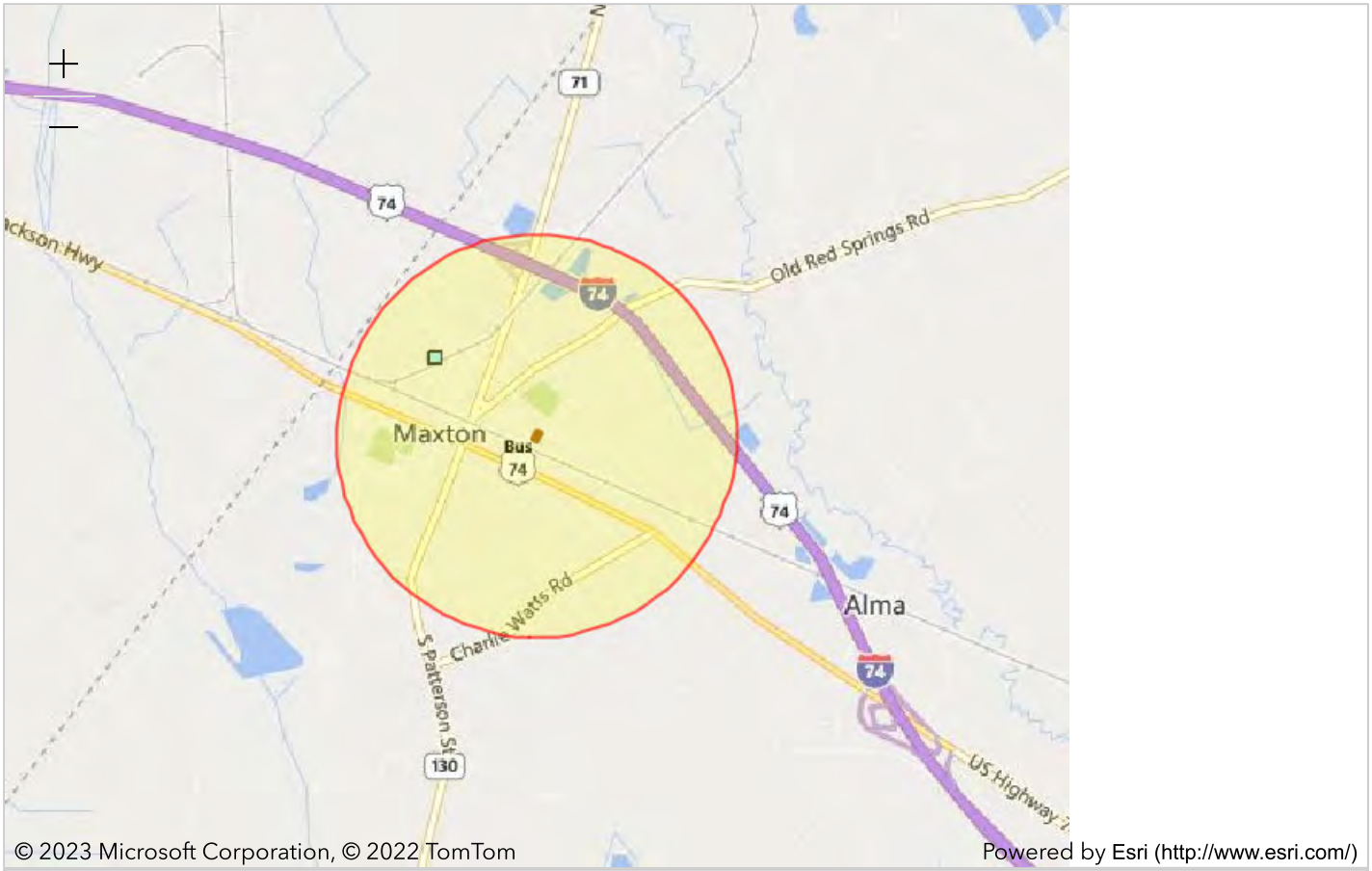
Input Coordinates: 34.736613,-79.342511,34.736535,-79.342279,34.736028,-79.342588,34.736140,-79.342837,34.736613,-79.342511	
Project Area	0.00 sq mi
Within 0.5 miles of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a Federal Land?	no
Within 0.5 miles of an impaired stream?	no
Within 0.5 miles of an impaired waterbody?	no
Within 0.5 miles of a waterbody?	no
Within 0.5 miles of a stream?	no
Within 0.5 miles of an NWI wetland?	Available Online
Within 0.5 miles of a Brownfields site?	no
Within 0.5 miles of a Superfund site?	no
Within 0.5 miles of a Toxic Release Inventory (TRI) site?	no

Within 0.5 miles of a water discharger (NPDES)?	no
Within 0.5 miles of a hazardous waste (RCRA) facility?	no
Within 0.5 miles of an air emission facility?	no
Within 0.5 miles of a school?	yes
Within 0.5 miles of an airport?	no
Within 0.5 miles of a hospital?	yes
Within 0.5 miles of a designated sole source aquifer?	no
Within 0.5 miles of a historic property on the National Register of Historic Places?	no
Within 0.5 miles of a Toxic Substances Control Act (TSCA) site?	no
Within 0.5 miles of a Land Cession Boundary?	no
Within 0.5 miles of a tribal area (lower 48 states)?	no
Within 0.5 miles of the service area of a mitigation or conservation bank?	yes
Within 0.5 miles of the service area of an In-Lieu-Fee Program?	yes
Within 0.5 miles of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 0.5 miles of a Munitions Response Site?	no
Within 0.5 miles of an Essential Fish Habitat (EFH)?	no
Within 0.5 miles of a Habitat Area of Particular Concern (HAPC)?	no
Within 0.5 miles of an EFH Area Protected from Fishing (EFHA)?	no
Within 0.5 miles of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 0.5 miles of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 0.5 miles of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

Created on: 1/30/2023 11:14:34 AM



Report question: ***Within 1 of a Toxic releases site?*** **yes**

Modify question by entering a new buffer distance and unit for the selected study area:

1 meters Submit

Name	Distance
REGAL-BELOIT CORP NATIONAL TWIST DRILL DIV (MAXTON,NC) (https://enviro.epa.gov/facts/tri/ef-facilities/#/Facility/28364TWSTD420NM)	0.64 mile

REGISTRY_ID: 110002099746
LATITUDE: 34.74207
LONGITUDE: -79.35167
PGM_SYS_ACRNM: TRIS
PGM_SYS_ID: 28364TWSTD420NM
LOCATION_ADDRESS: 420 N MCNAIR RD
CITY_NAME: MAXTON
COUNTY_NAME: ROBESON
STATE_CODE: NC
EPA_REGION: Region 4
POSTAL_CODE: 28364
FIPS_CODE: 37155
HUC_CODE:

An official website of the United States government

TRI Facility Report

TRI Facility Report: REGAL-BELOIT CORP NATIONAL TWIST DRILL DIV (28364TWSTD420NM)

Facility Information

Facility Name	REGAL-BELOIT CORP NATIONAL TWIST DRILL DIV	**TRI ID**	28364TWSTD420NM
Address	420 N MCNAIR RD MAXTON, NC, 28364	**FRS ID**	110002099746
Mailing Name	REGAL-BELOIT CORP NATIONAL TWIST DRILL DIV	**DUNS Number**	006111751
Mailing Address	420 N MCNAIR RD MAXTON, NC, 28364	**Parent Company**	
County	ROBESON	**Public Contact**	JOHN G. CROSSEN
EPA Region	4	**Phone**	(919) 844-5156
Latitude	34.74207	**Tribe**	NA
Longitude	-79.35167	**BIA Tribal Code**	NA
NAIC(S)	332212 Hand and Edge Tool Manufacturing	**Industry Sector**	332 Fabricated Metals
Last Form	1991		

Information is for the most recent reporting year

You can navigate within the map with your mouse.

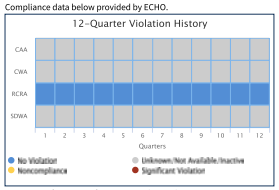
Other Regulatory Data

In addition to TRI, this facility reports to the programs listed below. The table below reflects regulatory data contained within Envirofacts and may not reflect all other EPA regulatory data:

Statute/Program <http://www.epa.gov/enviro/facts/qmr.html>	**Universe**	**Media**	**Identifier**
Resource Conservation and Recovery Act (RCRA)	VSQG	Land	NCD080888738

Compliance Information

Compliance data below provided by ECHO.



Go to ECHO for More Enforcement and Compliance Data

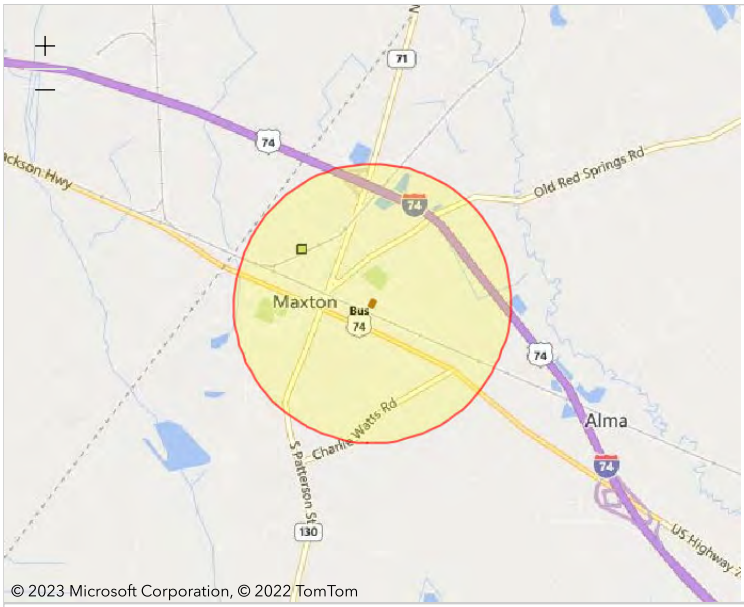
Timestamp

Query was executed on JAN-30-2023

NEPAssist

Home (https://www.epa.gov/nepa/nepassist) | Help (help/NEPAssistHelp.pdf)

US Environmental Protection Agency (//www.epa.gov)



Report question: ***Within 1 of a Hazardous waste site?*** **yes**

Modify question by entering a new buffer distance and unit for the selected study area:

1 meters Submit

Name

☐ TWIST DRILL DIV REGAL-BRLOIT (MAXTON,NC) (https://enviro.epa.gov/enviro/efsystemquery.rcrainfo?fac_search=handler_id&fac_search_type=Equal+To&postal_code=&location_address=&add_search_type=Beginning+With&city_name=&county_name=&state_code=&naics_type=Equal+to&naics_to=&univ_search=0&univA

REGISTRY_ID: 110002099746
LATITUDE: 34.74207
LONGITUDE: -79.35167
PGM_SYS_ACRNM: RCRAINFO
PGM_SYS_ID: NCD080888738
LOCATION_ADDRESS: 420 N MCNAIR RD
CITY_NAME: MAXTON
COUNTY_NAME: ROBESON
STATE_CODE: NC
EPA_REGION: Region 4
POSTAL_CODE: 28364-0128
FIPS_CODE: 37155
HUC_CODE:

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Here is how you know

RCRAInfo Facility Information

<< Return

TWIST DRILL DIV REGAL-BRLOIT Handler ID: NCD080888738 420 N MCNAIR RD MAXTON, NC 28364-0128 **County Name:** ROBESON **Latitude:** 34.74207 **Longitude:** -79.35167 **Hazardous Waste Generator:** Very Small Quantity Generator **Owner Name:** REGAL-BELOIT CORP		**You can navigate within the map with your mouse.*

No BIENNIAL REPORT data is available for the facility listed above.

LIST OF FACILITY CONTACTS

NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
BAXTER ROBERT	420 N MCNAIR RD	MAXTON	NC	28364-0128	910-844-5156	Public
ROBERT BAXTER	420 N MCNAIR RD	MAXTON	NC	28364-0128	910-844-5156	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Very Small Quantity Generator

No PROCESS INFORMATION is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
331	PRIMARY METAL MANUFACTURING
332212	HAND AND EDGE TOOL MANUFACTURING

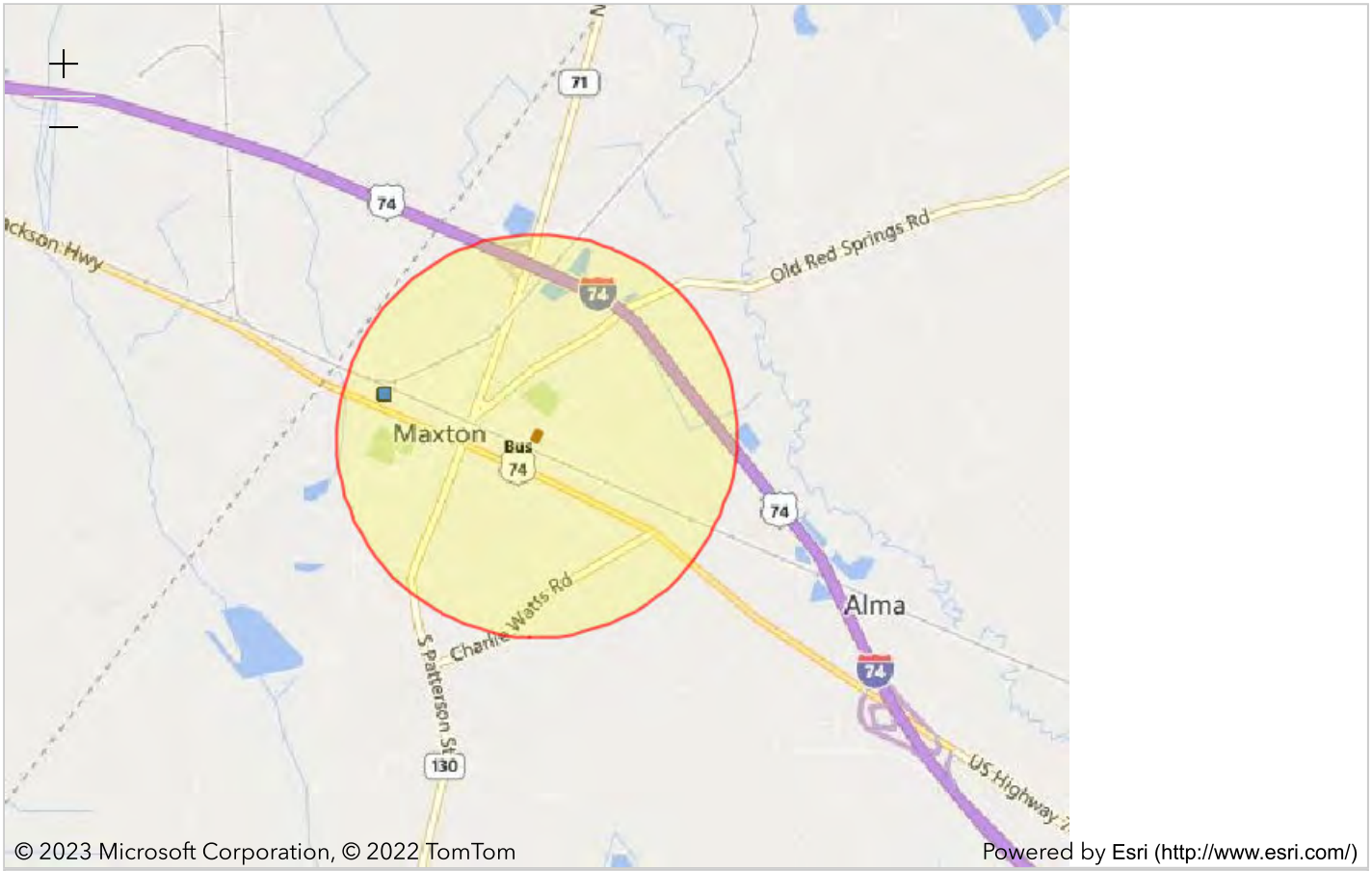
LIST OF WASTE CODES AND DESCRIPTIONS

WASTE CODE	WASTE DESCRIPTION
D001	IGNITABLE WASTE
D005	BARIUM
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F011	SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.
P030	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Go To Top Of The Page

Total Number of Facilities Retrieved: 1

Data Refresh Information <https://epa.gov/resources/echo-data/about-the-data#sources>



Report question: *Within 1 of a Air emissions site?* yes

Modify question by entering a new buffer distance and unit for the selected study area:

1 meters Submit

Name	Distance
HASTY PLYWOOD CO INC (MAXTON,NC) (https://enviro.epa.gov/enviro/airsquery.detail_plt_view?p_id=NC0000003707800032)	0.79 mile

REGISTRY_ID: 110001480905
LATITUDE: 34.7394
LONGITUDE: -79.356166
PGM_SYS_ACRNM: AIR
PGM_SYS_ID: NC0000003707800032
LOCATION_ADDRESS: 100 AUSTIN STREET
CITY_NAME: MAXTON
COUNTY_NAME:
STATE_CODE: NC
EPA_REGION: Region 4
POSTAL_CODE: 28364
FIPS_CODE: NC155
HUC_CODE:

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MENU

Search EPA.gov

Plant Information

HASTY PLYWOOD CO INC 100 AUSTIN STREET MAXTON, NC 28364		

Operating Status Code	OPR	**Operating Status Desc.**	Operating
Facility ID	NC0000003707800032	**State Registration Number**	
Facility Type Code	POF	**Facility Type Desc.**	Privately Owned Facility
Government Facility Code		**Government Facility Description**	

NAICS Information

NAICS Code	NAICS Description
321211	Hardwood Veneer and Plywood Manufacturing

SIC Information

SIC Code	SIC Description
2435	Hardwood Veneer And Plywood

Air Program Information

Program Code	Program Description	Operating Status	Subpart Code	Subpart Description
CAAGACTM	40 CFR Part 63 Area Sources	Operating	CAAGACTM6J	40 CFR Part 63 Area Sources - Subpart JJJJJJ - INDUSTRIAL, COMMERCIAL, AND INSTITUTIONAL BOILERS AREA SOURCES
CAAMACT	MACT Standards (40 CFR Part 63)	Operating	CAAMACTA	MACT Part 63 - Subpart A - GENERAL PROVISIONS
CAASIP	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards	Operating		

Air Pollutant Information

Pollutant Code	Pollutant Description	Chemical Abstract Service (CAS) Number	SRS ID	AIR Pollutant Class Code	AIR Pollutant Class Description
10193	Carbon monoxide	630080	65052	MIN	Minor Emissions
10461	Sulfur dioxide	7446095	150367	MIN	Minor Emissions
300000005	NITROGEN OXIDES NO2	10102440	167924	MIN	Minor Emissions
300000319	PARTICULATE MATTER < 10 UM		1647619	MIN	Minor Emissions
300000243	VOLATILE ORGANIC COMPOUNDS (VOCS)		761346	MIN	Minor Emissions
300000242	TOTAL HAZARDOUS AIR POLLUTANTS (HAPS)		761502	MIN	Minor Emissions

Pollutant Code	Pollutant Description	Chemical Abstract Service (CAS) Number	SRS ID	AIR Pollutant Class Code	AIR Pollutant Class Description
300000322	TOTAL PARTICULATE MATTER		1647643	MIN	Minor Emissions
300000329	FACIL			MIN	Minor Emissions
300000236	VISIBLE EMISSIONS		1647650	MIN	Minor Emissions

Air Compliance Monitoring Information

State/EPA Flag	Activity Type	Activity Type Description	Compliance Monitor Type	Compliance Monitor Type Description	End Date	Program Code
S	INS	Inspection/Evaluation	PCE	PCE On-Site	29-JUN-22	CAAGACTM,CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	04-FEB-21	CAAGACTM,CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	07-FEB-20	CAAGACTM,CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	03-JAN-19	CAAGACTM,CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	17-JAN-18	CAAGACTM,CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	13-JUN-17	CAAGACTM,CAASIP

State/EPA Flag	Activity Type	Activity Type Description	Compliance Monitor Type	Compliance Monitor Type Description	End Date	Program Code
S	INS	Inspection/Evaluation	PCE	PCE On-Site	17-MAR-16	CAAGACTM,CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	30-JUL-15	CAAGACTM,CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	09-SEP-14	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	15-JAN-13	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	26-OCT-10	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	21-DEC-09	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	21-MAY-09	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	21-FEB-07	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	24-NOV-04	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	28-JUL-04	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	02-AUG-02	CAASIP

State/EPA Flag	Activity Type	Activity Type Description	Compliance Monitor Type	Compliance Monitor Type Description	End Date	Program Code
S	INS	Inspection/Evaluation	PCE	PCE On-Site	18-MAY-99	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	26-FEB-97	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	06-AUG-96	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	24-AUG-93	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	01-APR-92	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	01-JAN-92	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	01-NOV-91	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	17-JAN-91	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	17-JAN-91	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	17-JAN-91	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	17-JAN-91	CAASIP

State/EPA Flag	Activity Type	Activity Type Description	Compliance Monitor Type	Compliance Monitor Type Description	End Date	Program Code
S	INS	Inspection/Evaluation	PCE	PCE On-Site	30-JAN-90	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	30-JAN-90	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	08-SEP-89	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	08-SEP-89	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	16-SEP-88	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	16-SEP-88	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	15-SEP-87	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	15-SEP-87	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	19-JUN-86	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	19-JUN-86	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	20-FEB-85	CAASIP

State/EPA Flag	Activity Type	Activity Type Description	Compliance Monitor Type	Compliance Monitor Type Description	End Date	Program Code
S	INS	Inspection/Evaluation	PCE	PCE On-Site	11-JUN-84	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	26-JAN-83	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	08-FEB-82	CAASIP
S	INS	Inspection/Evaluation	PCE	PCE On-Site	04-JUN-80	CAASIP

Informal Enforcement Information

State/EPA Flag	Activity Type	Activity Type Description	Enforcement Identifier	Enforcement Type Code	Total Penalty Assessed	End Date
S	AIF	Administrative - Informal	NC000A00003707800032	NOV		25-JAN-18
S	AIF	Administrative - Informal	NC000A00003707800032	NOV		30-JUN-17
S	AIF	Administrative - Informal	NC000A00003707800032	NOV		29-MAR-16
S	AIF	Administrative - Informal	NC000A00003715500032	NOV		23-JUN-08

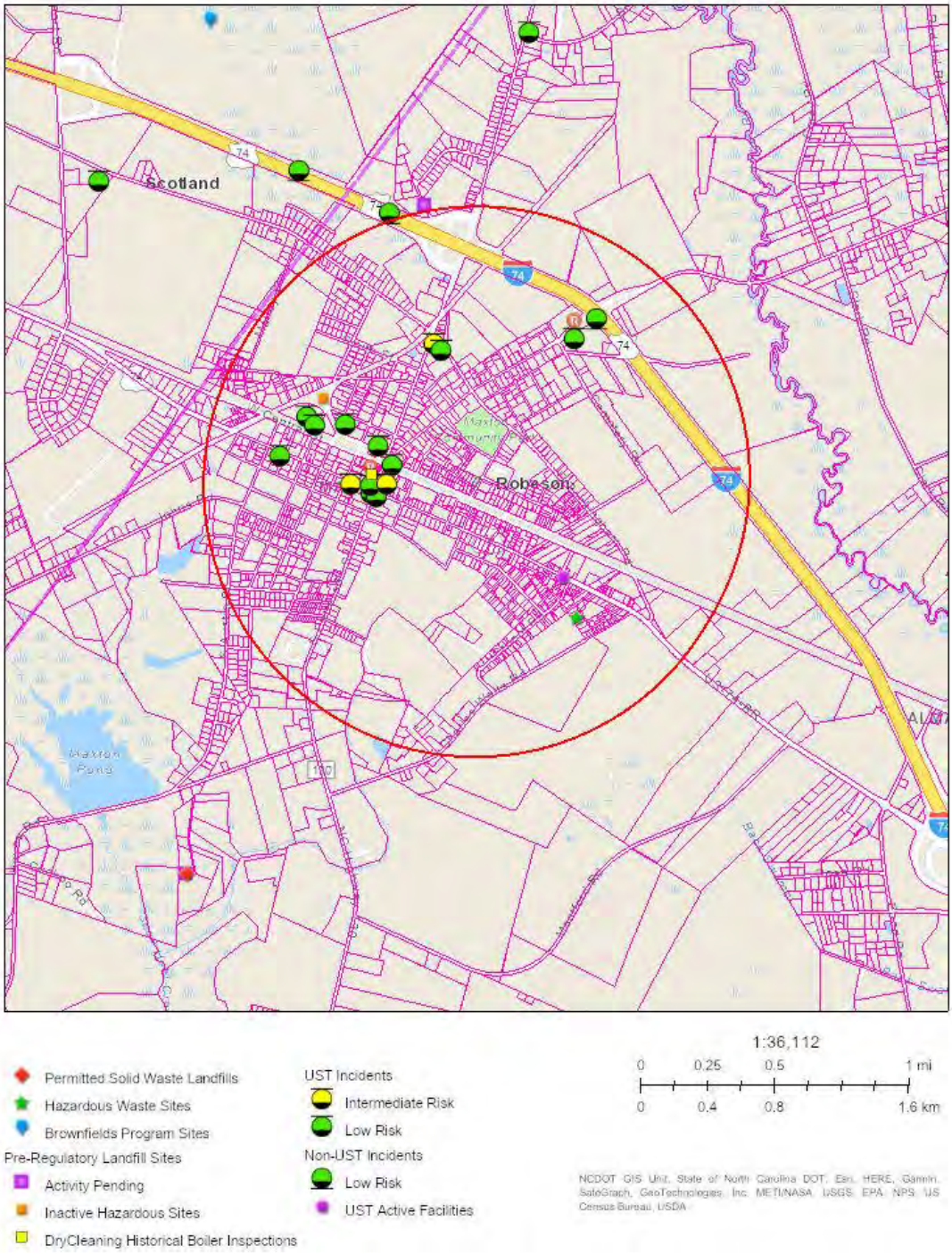
Data Refresh Information <https://epa.gov/resources/echo-data/about-the-data#sources>

Screening Report - Maxton SLS No. 5, 303 N. Hooper Street 1-mile

Area of Interest (AOI) Information

Area : 90,698,000.65 ft²

Jan 30 2023 17:01:45 Eastern Standard Time



Maxton Sewer Lift Station No. 5, 303 N. Hooper Street, Maxton, NC 28364 - 1-mile Buffer

Hazardous Waste Sites

#	HANDLER_ID	SITE_NAME	Count
1	NCD097728000	CAMPBELL SOUP SUPPLY COMPANY	1

Inactive Hazardous Sites

#	EPAID	SITENAME	Count
1	NONCD0002049	MAXTON OIL & FERT. CO. - PLANT	1

DryCleaning Historical Boiler Inspections

#	Drycleaner	InspDate	Count
1	SEALS CLEANERS	11/4/1988	1

UST Incidents

#	IncidentNumber	IncidentName	Count
1	14735	J & E CAR WASH	1
2	23907	THE PANTRY 3018	1
3	29094	NCDOT - MAXTON	1
4	29187	MAXTON MOBIL (FORMER)	1
5	29407	MAXTON WELL 1	1
6	29451	COMMUNITY STOP 2	1
7	29456	MINIT SHOP	1
8	29480	PEOPLE'S GAS & OIL CARD SYSTEM	1
9	29522	NIC'S PIC KWIK 4	1
10	42083	ELIZABETH ODOM RESIDENCE	1
11	42236	NIC'S PIC KWIK 4 (B)	1
12	*No Data*	MAXTON OIL & FERTILIZER FACILITY (FORMER)	1
13	*No Data*	MAXTON OIL & FERTILIZER	1
14	*No Data*	D&S AUTOMATIC CAR WASH PROPERTY - NCDOT	1

Non-UST Incidents

#	IncidentNumber	IncidentName	Count
1	92439	Oak Island Transport	1

UST Active Facilities

#	FACILID	FACILNAME	Count
1	00-0-0000018092	SHORT STOP MART	1
2	00-0-0000018540	NICS PIC KWIK #16	1
3	00-0-0000018897	BILL'S FAST SAVE	1
4	00-0-0000019341	NIC'S PIC KWIK 4	1
5	00-0-0000021610	MINIT SHOP OF MAXTON	1
6	00-0-0000035880	MOMS FISH & FRY	1

Land Use Restriction and/or Notices

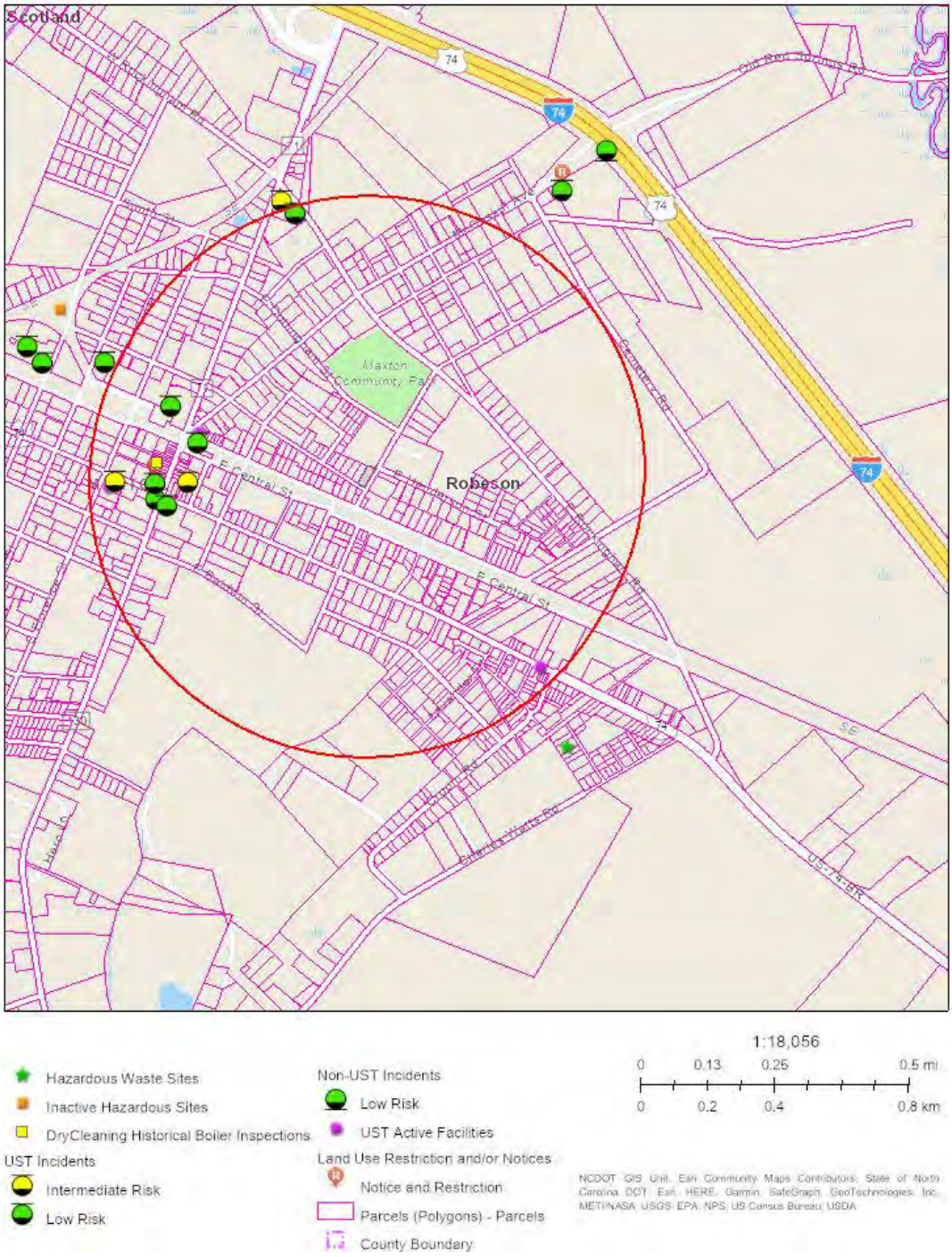
#	Prj_Number	Prj_Name	Count
1	FA-2954	MAXTON MOBIL (FORMER)	1
2	FA-7810	ELIZABETH ODOM RESIDENCE	1

Screening Report - Maxton SLS No. 5, 303 N. Hooper Street 0.5-mi

Area of Interest (AOI) Information

Area : 23,463,954.87 ft²

Jan 30 2023 16:58:36 Eastern Standard Time



DryCleaning Historical Boiler Inspections

#	Drycleaner	InspDate	Count
1	SEALS CLEANERS	11/4/1988	1

UST Incidents

#	IncidentNumber	IncidentName	Count
1	14735	J & E CAR WASH	1
2	29094	NCDOT - MAXTON	1
3	29187	MAXTON MOBIL (FORMER)	1
4	29451	COMMUNITY STOP 2	1
5	29456	MINIT SHOP	1
6	29480	PEOPLE'S GAS & OIL CARD SYSTEM	1
7	42236	NIC'S PIC KWIK 4 (B)	1
8	*No Data*	D&S AUTOMATIC CAR WASH PROPERTY - NCDOT	1

UST Active Facilities

#	FACILID	FACILNAME	Count
1	00-0-0000018540	NICS PIC KWIK #16	1
2	00-0-0000018897	BILL'S FAST SAVE	1
3	00-0-0000019341	NIC'S PIC KWIK 4	1
4	00-0-0000021610	MINIT SHOP OF MAXTON	1
5	00-0-0000035880	MOMS FISH & FRY	1

Land Use Restriction and/or Notices

#	Prj_Number	Prj_Name	Count
1	FA-2954	MAXTON MOBIL (FORMER)	1

Hazardous Waste Section

File Room Document Transmittal Sheet

17

Your Name:	MEL DEAVER
EPA ID:	N C D 0 9 7 7 2 8 0 0 0
Facility Name:	~~CAMPBELL SOUTH SUPPLY COMPANY~~ CAMPBELL SOUP SUPPLY COMPANY
Document Group:	General (G)
Document Type:	Notification 8700 (8700)
Description:	
Date of Doc:	12/5/2013
Author of Doc:	MICHAEL MILLER

File Room Use Only

NCD097728000

	Month	Day	Year
Date Recieved by File Room:	2	10	2014
Date Scanned:	2	19	2014

Scanner's Initials: A

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

December 17, 2013

JAMIE COLLINGS
CAMPBELL SOUP SUPPLY COMPANY
2120 NC 71 HWY N
MAXTON, NC 28364

RE: EPA ID # NCD097728000 - CAMPBELL SOUP SUPPLY COMPANY

Dear Facility Contact:

The North Carolina Hazardous Waste Section has received a Subsequent Notification from your facility. Our office has accepted and processed the changes. Attached is a RCRA Site Detail Report for your review to ensure that the information is accurate.

If you have any questions or need additional assistance, please feel free to contact Ray Strawbridge at 919-707-8231.

Sincerely,

Patricia Davalos

Patricia Davalos, Supervisor
Hazardous Waste Section

cc: Central Files (General)

IBEAM - RCRA Site Detail

Report run on: December 17, 2013

NCD097728000 CAMPBELL SOUP SUPPLY COMPANY

County: ROBESON **Source Type:** S **Seq. Number:** 9 **Receive Date:** 16-Dec-2013

Location Address: 2120 NC 71 HWY N
MAXTON, NC 28364

Mailing Address: 2120 NC 71 HWY N
MAXTON, NC 28364

Contact Person For Source Information: JAMIE COLLINGS (910) 844-1654
2120 NC 71 HWY N
MAXTON, NC 28364
US

Owner (current)
CAMPBELL SOUP
From: 01/01/1601
ONE CAMPBELL PLACE
CAMDEN, NJ 081031799
To:
Type: P
Phone: (855) 968-4430

Operator (current)
MICHAEL G. MILLER
From: 09/25/2006
2120 NC 71 HWY N
MAXTON, NC 28364
To:
Type: P
Phone:

Land Type: P | Non Notifier : E | Commercial Availability: U | Tsd Date:
Accessibility: | No. Employees : | State District:

Regulated Waste Activities

Hazardous Waste Generator Status - Federal: Small Quantity Generator; State: Small Quantity Generator

Transfer Facility: U

Other Hazardous Waste Generator Activities
- Importer Activity: No
- Mixed Waste Generator: No

- Transporter Activity: No
- TSD Activity: No
- Recycler Activity: No

Exempt Boiler and/or Industrial Furnace
- Small Quantity Onsite Burner Exemption: No
- Smelting, melting, Refining Furnace Exemption: No

Used Oil Activities

Used Oil Transport Activity
- Transporter: No
- Transfer Facility: No

Used Oil Processor and/or Re-refiner Activity
- Processor: No
- Refiner No

Underground Injection Control: No

Off-Specification Used Oil Burner: No

Used Oil Fuel Marketer Activity
- Marketer who direct shipment off-specification used oil to off-specification used oil burner: No
- Marketer who first claims the used oil meets the specifications: No

Destination Facility for Universal Waste: No

Certification Information

First Name : MICHAEL
Last Name : MILLER
Title SR DIR.
Date Signed 12/05/2013

NAICS Codes

311422

Comments

UPDATED SITE CONTACT PERSON, WASTE CODES, AND LEGAL OWNER AND OPERATOR. 12/5/13 MD 12/17/13

OMB# 2050-0024; Expires 12/31/2014

Entered 12/17/13

RECEIVED 4 DEC 2013 Hazardous Waste Section

SEND COMPLETED FORM TO: The Appropriate State or Regional Office.

United States Environmental Protection Agency
RCRA SUBTITLE C SITE IDENTIFICATION FORM

1. Reason for Submittal (MARK ALL BOX(ES) THAT APPLY)

Reason for Submittal:

- ☐ To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location)
- ☒ To provide a Subsequent Notification (to update site identification information for this location)
- ☐ As a component of a First RCRA Hazardous Waste Part A Permit Application
- ☐ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____)
- ☐ As a component of the Hazardous Waste Report (If marked, see sub-bullet below)
  - ☐ Site was a TSD facility and/or generator of ≥1,000 kg of hazardous waste, >1 kg of acute hazardous waste, or >100 kg of acute hazardous waste spill cleanup in one or more months of the report year (or State equivalent LQG regulations)

2. Site EPA ID Number

EPA ID Number N C D 0 9 7 7 2 8 0 0 0

3. Site Name

Name: Campbell Soup Supply Company

4. Site Location Information

Street Address: 2120 NC 71 Hwy. North
City, Town, or Village: Maxton | **County:** Robeson
State: North Carolina | **Country:** USA | **Zip Code:** 28364

5. Site Land Type

☑ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

6. NAICS Code(s) for the Site (at least 5-digit codes)

A. 3 1 1 4 2 2
B.
C.
D.

7. Site Mailing Address

Street or P.O. Box: Same as Item #4
City, Town, or Village:
State: | **Country:** | **Zip Code:**

8. Site Contact Person

First Name: Jamie | **MI:** C. | **Last:** Collins
Title: Environmental Manager
Street or P.O. Box: Same as Item #4
City, Town or Village:
State: | **Country:** | **Zip Code:**
Email: jamie_collins@campbellsoup.com
Phone: 910-844-1654 | **Ext.:** | **Fax:** 910-844-5928

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner: Campbell Soup | **Date Became Owner:**
Owner Type: ☑ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other
Street or P.O. Box: One Campbell Place
City, Town, or Village: Camden | **Phone:** 856-968-4430
State: New Jersey | **Country:** USA | **Zip Code:** 08103-1799

B. Name of Site's Operator: Michael G. Miller | **Date Became Operator:** 9/25/2006
Operator Type: ☑ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

10. Type of Regulated Waste Activity (at your site)
Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities; Complete all parts 1-10.

Y ☑ N ☐ **1. Generator of Hazardous Waste**
If "Yes", mark only one of the following – a, b, or c.

- ☐ a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; **or** Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; **or** Generates, in any calendar month, **or** accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.
- ☑ b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-acute hazardous waste.
- ☐ c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.

If "Yes" above, indicate other generator activities in 2-4.

Y ☐ N ☐ **2. Short-Term Generator** (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.

Y ☐ N ☐ **3. United States Importer of Hazardous Waste**

Y ☐ N ☐ **4. Mixed Waste (hazardous and radioactive) Generator**

Y ☐ N ☑ **5. Transporter of Hazardous Waste**
If "Yes", mark all that apply.

- ☐ a. Transporter
- ☐ b. Transfer Facility (at your site)

Y ☐ N ☑ **6. Treater, Storer, or Disposer of Hazardous Waste** Note: A hazardous waste Part B permit is required for these activities.

Y ☐ N ☑ **7. Recycler of Hazardous Waste**

Y ☐ N ☑ **8. Exempt Boiler and/or Industrial Furnace**
If "Yes", mark all that apply.

- ☐ a. Small Quantity On-site Burner Exemption
- ☐ b. Smelting, Melting, and Refining Furnace Exemption

Y ☐ N ☑ **9. Underground Injection Control**

Y ☐ N ☑ **10. Receives Hazardous Waste from Off-site**

B. Universal Waste Activities; Complete all parts 1-2.

Y ☐ N ☑ **1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.**

- a. Batteries ☐
- b. Pesticides ☐
- c. Mercury containing equipment ☐
- d. Lamps ☐
- e. Other (specify) _____ ☐
- f. Other (specify) _____ ☐
- g. Other (specify) _____ ☐

Y ☐ N ☑ **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities; Complete all parts 1-4.

Y ☐ N ☑ **1. Used Oil Transporter**
If "Yes", mark all that apply.

- ☐ a. Transporter
- ☐ b. Transfer Facility (at your site)

Y ☐ N ☑ **2. Used Oil Processor and/or Re-refiner**
If "Yes", mark all that apply.

- ☐ a. Processor
- ☐ b. Re-refiner

Y ☐ N ☑ **3. Off-Specification Used Oil Burner**

Y ☐ N ☑ **4. Used Oil Fuel Marketer**
If "Yes", mark all that apply.

- ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

D. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

❖ You can **ONLY** Opt into Subpart K if:

- you are at least one of the following: a college or university; a teaching hospital that is owned by or has a formal affiliation agreement with a college or university; or a non-profit research institute that is owned by or has a formal affiliation agreement with a college or university; AND
- you have checked with your State to determine if 40 CFR Part 262 Subpart K is effective in your state

Y☐ N☑ 1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories **See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:**

☐ a. College or University

☐ b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university

☐ c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

Y☐ N☑ 2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

11. Description of Hazardous Waste

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D001						
D002						
D008						
D009						
D035						

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

12. Notification of Hazardous Secondary Material (HSM) Activity

Y ☐ N ☑ Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

13. Comments

Campbell Soup Supply Company in Maxton, NC no longer wants to notify as a BIF. See attached documents.

14. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
Michael G. Miller	Michael G. Miller	12/5/13
	Senior Direction of Operations - Maxton	

Campbell SOUP Company

MAXTON, N.C. 28364

August 5, 1998

Mr. Jim Edwards
Solid & Hazardous Waste Mgt. Branch
Division of Health Services
Department of Human Resources
P.O. Box 29603
Raleigh, N.C. 27611-9603

REGARDING: **Hazardous Waste**

Dear Mr. Edwards:

This is to inform you that Campbell Soup Company consummated the transfer of the Container Manufacturing business at Campbell Soup Company's Maxton Plant to Silgan Can Company, the new owner. This transfer became effective June 1, 1998. Accordingly, please update your records to reflect this change.

Campbell Soup Company will no longer utilize the small quantity on site burner exemption of 40CFR 266.108. All waste will be disposed of through an outside source.

If you have any questions regarding this matter, I can be reached at (910) 844-1211. Thank you for your prompt attention to this matter.

Sincerely,

A.P. George
V.P. Manufacturing – Maxton Operations

c: Osman M. Aly - CSC/WHQ
Beth Antley - EPA Region 4

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028 Expires 10/31/99
GSA No. 0246-EPA-OT

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (Section 3010 of the *Resource Conservation and Recovery Act*).

EPA Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received (For Official Use Only)

I. Installation's EPA ID Number *(Mark 'X' in the appropriate box)*

[ ] A. First Notification [X] B. Subsequent Notification *(Complete item C)*

C. Installation's EPA ID Number: NCD097728000

II. Name of Installation *(Include company and specific site name)*

Campbell Soup Company

III. Location of Installation *(Physical address not P.O. Box or Route Number)*

Street

2120 NC 71 Highway N

Street *(Continued)*

City of Town	State	Zip Code
Maxton	NC	28364

County Code	County Name
	Robeson

IV. Installation Mailing Address *(See Instructions)*

Street or P.O. Box

Same

City or Town	State	Zip Code
Maxton	N.C.	28364

V. Installation Contact *(Person to be contacted regarding waste activities at site)*

Name *(Last)*	*(First)*
Imhoff	Peter
Job Title	Phone Number *(Area Code and Number)*
Manager - Engineering	(910)844-1615

VI. Installation Contact Address *(See Instructions)*

A. Contract Address Location Mailing Other: [X] [ ] [ ]

B. Street or P.O. Box

City or Town	State	Zip Code

VII. Ownership *(See Instructions)*

A. Name of Installation's Legal Owner

Campbell Soup Company

Street, P.O. Box, of Route Number

One Campbell Place

City or Town	State	Zip Code
Camden	N.J.	08101

Phone Number *(Area Code and Number)*	B. Land Type	C. Owner Type	D. Change of Owner Indicator	(Date Changed) Month	Day	Year
(609)486-4423	P	P	Yes [ ] No [X]			

EPA Form 8700-12 (Rev. 10/09/96)

Continued on Reverse

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028 Expires 10/31/99
GSA No. 0246-EPA-OT

ID - For Official Use Only

VIII. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes; Refer to instructions)*

A. Hazardous Waste Activity

1. Generator (See instructions)
   - [ ] a. Greater than 1000kg/mo (2,200 lbs.)
   - [X] b. 100 to 1000 kg/mo (200-2,200 lbs.)
   - [ ] c. Less than 100 kg/mo (220 lbs)
2. Transporter (Indicate Mode in boxes 1-5 below)
   - [ ] a. For own waste only
   - [ ] b. For commercial purposes

Mode of Transportation
- [ ] 1. Air
- [ ] 2. Rail
- [ ] 3. Highway
- [ ] 4. Water
- [ ] 5. *Other - specify*

[ ] 3. Treater, Storer, Disposer (at installation) Note: A permit is required for this activity; see instructions.

4. Hazardous Waste Fuel
   - [ ] a. Generator Marketing to Burner
   - [ ] b. Other Marketers
   - [ ] c. Boiler and/or Industrial Furnace
     - [ ] 1. Smelter Deferral
     - [ ] 2. Small Quantity Exemption

Indicate Type of Combustion Device(s)
- [ ] 1. Utility Boiler
- [ ] 2. Industrial Boiler
- [ ] 3. Industrial Furnace

[ ] 5. Underground Injection Control

B. Used Oil Recycling Activities

1. Used Oil Fuel Marketer
   - [ ] a. Marketer Directs Shipment of Used Oil to Off-Specification Burner
   - [ ] b. Marketer Who First Claims the Used Oil Meets the Specifications
2. Used Oil Burner - Indicate Type(s) of Combustion Device(s)
   - [ ] a. Utility Boiler
   - [ ] b. Industrial Boiler
   - [ ] c. Industrial Furnace
3. Used Oil Transporter - Indicate Type(s) of Activity(ies)
   - [ ] a. Transporter
   - [ ] b. Transfer Facility
4. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
   - [ ] a. Process
   - [ ] b. Re-refine

IX. Description of Hazardous Wastes *(Use additional sheets if necessary)*

A. Characteristics of Nonlisted Hazardous Wastes. *(Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles; See 40 CFR Parts 261.20 - 261.24)*

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic	(List specific EPA hazardous waste number(s) for the Toxicity characteristic contaminant(s))			
X	X		X	D035	D008		

B. Listed Hazardous Wastes. *(See 40 CFR 261.31 - 33; See instructions if you need to list more than 12 waste codes.)*

1	2	3	4	5	6
7	8	9	10	11	12

C. Other Wastes. *(State or other wastes requiring a handler to have an I.D. number; See instructions.)*

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Name and Official Title *(Type or print)*	Date Signed
	A.F. George V.P.Mfg-Maxton Operations	8/10/98

XI. Comments

Campbell Soup Company will no longer utilize the small quantity on site burner exemption of 40CFR 266.108. All waste will be disposed of through an outside source.

Note: Mail completed form to the appropriate EPA Regional or State Office. *(See Section III of the booklet for addresses.)*

MEMO TO FILE

Date: 06/01/2022

From: Ann Shields

Site Name: MAXTON OIL & FERT. CO. - PLANT

Site ID#: NONCD0002049

Site Location: 207 N MCNAIR ST, MAXTON, ROBESON COUNTY

Potential RP or Remedial Party (name, address, phone, and contacts):

Maxton Oil & Fertilizer Company (suspected dissolved)

Current Status (Direct Oversight, REC, Independent Cleanup, BF, No Activities, Orphan Action, etc.):

No Activities

Brief Description of Site (Type of site, describe business or reason for involvement, contaminants, contaminated media, highest concentrations, actions/reports to date):

The site was formerly owned and operated on by Maxton Oil & Fertilizer Company. The company processed soap stock to remove free fatty acids which were used as a supplement in animal feed. This process generated highly acidic wastewater high in sulfates and organic matter, which was disposed of via unpermitted activities, contaminating groundwater at the site. Sulfates were last detected in groundwater at 482 mg/L (standard of 250 mg/L) and Nitrate at 22 mg/L (standard of 10 mg/L) in 1990. TDS, phenol, Cadmium, and Lead were also detected exceeding groundwater standards. Maxton Oil & Fertilizer Co. initiated a cleanup under a consent order with the state. IHSB has no files past the early 1990s when the RP had begun addressing the contamination, but groundwater remediation had not yet begun.

ID#: NONCD0002049 Date: 06/01/2022 Memo To File

Brief Description of Actions Taken at Site so Far (RI, AA, RAP):

The RP worked with the state's Division of Environmental Management in the late 80s/early 90s on addressing violations, delineating contamination, and drafting a plan to remediate groundwater contamination. There is nothing in the IHSB file after the early 1990s, so it is unknown if remediation activities were carried out.

Risk Factors (water supply wells, vapor intrusion potential, surface water, soil contamination):

Fish kills were caused by wastewater spills from the site during the 1960s-1980s and affected Big Shoe Hill Creek and a pond (coordinates 34.732188, -79.362272) located southwest of the site. Future issues of this nature are unlikely since operations have ceased at the site.

A 1990 letter by the RP states that there are no water supply wells within 1,500 feet of the site, with the exception of a deep public water supply well located 450 feet west of the site. According to UST files, the well is no longer in use by the town of Maxton, but was not abandoned in case it is needed as a backup.

There is no risk of vapor intrusion with the known contaminants at the site.

Conclusion and Recommendation:

While there appears to be information missing from the file, the lack of receptors makes this a lower risk site. This site was transferred to IHSB from DWR in 2008, so it is likely that some physical files were not received by IHSB during the transfer. There is no risk of vapor intrusion from the contaminants at this site, and the public water supply well within the vicinity is not in use and does not appear to be significantly impacted by the site's contamination based on available data. Surface water issues were reported after spills at the plant, but the plant has been shut down so new releases are not an issue. To close out the site, groundwater would need to be re-sampled to show reduction in levels of sulfates, nitrate, and other previously detected contaminants below 02L Standards.

Maxton Oil & Fertilizer Company was a division of Laurinburg Oil Company. Laurinburg Oil Company (name changed to L&S Holding Company) was dissolved in 2019.

ROY COOPER
Governor
MICHAEL S. REGAN
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

June 21, 2022

Allan and Marie Baucom
9601 Morgan Mill Rd.
Monroe, NC 28110

Re: **Information on Voluntary Cleanup Procedures and Regulatory Requirements**
MAXTON OIL & FERT. CO. - PLANT
207 N McNair St., Maxton, Robeson County, NC
Site ID: NONCD0002049

Dear Mr. and Mrs. Baucom:

Our files indicate that the above-identified site has been contaminated by one or more hazardous substances. This letter is to go over procedures to ensure any immediate exposure to contaminants is addressed and to provide you with information on our voluntary party site cleanup program and regulatory requirements for cleanup.

First, to identify any immediate exposure risks, a Site Conditions Questionnaire, available on our website noted at the end of this letter, should be completed and returned to this office. The information you provide will be reviewed along with other information to determine if any immediate actions are necessary, so it is important that the information you provide is complete and accurate.

Depending on the degree of hazards present, immediate response actions (by responsible parties or owners or by the State, when no financially-viable responsible parties exist) may be necessary to abate current exposure to contamination. At higher risk sites, the Division of Waste Management (Division) will directly oversee and approve testing and cleanup work conducted by responsible parties and owners. At sites the Division determines are not the highest risk, we have a privatized oversight program to help expedite approval of voluntary party contaminant cleanup actions. This program is called the Registered Environmental Consultant (REC) Program. The REC Program was established to remove a bottleneck for approval caused by limited state staff available for oversight of cleanup actions. The Division must apply its staff resources toward working on the highest risk sites first. The technical requirements are the same regardless of whether an REC or state staff oversee and approve the work.

Note that pursuant to 15A NCAC 2L .0106(b), any person conducting or controlling an activity which results in the discharge of a waste or hazardous substance to the groundwaters of the State, or in proximity thereto, is required to take immediate action to terminate and control the discharge,

and mitigate any hazards resulting from exposure to the pollutants including eliminating the source or sources of contamination. Beyond initial abatement actions, all assessment and remediation will be done through the Inactive Hazardous Sites Response Act ("IHSRA"), codified under N.C. Gen. Stat. § 130A-310, et seq.

For voluntary cleanup actions under the REC Program, the remediating party hires an REC, a firm that has been approved by the state to implement a cleanup and certify that the work is being performed in compliance with state regulations. In other words, the REC is authorized to provide oversight of the cleanup in place of the Division. Details regarding the REC Program can be found at http://deq.nc.gov/about/divisions/waste-management/superfund-section/registered-environment-consultant-program.

The advantages of participating in a voluntary assessment and/or cleanup under an agreement with the Division (with state staff or REC oversight) include: 1) removal of this site from the NC Sites Priority List of inactive hazardous sites and 2) eligibility for a cap on cleanup costs a party is obligated to pay if that party enters into an agreement with the Division. The REC Program also has the advantage of an expedited cleanup process as the REC has the authority to certify completion of work phases without having to wait for state concurrence. Because the costs to clean up contaminated materials continue to increase and because uncontrolled contamination may move and expand over time, immediate action taken at your property now could help to reduce cleanup costs and may prevent future damage to adjacent properties. Of even more concern, uncontrolled migration of groundwater contamination can lead to potential exposure by contaminating drinking water wells in the area, discharging to the surface on other properties and vapors from the contaminated groundwater entering homes and other structures. For those sites where the degree and extent of contamination at the site is relatively minor, it is possible that only a limited amount of assessment and/or cleanup would be required in order to receive a "No Further Action" declaration from the state. Such a declaration could have a significant positive effect on the value of your property.

If the site in site is not identified as a current higher risk site you may also perform remedial activities independently and request a no further action review when having met remedial action cleanup standards for unrestricted use. To provide the best opportunity for success, independent cleanups should be performed in accordance with the most recent version of the Branch's *Guidelines for Assessment and Cleanup*. Independent cleanups do not receive oversight and approval as they proceed. Parties conducting cleanups in this manner are also not eligible for the statutory cap of remedial action expenses and alternate cleanup standards will not be applicable to these sites.

Regardless of your interest in performing voluntary assessment and remedial action, we strongly recommend that if you know or suspect that you have groundwater contamination with volatile hazardous substances that you conduct a structural vapor intrusion evaluation. The first step would be comparing contaminant concentrations in groundwater to screening concentrations published by the Division. You can find the structural vapor intrusion screening concentrations and guidance documents on our web page at http://deq.nc.gov/about/divisions/waste-management/waste-management-permit-guidance/inactive-hazardous-sites-guidance-documents. Based on the information available

North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200

to the Division at this time, there is no indication that there is a concern for vapor intrusion at the site, but the contamination data is known to be incomplete and out of date.

The Division's files indicate that a responsible party, Maxton Oil & Fertilizer Co., had begun assessment of the site in the 1990s, but further information has not been provided. We would appreciate any information you can provide about your properties, in addition to the completed Site Conditions Questionnaire.

The Site Conditions Questionnaire should be sent to my attention. In your response, please indicate whether you are willing to conduct a voluntary site assessment and/or cleanup. Information regarding the Inactive Hazardous Sites Program can be found at http://deq.nc.gov/about/divisions/waste-management/superfund-section/inactive-hazardous-sites-program.

If you have additional questions, please contact me at (919) 707-8024 or ann.shields@ncdenr.gov.

Sincerely,

Ann Shields
Hydrogeologist
Inactive Hazardous Sites Branch

North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
FAYETTEVILLE REGIONAL OFFICE

NCDENR

JAMES B. HUNT JR.
GOVERNOR

WAYNE MCDEVITT
SECRETARY

September 22, 1998

Mr. Johnson Rice
Kerr Drug, Inc.
2522 South Tri Center Boulevard
Durham, NC 27713

SUBJECT: Environmental Site Assessment
Former Murphy's Exxon
Saunders & Patterson Streets
Maxton, Robeson County

Dear Mr. Rice:

On September 16, 1998 the Fayetteville Regional Office of the Division of Waste Management (DWM) received the subject assessment report. A review of the report shows that soil and groundwater contamination does not exceed the maximum contaminant concentrations established in 15A NCAC 2L .0115(m)(g).

Based on information provided, the DWM has determined that no clean-up actions are required at this low risk site. This determination is final unless new information becomes available during UST system abandonment that would cause the DWM to reverse our decision.

If you have any questions concerning this matter, please contact me at (910) 486-1541.

Sincerely,

Gene Jackson
Hydrogeologist

cc: Thomas Ammons, EHC
Rick Low, ARC
FRO Files

225 GREEN STREET, SUITE 714, FAYETTEVILLE, NORTH CAROLINA 28301-5043
PHONE 910-486-1541 FAX 910-486-0707
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER

POLLUTION INCIDENT/U.S.T. LEAK REPORTING FORM

Department of Environment, Health, Natural Resources
Division of Environmental Management
GROUNDWATER SECTION

Confirm. GW Contamination (Y/N) ✓
Major Soil Contamination (Y/N) ____
Minor Soil Contaminatin (Y/N) ____

Incident # ____

Date Incident Occurred or Leak Detected 7/31/95

INCIDENT DESCRIPTION

Incident Location/Name J. & E Car Wash

Address Intersection of Patterson & Saunders St.

City/Town Maxton | County Robeson | Region Fayetteville

Briefly Describe Incident a preliminary Site assessment determined the groundwater to be contaminated by gasoline

POTENTIAL SOURCE OWNER-OPERATOR

Potential Source Owner-Operator AJS Group | Telephone

Company | Street Address 1051 Johnnie Dodds Blvd.

City Mt. Pleasant | County ⊘ | State South Carolina | Zip Code 29464

OWNERSHIP
0. N/A 1. Municipal 2. Military 3. Unknown 4.Private 5.Federal 6. County 7. State

OPERATION TYPE
0. N/A 1. Public Service 2. Agricultrural 3. Residential 4. Educational/Relig. 5. Industrial 6. Commercial 7. Mining

POLLUTANTS INVOLVED

MATERIALS INVOLVED	AMOUNT LOST	AMOUNT RECOVERED
gasoline		

SOURCE OF POLLUTION

PRIMARY SOURCE OF POLLUTION (Select one)
1. Intentional dump
2. Pit, pond, lagoon
3. Leak-underground (circled)
4. Spray irrigation
5. Land application
6. Animal feedlot
7. Source unknown
8. Septic tank
9. Sewer line
10. Stockpile
11. Landfill
12. Spill-surface
13. Well
14. Dredge spoil
15. Nonpoint source

PRIMARY POLLUTANT TYPE (Select one)
1. Pesticide/herbicide
2. Radioactive waste
3. Gasoline/diesel (circled)
4. Heating oil
5. Other petroleum prod.
6. Sewage/septage
7. Fertilizers
8. Sludge
9. Solid waste leachate
10. Metals
11. Other inorganics
12. Other organics

LOCATION
1. Facility (circled)
2. Railroad
3. Waterway
4. Pipeline
5. Dumpsite
6. Highway
7. Residence
8. Other

SETTING
1. Residential
2. Industrial
3. Urban (circled)
4. Rural

Site Priority Ranking ____

D.E.M. Regional Contact GENE JACKSON | Signature Gene Jackson | Date 10/31/95

GW-61 Revised 3/92

"Over 30 Years Experience"

Environmental Hydrogeological Consultants, Inc.

Post Office Box 902
207 West Fourth Avenue
RED SPRINGS, NORTH CAROLINA 28377
Telephone (910)843-4456
Fax (910)843-5376

RECEIVED
AUG 15 1995
ENV. MANAGEMENT
FAYETTEVILLE REG. OFFICE

PRELIMINARY SITE INVESTIGATION

J&E Car Wash Site
(Former EXXON Station-Closed)
Intersection Patterson St. & Saunders St.
Maxton, North Carolina 28364

344430
1 9 20 55

August 3, 1995

PREPARED FOR:

Mr David Bloom
AJS Group
1051 Johnnie Dodds Boulevard
Suite H
Mount Pleasant, South Carolina 29464

PREPARED BY:

William E. Bright, R.P.G.

ENVIRONMENTAL HYDROGEOLOGICAL CONSULTANTS, INC.
P.O. Box 902
Red Springs, North Carolina 28377

WEB

LOCATION

The location where this incident occurred, the EXXON Station(Closed), is located at the intersection of Highways 74(Bus.) and 130, Maxton, Robeson County, North Carolina(Figure 1).

SITE HISTORY

Reportedly, an EXXON gasoline station has occupied this site for more than 30 years but has not been operated as a service station for about the past 10 years.

INTRODUCTION

EHC, Inc., Red Springs, North Carolina was employed in conjunction with Environmental Solutions Group, Charleston, S.C., to assess the site environmentally to determine its suitability for a possible property transfer.

SITE GEOLOGY

This site is underlain by sediments of the Tuscalosa formation of Cretaceous age.

More specifically, at this site, the sediments are a mix of black, grey, beige, brown, orange sands and clays to a depth of at lease 17 feet(depth of monitor well).

SENSITIVE RECEPTOR SEARCH

Natural Gas Lines

A main natural gas line is located near the sidewalk along Saunders Street.

Underground Utility Lines

There are no underground telephone lines, etc., at this site.

Underground Water Lines

An underground water line is located on site that connects ot the water line along Patterson Street(Hwy 130 South).

Underground Sewer Lines

An underground sewer line runs at an angle from the bathroom facilities to in front of the service bays, connecting to the main sewer line along Saunders Street.

Other Potential Sources of Ground Water Contamination

1)Car Wash(Corner)

2)Parking Lot(Former Service Station-Corner)

3)Closed Mobil Station(Corner)

PRIVATE DRINKING WATER WELLS

There are no known private drinking water wells in the general area. Town water is available.

INDUSTRIAL WATER WELLS

There are no known industrial water wells in the general area.

Town of Maxton Water Supply

The Town of Maxton relies on ground water(wells) as a source of supply.

NON-AQUEOUS PHASE LIQUID

Based on observations during well construction and laboratory analyses there was no evidence of non-aqueous phase liquid at this site.

MONITOR WELLS

A total of three(3) temporary monitor wells were constructed at this site(Figure 2). These wells range in depth from 15-17 feet, 2" diameter and each contain 10 feet of .010 slotted schedule 40 PVC screens.

STATIC WATER LEVELS

The static ground water levels, at this site, range from about 5-6 feet below land surface.

SAMPLE COLLECTION PROCEDURES

Ground Water

Approximately 2-3 volumes of water were evacuated from these temporary monitor wells using disposable bailers. The samples were collected in laboratory provided bottles(40 ml VOC with HCL preservative & 1000 ml non preserved bottles), iced and same transported, under chain of custody, to Hydrologic, Inc., Frankfort, Kentucky, which is approved by both the EPA and the State of North Carolina(#399).

MONITOR WELL ANALYSES

On 7/21/95 and 7/25/95, ground water samples were obtained from the three(3) temporary monitor wells(TMW#1-3) for laboratory analyses.

These samples were analyzed by Hydrologic, Inc., Frankfort, Kentucky, using EPA Method 602 plus MTBE, 625 and observing the 10 highest peaks,

TMW #1

TMW #1 showed, in ug/1, below detectable limits for all of the analytes except for toluene 1.69 and total xylenes 5.51.

TMW #2

TMW #2 showed, in ug/1, benzene 1670, ethylbenzene 24.4, total xylenes 144, MTBE 6240, phenol 7.0, Naphthalene 7.0, and 4 peaks were observed and quantified.

TMW #3

TMW #3 showed, in ug/l, benzene 1690, ethylbenzene 1810, toluene 393, total xylenes 5660, MTBE 544, naphthalene 340, 2,4-Dimethylphenol 121 and 9 peaks were observed and quantified.

TMW #1 is considered to be clean but both TMW#2 and TMW#3 show significant evidence of impact. TMW#3 is considered to be the "hot spot".

GROUND WATER FLOW DIRECTION

The approximate direction of ground water flow, at this site, was determined to be generally to the west(Figure 3). The approximate direction of flow was determined based on temporary monitor well static water levels, relative geographic position of the temporary monitor wells, the elevation of each well head and the distance between the monitor wells.

CONTAMINANT PLUME

Based on the available data, the contaminant plume cannot, at this time, be accurately delineated. More data, including off-site data, will be needed to show the extent, if possible, of the plume.

RECOMMENDATIONS

1) Provide a copy, we will if authorized, of this report to Mr. Jim Bales, the State's Division of Environmental Management, Fayetteville Regional Office;

2) Submit an application for LUST Cleanup Funds to determine site eligibility;

3) Excavate and remove the underground storage tanks, lines, pump islands, etc.;

4) Construct additional monitor wells as needed and at locations shown in Figure 3;

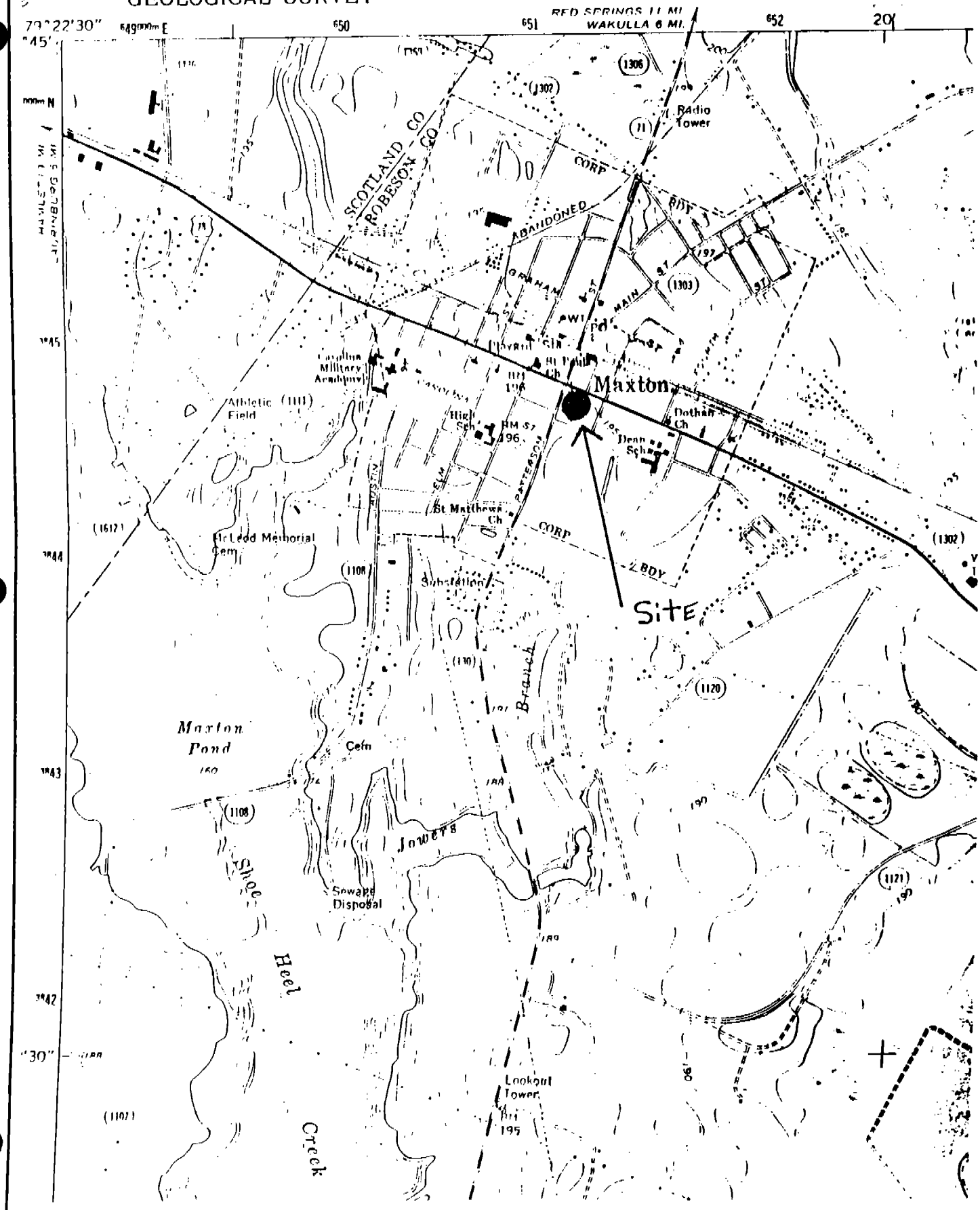
5) Sample and make observations, if possible, in the manhole(sewer line) nearest the site; and

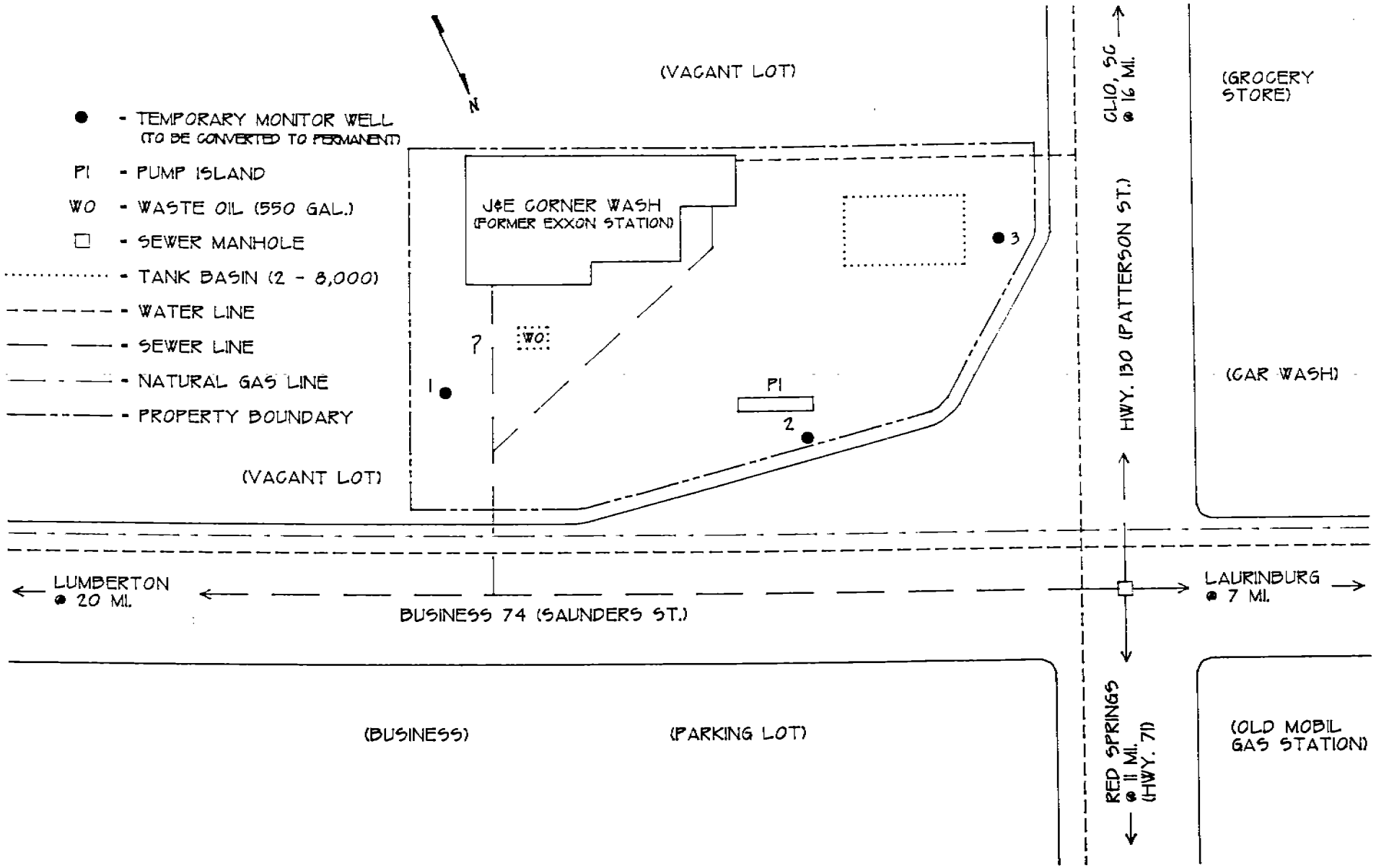
6) When and if authorized we will submit a Comprehensive Site Assessment(CSA) in accordance with the following schedule, if approved;

Convert TMWs#1-3 to Permanent MWs	-	8/12/95
USTs Excavation	-	8/29/95
Construct MWs(4-7)	-	9/11-18/95
Monitor Well Samples(#4-7)	-	9/19/95
Survey Well Head Elevations	-	9/20/95
Submit CSA	-	10/9/95

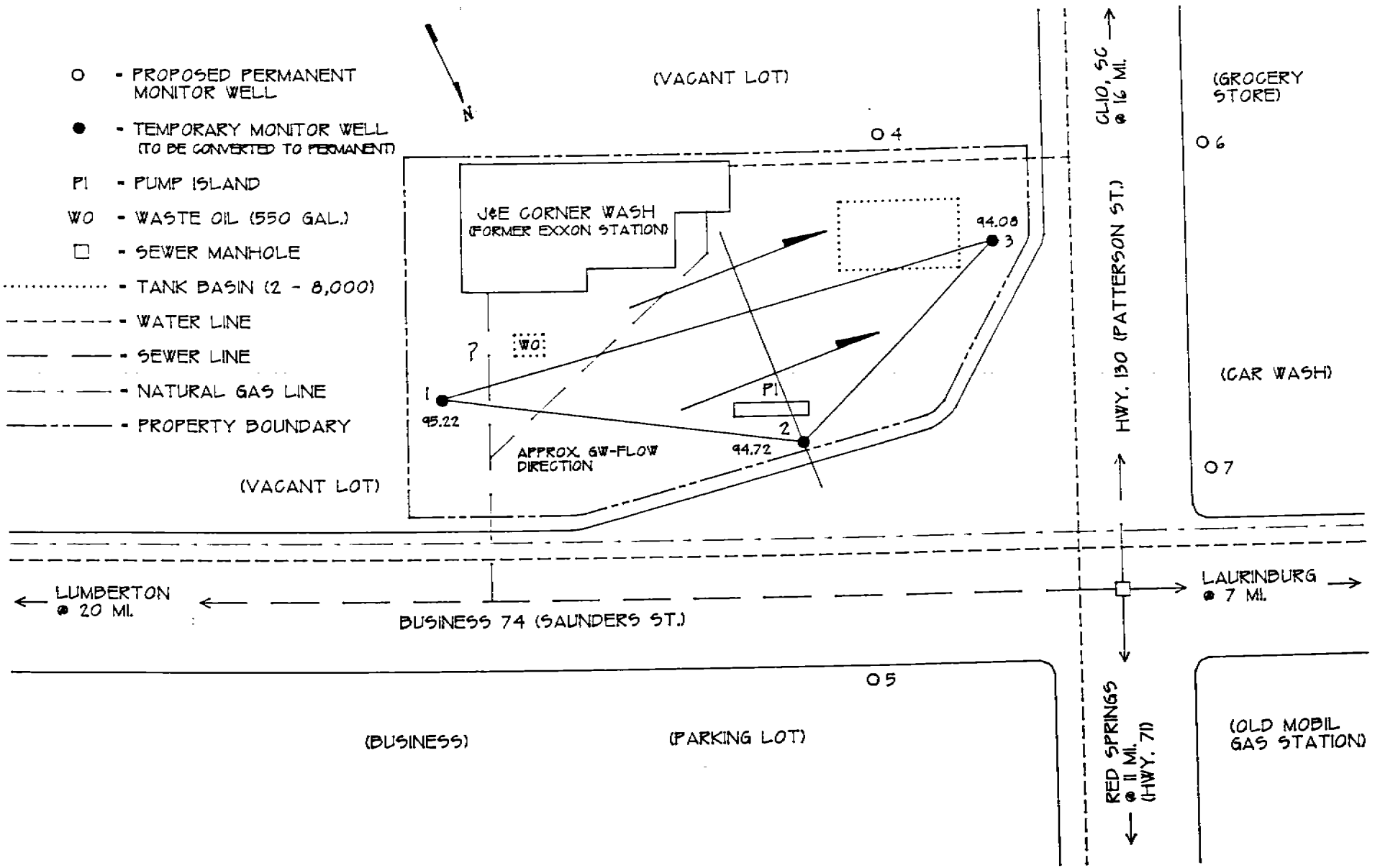
NOTE: Above dates are out of necessity and because of variables, somewhat tentative but nevertheless attainable.

J+E Car Wash Site
Figure 1.





SCALE: 1" = 30'	DATE: 8/3/95	EHC ENVIRONMENTAL HYDROGEOLOGICAL CONSULTANTS HYDROLOGY • GEOLOGY • EXPLORATION • ANALYTICAL	TITLE: FIGURE 2 J&E CORNER WASH BUS. 74 & HWY. 130 MAXTON, ROBESON CO., NC



SCALE: 1" = 30'	DATE: 8/3/95	EHC ENVIRONMENTAL HYDROGEOLOGICAL CONSULTANTS HYDROLOGY • GEOLOGY • EXPLORATION • ANALYTICAL	TITLE: FIGURE 3 J&E CORNER WASH BUS. 74 & HWY. 130 MAXTON, ROBESON CO., NC

BORING RECORD

Date 7-21-95

Boring #

MW # TMW #1 - #2

Total Depth 15'

Screen 5-15'

Diameter 2"

Water Level @5-6'

Location J+E Car Wash
Maxton, NC

Telephone

Logged By K. Martin
T. Ammons

FEET From	FEET To	PID	TMW #1
0	3"		Asphalt
3"	6"		Black medium coarse sand with quartz rock.
6"	3'		Black medium-coarse sandy-clay
3'	6'		Gray medium-coarse sandy-clay old product odor
6'	10'		Beige medium sand - No odor
10'	15'		Light grey-beige fine medium sand
			Screen 5-15' Casing 0-5' Gravel 4-15' Bent 3-4' Grout 0-3'

FEET From	FEET To	PID	TMW #2
0	2"		Asphalt
2"	1.5"		Orange med-coarse sand
1.5'	2.0'		Black medium sand
2'	5'		Brown medium sandy clay - slight old product odor
5'	7'		Light grey medium coarse sandy-clay stronger gasoline odor
7'	15'		Brown fine-medium sandy-clay - gasoline odor
			Screen 5-15' Casing 5' Gravel 4-15' Bent - 3 4' Grout 0-3'

BORING RECORD

Date 7-25-95

Boring #

MW # TMW #3

Total Depth 17'

Screen 6-16'

Diameter

Water Level

Location J+E Car Wash
Mayton, NC

Telephone

Logged By K. Martin
M. Lamm

FEET From	FEET To	PID	TMW #3
0	3"		Asphalt
3"	2.5'		Brown fine-med sand
2.5'	4.0'		Brown-orange fine medium sand
4'	6.5'		Brown sandy-clay
6.5'	7.5'		Brown-beige sticky sandy-clay (old gasoline odor)
7.5'	10.0'		Brown-orange sticky sandy-clay (old gas odor)
10'	14'		Brown-beige sticky sandy clay (old gas odor)
14'	17'		Pink sticky sandy-clay (old gas odor)

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512410
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: TMW #1
DATE SAMPLED: 7/21/95
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 7/28/95

METHOD EPA 602/MTBE

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	71-43-2	1.0	BDL
Chlorobenzene	108-90-7	1.0	BDL
1,2-Dichlorobenzene	95-50-1	1.0	BDL
1,3-Dichlorobenzene	541-73-1	1.0	BDL
1,4-Dichlorobenzene	106-46-7	1.0	BDL
Ethylbenzene	100-41-4	1.0	BDL
Toluene	**108-88-3**	**1.0**	**1.69**
Xylene (Total)	**1330-20-7**	**1.0**	**5.51**
MTBE		5.0	BDL
Surrogate Recovery:			
BFB			98%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512410
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: TMW #1
DATE SAMPLED: 7/21/95
DATE EXTRACTED: 7/27/95
DATE/TIME ANALYZED: 8/1/95

METHOD EPA 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Phenol	108-95-2	5.0	BDL
bis(2-Chloroethyl)ether	111-44-4	5.0	BDL
2-Chlorophenol	95-57-8	5.0	BDL
1,3-Dichlorobenzene	541-73-1	5.0	BDL
1,4-Dichlorobenzene	106-46-7	5.0	BDL
1,2-Dichlorobenzene	95-50-1	5.0	BDL
bis(2-Chloroisopropyl)ether	39638-32-9	5.0	BDL
N-Nitroso-di-n-propylamine	621-64-7	5.0	BDL
Hexachloroethane	67-72-1	5.0	BDL
Nitrobenzene	98-95-3	5.0	BDL
Isophorone	78-59-1	5.0	BDL
2-Nitrophenol	88-75-5	5.0	BDL
2,4-Dimethylphenol	105-67-9	5.0	BDL
bis(2-Chloroethoxy)methane	111-91-1	5.0	BDL
2,4-Dichlorophenol	120-83-2	5.0	BDL
1,2,4-Trichlorobenzene	120-82-1	5.0	BDL
Naphthalene	91-20-3	5.0	BDL
Hexachlorobutadiene	87-68-3	5.0	BDL
4-Chloro-3-methylphenol	59-50-7	5.0	BDL
2,4,6-Trichlorophenol	88-06-2	5.0	BDL
2-Chloronaphthalene	91-58-7	5.0	BDL
Dimethylphthalate	131-11-3	5.0	BDL
Acenaphthylene	208-96-8	5.0	BDL
Acenaphthene	83-32-9	5.0	BDL
2,4-Dinitrophenol	51-28-5	25.0	BDL

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512410
SAMPLE IDENTIFICATION: TMW #1
DATE SAMPLED: 7/21/95

METHOD EPA 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
4-Nitrophenol	100-02-7	25.0	BDL
2,4-Dinitrotoluene	121-14-2	5.0	BDL
2,6-Dinitrotoluene	606-20-2	5.0	BDL
Diethylphthalate	84-66-2	5.0	BDL
4-Chlorophenyl-phenylether	7005-72-3	5.0	BDL
Fluorene	86-73-7	5.0	BDL
4,6-Dinitro-2-methylphenol	534-52-1	25.0	BDL
4-Bromophenyl-phenylether	101-55-3	5.0	BDL
Hexachlorobenzene	118-74-1	5.0	BDL
Pentachlorophenol	87-86-5	25.0	BDL
Phenanthrene	85-01-8	5.0	BDL
Anthracene	120-12-7	5.0	BDL
Di-n-butylphthalate	84-74-2	5.0	BDL
Fluoranthene	206-44-0	5.0	BDL
Pyrene	129-00-0	5.0	BDL
Butylbenzylphthalate	85-68-7	5.0	BDL
3,3'-Dichlorobenzidine	91-94-1	10.0	BDL
Benzo(a)anthracene	56-55-3	5.0	BDL
bis(2-Ethylhexyl)phthalate	117-81-7	5.0	BDL
Chrysene	218-01-9	5.0	BDL
Di-n-octylphthalate	117-84-0	5.0	BDL
Benzo(b)fluoranthene	205-99-2	5.0	BDL
Benzo(k)fluoranthene	207-08-9	5.0	BDL
Benzo(a)pyrene	50-32-8	5.0	BDL

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512410
SAMPLE IDENTIFICATION: TMW #1
DATE SAMPLED: 7/21/95

METHOD EPA 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Indeno(1,2,3-cd)pyrene	193-39-5	5.0	BDL
Dibenz(a,h)anthracene	53-70-3	5.0	BDL
Benzo(g,h,i)perylene	191-24-2	5.0	BDL
Hexachlorocyclopentadiene	77-47-4	10.0	BDL
N-Nitrosodiphenylamine	86-30-6	10.0	BDL
Benzidine	92-87-5	80.0	BDL
N-Nitrosodimethylamine	62-75-9	10.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512410
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: TMW #1
DATE SAMPLED: 7/21/95
DATE EXTRACTED: 7/27/95
DATE/TIME ANALYZED: 8/1/95

TENTATIVELY IDENTIFIED COMPOUNDS
(water samples)

COMPOUND NAME	SDL (ug/l)	ESTIMATED CONCENTRATION (ug/l)
NO COMPOUNDS DETECTED	5.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512411
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: TMW #2
DATE SAMPLED: 7/21/95
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 7/27/95

METHOD EPA 602/MTBE

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	**71-43-2**	**20.0**	**1670**
Chlorobenzene	108-90-7	20.0	BDL
1,2-Dichlorobenzene	95-50-1	20.0	BDL
1,3-Dichlorobenzene	541-73-1	20.0	BDL
1,4-Dichlorobenzene	106-46-7	20.0	BDL
Ethylbenzene	**100-41-4**	**20.0**	**24.4**
Toluene	108-88-3	20.0	BDL
Xylene (Total)	**1330-20-7**	**20.0**	**144**
MTBE		**100**	**6240**
Surrogate Recovery:			
BFB			98%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: DILUTION FACTOR X 20

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512411
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: TMW #2
DATE SAMPLED: 7/21/95
DATE EXTRACTED: 7/27/95
DATE/TIME ANALYZED: 8/1/95

METHOD EPA 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Phenol	**108-95-2**	**5.0**	**7.0**
bis(2-Chloroethyl)ether	111-44-4	5.0	BDL
2-Chlorophenol	95-57-8	5.0	BDL
1,3-Dichlorobenzene	541-73-1	5.0	BDL
1,4-Dichlorobenzene	106-46-7	5.0	BDL
1,2-Dichlorobenzene	95-50-1	5.0	BDL
bis(2-Chloroisopropyl)ether	39638-32-9	5.0	BDL
N-Nitroso-di-n-propylamine	621-64-7	5.0	BDL
Hexachloroethane	67-72-1	5.0	BDL
Nitrobenzene	98-95-3	5.0	BDL
Isophorone	78-59-1	5.0	BDL
2-Nitrophenol	88-75-5	5.0	BDL
2,4-Dimethylphenol	105-67-9	5.0	BDL
bis(2-Chloroethoxy)methane	111-91-1	5.0	BDL
2,4-Dichlorophenol	120-83-2	5.0	BDL
1,2,4-Trichlorobenzene	120-82-1	5.0	BDL
Naphthalene	**91-20-3**	**5.0**	**5.0**
Hexachlorobutadiene	87-68-3	5.0	BDL
4-Chloro-3-methylphenol	59-50-7	5.0	BDL
2,4,6-Trichlorophenol	88-06-2	5.0	BDL
2-Chloronaphthalene	91-58-7	5.0	BDL
Dimethylphthalate	131-11-3	5.0	BDL
Acenaphthylene	208-96-8	5.0	BDL
Acenaphthene	83-32-9	5.0	BDL
2,4-Dinitrophenol	51-28-5	25.0	BDL

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512411
SAMPLE IDENTIFICATION: TMW #2
DATE SAMPLED: 7/21/95

METHOD EPA 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
4-Nitrophenol	100-02-7	25.0	BDL
2,4-Dinitrotoluene	121-14-2	5.0	BDL
2,6-Dinitrotoluene	606-20-2	5.0	BDL
Diethylphthalate	84-66-2	5.0	BDL
4-Chlorophenyl-phenylether	7005-72-3	5.0	BDL
Fluorene	86-73-7	5.0	BDL
4,6-Dinitro-2-methylphenol	534-52-1	25.0	BDL
4-Bromophenyl-phenylether	101-55-3	5.0	BDL
Hexachlorobenzene	118-74-1	5.0	BDL
Pentachlorophenol	87-86-5	25.0	BDL
Phenanthrene	85-01-8	5.0	BDL
Anthracene	120-12-7	5.0	BDL
Di-n-butylphthalate	84-74-2	5.0	BDL
Fluoranthene	206-44-0	5.0	BDL
Pyrene	129-00-0	5.0	BDL
Butylbenzylphthalate	85-68-7	5.0	BDL
3,3'-Dichlorobenzidine	91-94-1	10.0	BDL
Benzo(a)anthracene	56-55-3	5.0	BDL
bis(2-Ethylhexyl)phthalate	117-81-7	5.0	BDL
Chrysene	218-01-9	5.0	BDL
Di-n-octylphthalate	117-84-0	5.0	BDL
Benzo(b)fluoranthene	205-99-2	5.0	BDL
Benzo(k)fluoranthene	207-08-9	5.0	BDL
Benzo(a)pyrene	50-32-8	5.0	BDL

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512411
SAMPLE IDENTIFICATION: TMW #2
DATE SAMPLED: 7/21/95

METHOD EPA 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Indeno(1,2,3-cd)pyrene	193-39-5	5.0	BDL
Dibenz(a,h)anthracene	53-70-3	5.0	BDL
Benzo(g,h,i)perylene	191-24-2	5.0	BDL
Hexachlorocyclopentadiene	77-47-4	10.0	BDL
N-Nitrosodiphenylamine	86-30-6	10.0	BDL
Benzidine	92-87-5	80.0	BDL
N-Nitrosodimethylamine	62-75-9	10.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512411
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: TMW #2
DATE SAMPLED: 7/21/95
DATE EXTRACTED: 7/27/95
DATE/TIME ANALYZED: 8/1/95

TENTATIVELY IDENTIFIED COMPOUNDS
(water samples)

COMPOUND NAME	SDL (ug/l)	ESTIMATED CONCENTRATION (ug/l)
BUTANE, 2-METHOXY-2-METHYL-	5.0	287
CYCLOPENTANOL, 1-METHYL-	5.0	252
1,3-DIMETHYL CYCLOPENTANOL	5.0	91.0
CYCLOHEXANOL, 1-METHYL-	5.0	140

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512412
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: TMW #3
DATE SAMPLED: 7/21/95
DATE EXTRACTED: N/A
DATE/TIME ANALYZED: 7/27/95

METHOD EPA 602/MTBE

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Benzene	**71-43-2**	**20.0**	**1690**
Chlorobenzene	108-90-7	20.0	BDL
1,2-Dichlorobenzene	95-50-1	20.0	BDL
1,3-Dichlorobenzene	541-73-1	20.0	BDL
1,4-Dichlorobenzene	106-46-7	20.0	BDL
Ethylbenzene	**100-41-4**	**20.0**	**1810**
Toluene	**108-88-3**	**20.0**	**393**
Xylene (Total)	**1330-20-7**	**20.0**	**5660**
MTBE		**100**	**544**
Surrogate Recovery:			
BFB			101%

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: DILUTION FACTOR X 20

COMPANY NAME:	Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER:	EHC725B/J&E
HYDROLOGIC PROJECT NUMBER:	FL9512410
HYDROLOGIC SAMPLE NUMBER:	9512412
HYDROLOGIC LAB I.D. #:	399
SAMPLE IDENTIFICATION:	TMW #3
DATE SAMPLED:	7/21/95
DATE EXTRACTED:	7/27/95
DATE/TIME ANALYZED:	8/1/95

METHOD EPA 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Phenol	108-95-2	5.0	BDL
bis(2-Chloroethyl)ether	111-44-4	5.0	BDL
2-Chlorophenol	95-57-8	5.0	BDL
1,3-Dichlorobenzene	541-73-1	5.0	BDL
1,4-Dichlorobenzene	106-46-7	5.0	BDL
1,2-Dichlorobenzene	95-50-1	5.0	BDL
bis(2-Chloroisopropyl)ether	39638-32-9	5.0	BDL
N-Nitroso-di-n-propylamine	621-64-7	5.0	BDL
Hexachloroethane	67-72-1	5.0	BDL
Nitrobenzene	98-95-3	5.0	BDL
Isophorone	78-59-1	5.0	BDL
2-Nitrophenol	88-75-5	5.0	BDL
2,4-Dimethylphenol	**105-67-9**	**50.0**	**121**
bis(2-Chloroethoxy)methane	111-91-1	5.0	BDL
2,4-Dichlorophenol	120-83-2	5.0	BDL
1,2,4-Trichlorobenzene	120-82-1	5.0	BDL
Naphthalene	**91-20-3**	**50.0**	**340**
Hexachlorobutadiene	87-68-3	5.0	BDL
4-Chloro-3-methylphenol	59-50-7	5.0	BDL
2,4,6-Trichlorophenol	88-06-2	5.0	BDL
2-Chloronaphthalene	91-58-7	5.0	BDL
Dimethylphthalate	131-11-3	5.0	BDL
Acenaphthylene	208-96-8	5.0	BDL
Acenaphthene	83-32-9	5.0	BDL
2,4-Dinitrophenol	51-28-5	25.0	BDL

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512412
SAMPLE IDENTIFICATION: TMW #3
DATE SAMPLED: 7/21/95

METHOD EPA 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
4-Nitrophenol	100-02-7	25.0	BDL
2,4-Dinitrotoluene	121-14-2	5.0	BDL
2,6-Dinitrotoluene	606-20-2	5.0	BDL
Diethylphthalate	84-66-2	5.0	BDL
4-Chlorophenyl-phenylether	7005-72-3	5.0	BDL
Fluorene	86-73-7	5.0	BDL
4,6-Dinitro-2-methylphenol	534-52-1	25.0	BDL
4-Bromophenyl-phenylether	101-55-3	5.0	BDL
Hexachlorobenzene	118-74-1	5.0	BDL
Pentachlorophenol	87-86-5	25.0	BDL
Phenanthrene	85-01-8	5.0	BDL
Anthracene	120-12-7	5.0	BDL
Di-n-butylphthalate	84-74-2	5.0	BDL
Fluoranthene	206-44-0	5.0	BDL
Pyrene	129-00-0	5.0	BDL
Butylbenzylphthalate	85-68-7	5.0	BDL
3,3'-Dichlorobenzidine	91-94-1	10.0	BDL
Benzo(a)anthracene	56-55-3	5.0	BDL
bis(2-Ethylhexyl)phthalate	117-81-7	5.0	BDL
Chrysene	218-01-9	5.0	BDL
Di-n-octylphthalate	117-84-0	5.0	BDL
Benzo(b)fluoranthene	205-99-2	5.0	BDL
Benzo(k)fluoranthene	207-08-9	5.0	BDL
Benzo(a)pyrene	50-32-8	5.0	BDL

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512412
SAMPLE IDENTIFICATION: TMW #3
DATE SAMPLED: 7/21/95

METHOD EPA 625

ANALYSIS	CAS NO.	SDL (ug/l)	RESULT (ug/l)
Indeno(1,2,3-cd)pyrene	193-39-5	5.0	BDL
Dibenz(a,h)anthracene	53-70-3	5.0	BDL
Benzo(g,h,i)perylene	191-24-2	5.0	BDL
Hexachlorocyclopentadiene	77-47-4	10.0	BDL
N-Nitrosodiphenylamine	86-30-6	10.0	BDL
Benzidine	92-87-5	80.0	BDL
N-Nitrosodimethylamine	62-75-9	10.0	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: DILUTION FACTOR X 10 FOR 2,4-DIMETHYLPHENOL AND NAPHTHALENE

H Y D R O L O G I C , I N C .

COMPANY NAME: Hydrologic-Lumberton, Inc
COMPANY PROJECT NUMBER: EHC725B/J&E

HYDROLOGIC PROJECT NUMBER: FL9512410
HYDROLOGIC SAMPLE NUMBER: 9512412
HYDROLOGIC LAB I.D. #: 399
SAMPLE IDENTIFICATION: TMW #3
DATE SAMPLED: 7/21/95
DATE EXTRACTED: 7/27/95
DATE/TIME ANALYZED: 8/1/95

TENTATIVELY IDENTIFIED COMPOUNDS
(water samples)

COMPOUND NAME	SDL (ug/l)	ESTIMATED CONCENTRATION (ug/l)
CYCLOPENTENE, 1-ETHENYL-3-METHYLENE-	5.0	811
P-XYLENE	5.0	572
1,2,4-TRIMETHYLBENZENE	5.0	928
P-XYLENE	5.0	393
BENZENE, 1,3,5-TRIMETHYL-	5.0	392
1,2,4-TRIMETHYLBENZENE	5.0	439
BENZENE, 1,3,5-TRIMETHYL-	5.0	486
BENZENE, 1,2,3-TRIMETHYL-	5.0	505
BENZENE, 1-ETHENYL-3-METHYL-	5.0	565

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: ______________________________

[illegible] Trail [ ] Frankfort, KY [illegible] [ ] 502/223 0251 [ ] FAX 502/875-8016 [ ] Toll Free 1-800/723 2251

Subcontractor: HLI - Frank

Contact Name: Jamie

Date Shipped: 7-25-95

Comments:

SUBCONTRACT COC

Project Name/No: EHC725B

Project Contact/Phone:

#:

Reporting Information:

Report To:

HYDROLOGIC, INC.
2003 N. PINE STREET
SUITE #2
LUMBERTON, NC 28358

Invoice To:

Verbal ☐
Phone No:

Fax ☐
Fax No:

Typed Copy ☐
Date:

A9512410

ONE CONTAINER PER LINE

SAMPLE TYPE

LAB USE ONLY

Sample ID	Sample Location	comp	grab	date	time	gw	dw	ww	solid	oil	liquid	prsrv	sx volume	Analysis & Method	sx cond	pH
JVE	Tmw #1		X	7-21-95		X						HCL	2VOA	602 w/MTBE		
	Tmw #1		X	7-21-95		X						—	1L	625 w/ 10 High peaks		
	Tmw 2		X	7-21-95		X						HCL	2VOA	602 w/MTBE		
	Tmw 2		X	7-21-95		X						—	1L	625 w/ 10 High Peaks		
	Tmw 3		X	7-21-95		X						HCL	2VOA	602 w/MTBE		
	Tmw 3		X	7-21-95		X						—	1L	625 w/10 High Peaks		

Turn Around Time (Please Specify) 5 DAY TAT
Rush ☒ Two Week ☐ Three Week ☐
Due 7-31-95

QC Level:
I ☐ II ☐ III ☐ Project Specific

DISKETTES:
Comma Delimited:
Standard ASCII:

Relinquished by: (Signature) Karen Taylor 7/25/95 1400

Received by: (Signature) Date/Time

Method of Shipment: Fed Ex

Received for Laboratory by: Date/Time 7/26/95 1110

FINAL REPORT OF ANALYSES

HydroLogic, Inc. (LUMBERTON)
2003 N. Pine Street
Lumberton, NC 28358-
Attn: Pam Hester

REPORT DATE: 07/31/95

SAMPLE NUMBER- 9425 SAMPLE ID- ID# TMW#1
DATE SAMPLED- / /
DATE RECEIVED- 07/26/95 SAMPLER- CLIENT
TIME RECEIVED- 0835 DELIVERED BY- FEDX

SAMPLE MATRIX- WA
RECEIVED BY- KAB

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	BY	RESULT	UNITS	DET. LIMIT
LEAD, TOTAL	239.2	07/26/95	AKW	07/30/95	TWM	0.151	mg/l	0.001

LABORATORY DIRECTOR Teresa W McClanahan

NCDENR

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
FAYETTEVILLE REGIONAL OFFICE

JAMES B. HUNT JR.
GOVERNOR

BILL HOLMAN
SECRETARY

WILLIAM L. MEYER
DIRECTOR

June 5, 2000

Ms. Renee' Thomas
The Pantry, Inc.
P.O. Box 1410
Sanford, North Carolina 27330

SUBJECT: **Notice of No Further Action**
The Pantry #3018
504 West Saunders Street
Maxton, Robeson County, NC
Facility ID# 0-018092

Dear Ms. Thomas:

On May 15, 2000, the Underground Storage Tank (UST) Section, Division of Waste Management, Fayetteville Regional Office, received a Limited Site Assessment Report for the above-referenced site. A review of the report shows that soil contamination was not discovered during this investigation and that contaminated groundwater does not exceed concentrations 10 times the 15A NCAC 2L standard in the groundwater sample collected from MW-1.

Based on information provided to date, the UST Section classifies the risk posed by the discharge or release as low risk and determines that no further action is warranted at this time. This determination will apply unless the UST Section later determines that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment.

Pursuant to 15A NCAC 2L .0115(e), you have a continuing obligation to notify the UST Section of any changes that you know of or should know of, that might affect the level of risk assigned to the discharge or release. Also, please be advised that you must close any monitoring wells used to investigate this incident in accordance with 15A NCAC 2C .0113.

If you have any questions concerning this notice, please contact Kenneth Currie at (910)486-1541.

Sincerely,

Kenneth E. Currie
UST Section

cc: DWM Incident Management Files
Michael D. Shaw, P.G.
SPATCO Engineering & Geological Services, P.C.
5100 North I-85 Service Road, Suite 7A
Charlotte, North Carolina 28206

UST SECTION
225 GREEN STREET, SUITE 714 / SYSTEL BLD. FAYETTEVILLE, NORTH CAROLINA 28301-5043
PHONE: 910-486-1541 FAX: 910-486-0707
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED / 10% POST-CONSUMER PAPER
DENR TOLL FREE HOTLINE: 1-877-623-6748

NC Department of Environment and Natural Resources, Division of Waste Management, Underground Storage Tank Section

24-Hour Release and UST Leak Reporting Form

This form should be completed and submitted to the UST Section's regional office following a known or suspected release from an underground storage tank (UST) system. This form is required to be submitted within 24 hours of discovery of a known or suspected release.

(DWM USE ONLY)
Incident # 23907 Risk (H,I,L,U) L
Received On 5/15/00 Received By KEC
Reported by (*circle one*): Phone, Fax or Report
Region FRO

Suspected Contamination? (Y/N) _____
Confirmed GW Contamination? (Y/N) Y
Confirmed Soil Contamination ?(Y/N) Y
Free Product ? (Y/N) N If Yes, State Greatest Thickness _____

Facility ID Number 0-018092
Date Leak Discovered 3/15/00
Comm/Non-Commercial? Comm
Reg/Non-regulated? Regulated

INCIDENT DESCRIPTION

Incident Name: The Pantry # 3018

Address: 504 West Saunders Street | County: Robeson

City/Town: Maxton | Regional Office (*circle one*): Asheville, Mooresville, Fayetteville, Raleigh, Washington, Wilmington, Winston-Salem

Latitude (dd.mm.ssss): 34° 44' 15" Longitude (ddd.mm.ssss): 79° 21' 19" Confirmed by GPS? (Y/N) N

Briefly describe suspected or confirmed release: *(including but not limited to: Nature and extent of release, date of release, amount of release, amount of free product present and recovery efforts, initial responses conducted, impacts to receptors)*

A release was discovered during property transfer Assessment. An LSA was prepared and submitted. Site is Low Risk/Residential Land use. Only VPH/EPH range slightly exceeds 2L & Soil is below residential.

* Closed out on 6/5/2000 *

HOW RELEASE WAS DISCOVERED

(Check one)

- ☐ Release Detection Equipment or Methods
- ☐ During UST Closure/Removal
- ☒ Property Transfer
- ☐ Visual/Odor
- ☐ Water in Tank
- ☐ Water Supply Well Contamination
- ☐ Groundwater Contamination
- ☐ Surface Water Contamination
- ☐ Other (specify) _____

SOURCE OF CONTAMINATION

Primary Source of Contamination *(Check one)*

- ☐ Suspected UST Release
- ☒ Confirmed UST Release *(Also check one below)*:
  - ☐ A. Dispenser
  - ☐ B. Line Release
  - ☐ C. Tank Release
  - ☐ D. Spill/Overfill
  - ☒ E. Exact Failure Location Unknown or Multiple Failures
- ☐ Unknown Source (Believed to be UST Source, explain in "Incident Description" above)

Primary Contaminant Type *(Check one)*

- ☒ Gasoline/Diesel/Kerosene
- ☐ Heating Oil
- ☐ Other Petroleum Products
- ☐ Metals
- ☐ Other Inorganics
- ☐ Other Organics

Location *(Check one)*

- ☒ Facility
- ☐ Residence
- ☐ Other

Setting *(Check one)*

- ☐ Residential
- ☐ Industrial
- ☒ Urban
- ☐ Rural

Ownership
1. Municipal 2. Military 3. Unknown 4. Private 5. Federal 6. County 7. State

Operation Type
1. Public Service 2. Agricultural 3. Residential 4. Education/Relig. 5. Industrial 6. Commercial 7. Mining

IMPACT ON DRINKING WATER SUPPLIES

Water Supply Wells Affected? 1. Yes (2. No) 3. Unknown

Number of Water Supply Wells Affected _____

Water Supply Wells Contaminated: (*Include Users Names, Addresses and Phone Numbers. Attach additional sheet if necessary*)

1.

2.

3.

UST SYSTEM OWNER

UST Owner/Company			
The Pantry, Inc.			
Point of Contact		Address	
Renee' Thomas		P.O. Box 1410	
City	State	Zip Code	Telephone Number
Sanford	NC	27330	(919) 774-6700

UST SYSTEM OPERATOR

UST Operator/Company		Address	
Same			
City	State	Zip Code	Telephone Number

LANDOWNER AT LOCATION OF UST INCIDENT

Landowner		Address	
Phyllis S. Smith, Trustee		730 Arjean Drive	
City	State	Zip Code	Telephone Number
Wilmington	NC	28405	

Draw Sketch of Area (showing two major road intersections) or Attach Map

Attached

Person Reporting Incident	Company	Telephone Number
Ken Currie	FRO - UST Section	
Title	Address	Date
		1/18/02

RECEIVED
MAY 15 2000
FAYETTEVILLE
REG. OFFICE

Limited Site Assessment Report

Site Location:
The Pantry #3018
504 West Saunders Street
Maxton, North Carolina
Robeson County

Site Owner:
Phyllis S. Smith Trustee
& F H Simmons Jr. Trust
730 Arjean Drive
Wilmington, North Carolina 28405

Prepared For:
The Pantry, Inc.
Post Office Box 1410
Sanford, North Carolina 27330
(919) 774-6700

Project Number: 500308
Facility ID Number: 0-018092
Incident Number: Pending
Site Priority Ranking: Pending

General Site Information:
Surrounding Land Use – Commercial and Residential
Latitude/Longitude – N 34° 44.239' / W 79° 21.253'
Release Date – Unknown
Estimated Quantity – Unknown
Cause of Release – Underground Storage Tank System
UST Information – One 8,000 and two 4,000-gallon gasoline

Prepared by:

NORTH CAROLINA LICENSED SEAL 1338 GEOLOGIST MICHAEL DAVID SHAW

Michael D. Shaw, P.G.
NC Licensed Geologist #1338
SPATCO Engineering and
Geological Services, P.C.
5100 N. I-85 Service Road, Suite 7A
Charlotte, North Carolina 28206

May 8, 2000

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1.0 INTRODUCTION AND SITE HISTORY

The Pantry #3018 is a retail gasoline and convenience store located at 504 West Saunders Street/U.S. Highway 74 Business (aka West Martin Luther King, Jr. Drive) in Maxton, Robeson County, North Carolina. Figure 1 is an excerpt from a United States Geological Survey (USGS) 7.5 minute topographical quadrangle map showing the location of the site, as well as cultural and topographic features. The site is currently active and contains one 8,000-gallon and two 4,000-gallon gasoline underground storage tanks (USTs).

The Pantry, Inc. took over store operations from Quick Stop Food Mart, Inc. in the summer of 1998. A release was suspected during a Phase II assessment conducted for the property transaction. As a result of the findings, a Limited Site Assessment (LSA) was initiated by SEI Environmental, Inc. (SEI) to assess soil and groundwater quality at the site. This report summarizes results from the soil sample collected during installation of one groundwater monitoring well on March 15, 2000, and the groundwater sample collected from the monitoring well on March 16, 2000.

2.0 RECEPTOR INFORMATION AND RISK CHARACTERIZATION

A completed Limited Site Assessment Risk Classification and Land Use Form is included in Appendix A. The major points of the form are summarized below.

The subject property is currently active, and is zoned Highway Business. The surrounding properties to the east and southeast are zoned Residential (R-12). The surrounding properties to the southwest are zoned Residential Single Family Dwelling (RSFD), and the properties to the north are zoned Highway Business. The surrounding properties to the west are zoned Highway Business and Residential (R-12) and the properties to the south are zoned Residential (R-12). Figure 2 is a site map showing the site features and the UST pit locations.

The properties immediately adjacent to the subject property contain businesses or residences. A table containing the names and addresses of surrounding property owners adjacent to the subject site is contained in Appendix B, along with a vicinity map showing the locations of the properties.

Potential receptors for fuel oil vapors were not encountered. A 1,500-foot radius potable well search was performed, which revealed the presence of one public water supply well and one other possible well in the area. Figure 3 is a vicinity map showing the property uses in a 1,500-foot radius around the site. The Town of Maxton provides public water to the site and the surrounding area. The Town of Maxton gets its water from a water supply well which is located approximately 1,300 feet northeast of the subject site. Another possible well was identified approximately 1,400 feet northeast of the site, however, it did not appear to be functioning. The nearest surface water is a stream located approximately 1,700 feet west of the site, according to Figure 1.

There are no well head protection areas as defined in 42 USC 300h-7(e) within a 1,500 foot radius of the site. The site is located in the Coastal Plain Physiographic Province. Subsurface structures with potential to contain explosive vapors are not located near the release area.

3.0 SITE GEOLOGY AND SOIL SAMPLING

The site is located in the Cretaceous Black Creek Formation of the Coastal Plain Physiographic Province. According to the Geologic Map of North Carolina (Brown, et al., 1985), the bedrock is characterized by gray to black, lignitic clay and contains thin beds and laminae of fine-grained micaceous sand and thick lenses of cross-bedded sand. Glauconitic, fossiliferous clayey sand lenses are found in the upper part.

On March 15, 2000, one soil boring (MW-1) was advanced to the west of the UST pit to a depth of 20 feet below land surface (bls). During boring activities, soil samples were collected every five feet using a properly decontaminated split spoon sampler. The soil encountered while performing the soil borings was primarily a brown to orange medium sand and clay mix. Bedrock was encountered at a depth of approximately 20 feet bls. The soil boring location is shown on Figure 2. Soil Boring Logs are included in Appendix C.

The soil samples were divided into two representative portions. One portion was placed in a polyethylene bag for a minimum of five minutes to allow any petroleum hydrocarbons to volatilize. An organic vapor analyzer (OVA) was used to screen the head space of the bagged sample for volatile hydrocarbons. The second portion of each sample was placed into laboratory supplied, cleaned containers, sealed with a Teflon lined cap, placed in an iced cooler, and maintained at 4°C. One soil sample (MW-1 (5-7')) was submitted under chain-of-custody procedures to Environmental Conservation Laboratories in Jacksonville, Florida, for laboratory analysis. The soil sample was analyzed by EPA method 8260 and MADEP method VPH.

During drilling activities, suspected contaminated soil was placed into drums and left on site. A&D Environmental and Industrial Services, Inc. removed 2 drums of soil on April 18, 2000, and transported them to its facility in Archdale, North Carolina, for proper treatment and disposal. A non-hazardous material manifest is included in Appendix E.

4.0 MONITORING WELL CONSTRUCTION

On March 15, 2000, Phase I of the Limited Site Assessment was initiated with the installation of one type II monitoring well (MW-1) to a depth of 20 feet bls. The well was completed with five feet of 2 inch Schedule 40 PVC casing and fifteen feet of 0.010 inch slot PVC screen. The location of the monitoring well is noted on Figure 2.

The annulus of the well was filled with a sand filter pack to two feet above the top of the screened interval. A two foot thick bentonite seal was placed above the sand filter pack and hydrated with water. The remaining well bore was filled with grout to the surface. The well was completed flush to grade with a locking cap, watertight seal, and a bolt-down manhole. Soil Boring Logs and Well Construction Records are presented in Appendix C.

5.0 GROUNDWATER SAMPLING

Prior to sampling on March 16, 2000, monitoring well MW-1 was gauged with an electronic oil/water interface probe to measure depth to water and to detect any free product. Free product was not encountered in the monitoring well. Monitoring well construction and groundwater elevation data are included in Table 3.

The monitoring well was purged prior to sampling by removing a minimum of three well volumes. A groundwater sample was collected after the well was allowed to recover. The sample was collected using a new, disposable Teflon® bailer and placed in laboratory cleaned containers. The sample was maintained at 4°C and submitted under proper chain-of-custody procedures to Environmental Conservation Laboratories in Jacksonville, Florida, for analysis. The groundwater sample was analyzed by EPA methods 601, 602 (with IPE and MTBE), and 504.1 for EDB, MADEP method VPH, and standard method 3030c for lead.

6.0 SAMPLING RESULTS

6.1 Soil Analytical Results

One soil sample (MW-1 (5-7')) from the March 15, 2000, sampling event was submitted for laboratory analysis by EPA method 8260 and MADEP method VPH.

Petroleum hydrocarbons were not detected at concentrations above laboratory detection limits in soil sample MW-1 (5-7'). A summary of the soil sample analytical results is included in Table 1 and a copy of the laboratory report and chain-of-custody form is included in Appendix D.

6.2 Groundwater Analytical Results

A groundwater sample was collected from monitoring well MW-1 on March 16, 2000. The sample was analyzed by EPA methods 601, 602 (with IPE and MTBE), and 504.1 for EDB, MADEP method VPH, and standard method 3030c for lead.

Petroleum hydrocarbons were detected at concentrations above the 15A NCAC 2L groundwater standards in the groundwater sample. Monitoring well MW-1 contained concentrations of aliphatics in the C5-C8 range (1,100 µg/L (micrograms per liter)), aliphatics in the C9-C12 range (4,300 µg/L), and aromatics in the C9-C10 range (1,800 µg/L). However, concentrations of all three fractions were below 10 times the 15A NCAC 2L standards, therefore, a Phase II LSA was not initiated. The groundwater sample laboratory results are summarized in Table 2, and a copy of the laboratory report and chain-of-custody form is included in Appendix D.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The subject property is zoned Highway Business and potential future use indicates that it will remain at that zoning status. A 1,500-foot radius potable well search was performed, which revealed the presence of one public water supply well and one other possible well in the area. Figure 3 is a vicinity map showing the property uses in a 1,500-foot radius around the site. The Town of Maxton provides public water to the site and the surrounding area. The Town of Maxton gets its water from a water supply well which is located approximately 1,300 feet northeast of the subject site. Another possible well was identified approximately 1,400 feet northeast of the site, however, it did not appear to be functioning. The nearest surface water is a stream located approximately 1,700 feet west of the site.

Laboratory results indicate that contaminated soil was not encountered at the subject site. Aliphatics and aromatics were detected at concentrations above the 15A NCAC 2L standards in the groundwater sample collected from MW-1, however, all concentrations were below 10 times the 15A NCAC 2L standards.

Based on the information presented in this report, this site should be ranked low risk. Based on this information, the fact that no petroleum constituents were detected in the soil sample, and the fact that concentrations in the groundwater are below 10 times the 15A NCAC 2L standards, SPATCO Engineering and Geological Services, P.C. recommends that the NCDENR issue a "No Further Action" letter for this site, and the monitoring well be properly abandoned.

TABLE 1

Soil Sample Field Screening and Analytical Results

The Pantry #3018
504 West Saunders Street
Maxton, North Carolina
SEI Project Number 500308

Sample Location	Sample Depth (feet)	Date Sampled	OVA (ppm)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Total Xylenes (µg/kg)	MTBE (µg/kg)	C5-C8 Aliphatics (µg/kg)	C9-C12 Aliphatics (µg/kg)	C9-C10 Aromatics (µg/kg)
MW-1	5-7	03/15/00	0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
NCDWM Soil-to-Groundwater MSCCs				**5.6**	**7,000**	**240**	**5,000**	**920**	**72,000**	**3,255,000**	**34,000**

ppm – parts per million
µg/kg - micrograms per kilogram
BDL – Below detection limits
Bold denotes concentrations above the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (MSCC)

TABLE 2

Groundwater Analytical Results

The Pantry #3018
504 West Saunders Street
Maxton, North Carolina
SEI Project Number 500308

Sample Location	Date Sampled	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	MTBE µg/L)	EDB (µg/L)	C5-C8 Aliphatics (µg/L)	C9-C12 Aliphatics (µg/L)	C9-C10 Aromatics (µg/L)
MW-1	03/16/00	BDL	BDL	BDL	BDL	BDL	BDL	1,100	4,300	1,800
2L Standards		**1**	**29**	**1,000**	**530**	**200**	**0.0004**	**420**	**4,200**	**210**
10 x 2L Standards		**10**	**290**	**10,000**	**5,300**	**2,000**	**0.004**	**4,200**	**42,000**	**2,100**
GCLs		**5,000**	**29,000**	**257,500**	**87,500**	**200,000**	--	--	--	--

µg/L - micrograms per liter
BDL – Below detection limits
Bold denotes concentration is greater than the 15A NCAC 2L Standard
GCL - Gross Contamination Level

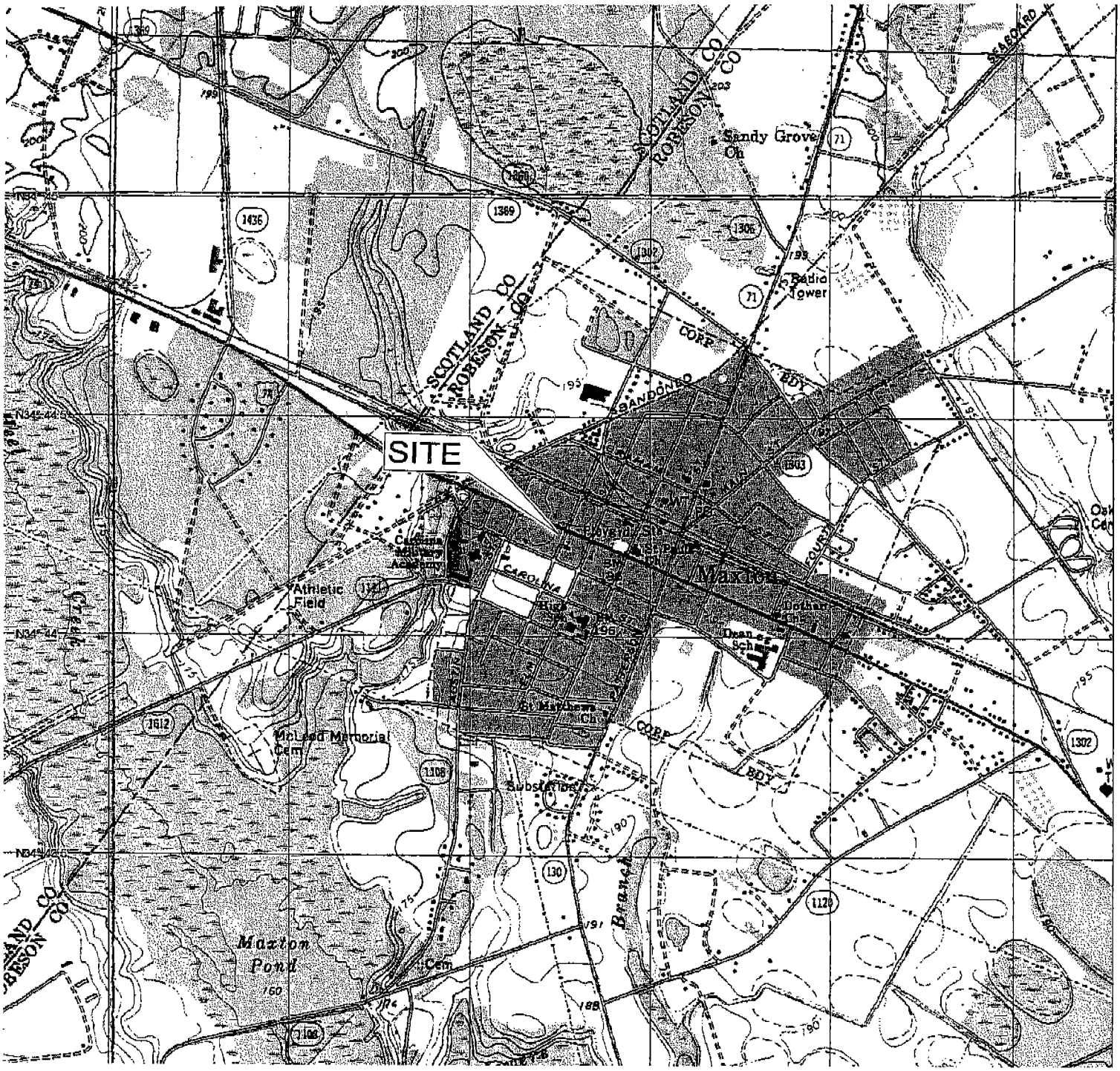
TABLE 3

Monitoring Well Construction and Groundwater Elevation Data

The Pantry #3018
504 West Saunders Street
Maxton, North Carolina
SEI Project Number 500308

Well ID	Date Installed	Total Depth (feet)	Screened Interval (feet)	Date Gauged	TOC Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)
MW-1	03/15/00	20	5-20	03/16/00	100	9.48	90.52

TOC – Top of casing elevations based on an arbitrary datum of 100 feet



SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

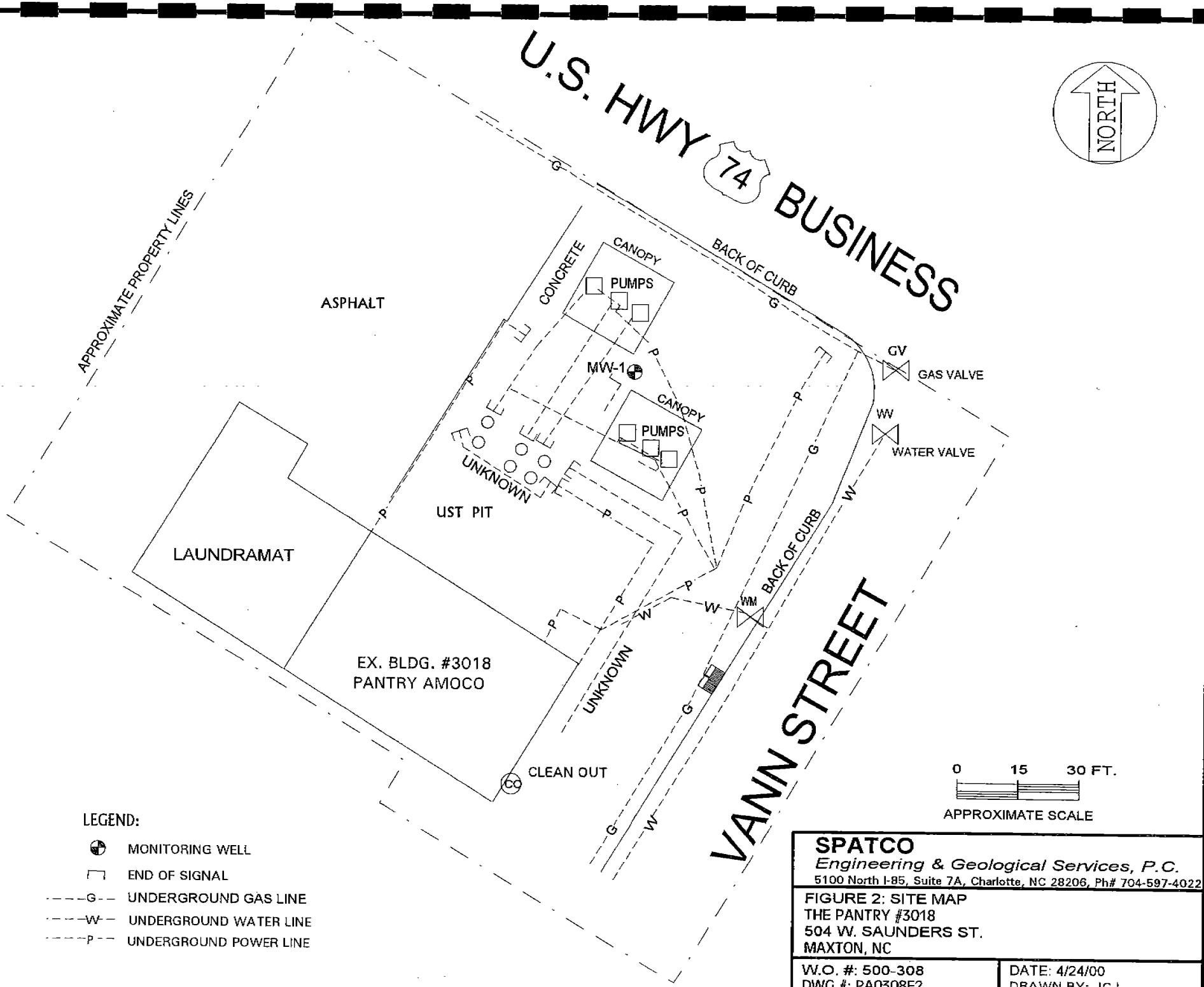
CONTOUR INTERVAL 5 FEET

NORTH

34° 44' 15"
79° 21' 19"

SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 1: USGS QUADRANGLE MAP
THE PANTRY #3018
504 W. SAUNDERS ST.
MAXTON, NC



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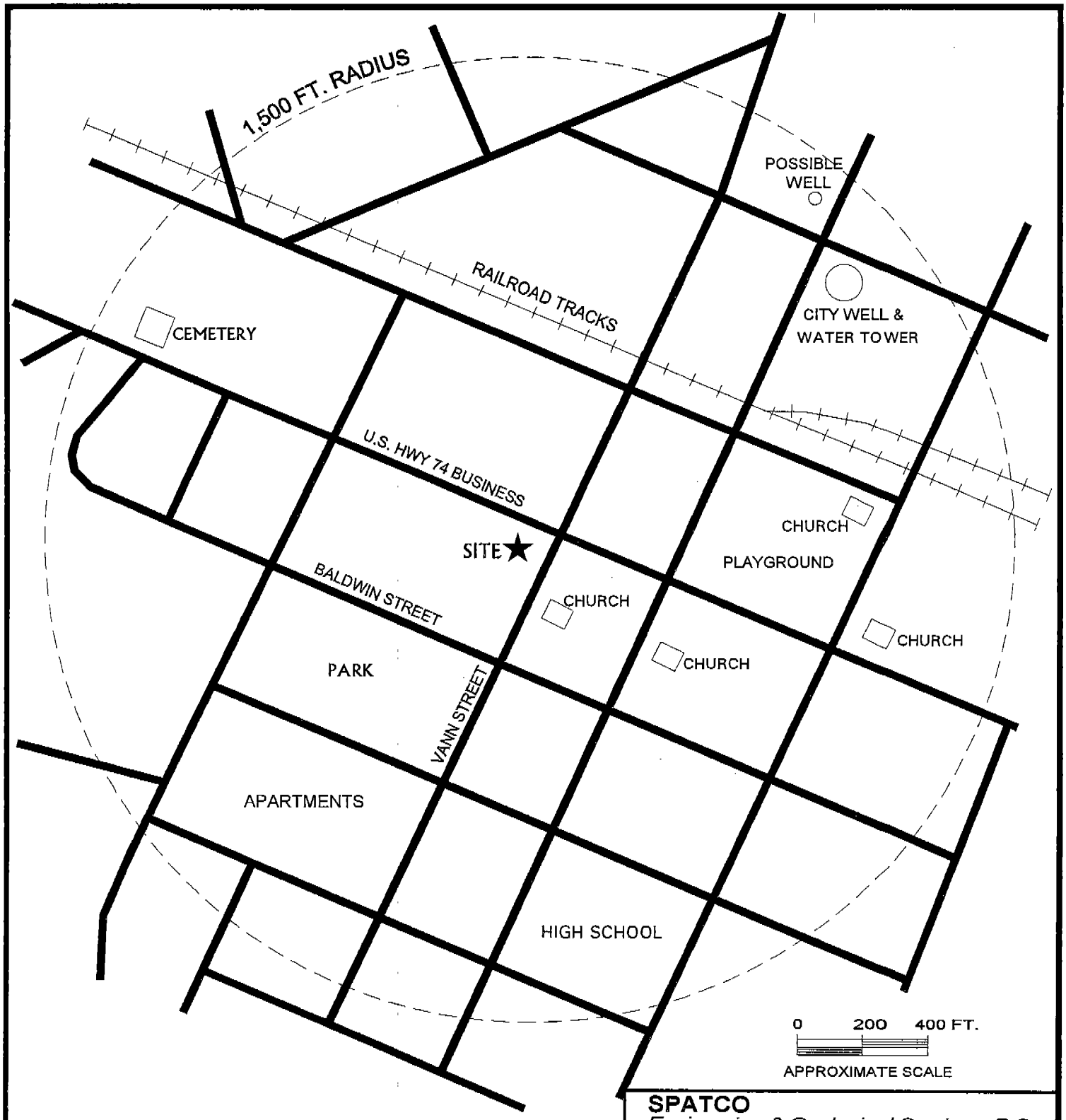
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 2: SITE MAP
THE PANTRY #3018
504 W. SAUNDERS ST.
MAXTON, NC

W.O. #: 500-308
DWG #: PA0308F2

DATE: 4/24/00
DRAWN BY: JCJ



SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 3: VICINITY MAP
THE PANTRY #3018
504 W. SAUNDERS ST.
MAXTON, NC

W.O. #: 500-308	DATE: 4/24/00
DWG #: PA0308F3	DRAWN BY: JCJ

Limited Site Assessment Risk Classification and Land Use Form

Part I - Groundwater/Surface water/Vapor Impacts

High Risk

1. Has the discharge or release contaminated any water supply well including any used for non-drinking purposes? **YES/NO**
   If yes, explain. _____

2. Is a water supply well used for drinking water located within 1000 feet of the source area the discharge or release? **YES/NO**

3. Is a water supply well used for any purpose (e.g., irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the release or discharge? **YES/NO**

4. Does groundwater within 500 feet of the source area of the discharge or release have the potential for future use in that there is no other source of water supply other than the groundwater? **YES/NO**
   Explain. _____

5. Do vapors from the discharge or release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety or the environment? **YES/NO**
   If yes, explain. _____

6. Are there any other factors that would cause the discharge or release to pose an imminent danger to public health, public safety, or the environment? **YES/NO**
   If yes, explain. _____

Intermediate Risk

7. Is a surface water body located within 500 feet of the source area of the discharge or release? **YES/NO**

If yes, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B .0200 by a factor of 10?

YES/NO

N/A

8. Is the source area of the discharge or release located within a designated wellhead protection area as defined in 42 USC 300h-7(e)? **YES/NO**
If yes, explain. To date, no state designated wellhead protection areas are recognized in the area.

9. Is the discharge or release located in the Coastal Plain physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985?

YES/NO

If yes, is the source area of the discharge or release located in an area in which there is recharge to an unconfined or semi-confined deeper aquifer that is being used or may be used as a source of drinking water? **YES/NO**
If yes, explain.

10. Do the levels of groundwater contamination for any contaminant exceed the gross contamination levels established (see Table 7) by the Department. **YES/NO**

Part II - Land Use

Property Containing Source Area of Discharge or Release

The questions below pertain to the property containing the source area of the release.

1. Does the property contain one or more primary or secondary residences (permanent or temporary)? **YES/NO**
   Explain. _____

2. Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly? **YES/NO**
   Explain. _____

3. Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped? **YES/NO**
   Explain. The site is a retail gasoline and convenience store.

4. Do children visit the property? **YES/NO**
   Explain. Children visit the property for short periods of time while accompanying their parents purchasing gasoline and/or groceries.

5. Is access to the property reliably restricted consistent with its use (e.g., by fences, security personnel or both)? **YES/NO**
   Explain. The site is an active gasoline station and access does not need to be restricted.

6. Do pavement, buildings, or other structures cap the contaminated soil? **YES/NO**
   Explain. The parking lot is covered by asphalt and concrete.

   If yes, what mechanisms are in place or can be put into place to ensure that the contaminated soil will remain capped in the foreseeable future? The site will most likely remain a gasoline station with an asphalt and concrete covered parking lot.

7. What is the zoning status of the property? Highway Business

8. Is the use of the property likely to change in the next 20 years? **YES/NO**
   Explain. The property will likely remain an active retail gasoline station.

Property Surrounding Source Area of Discharge or Release

The questions below pertain to the area within 1500 feet of the source area of the discharge or release (excludes property containing source area of the release):

11. What is the distance from the source area of the release to the nearest primary or secondary residence (permanent or temporary)? The nearest residences are located approximately 100 to 200 feet from the site.

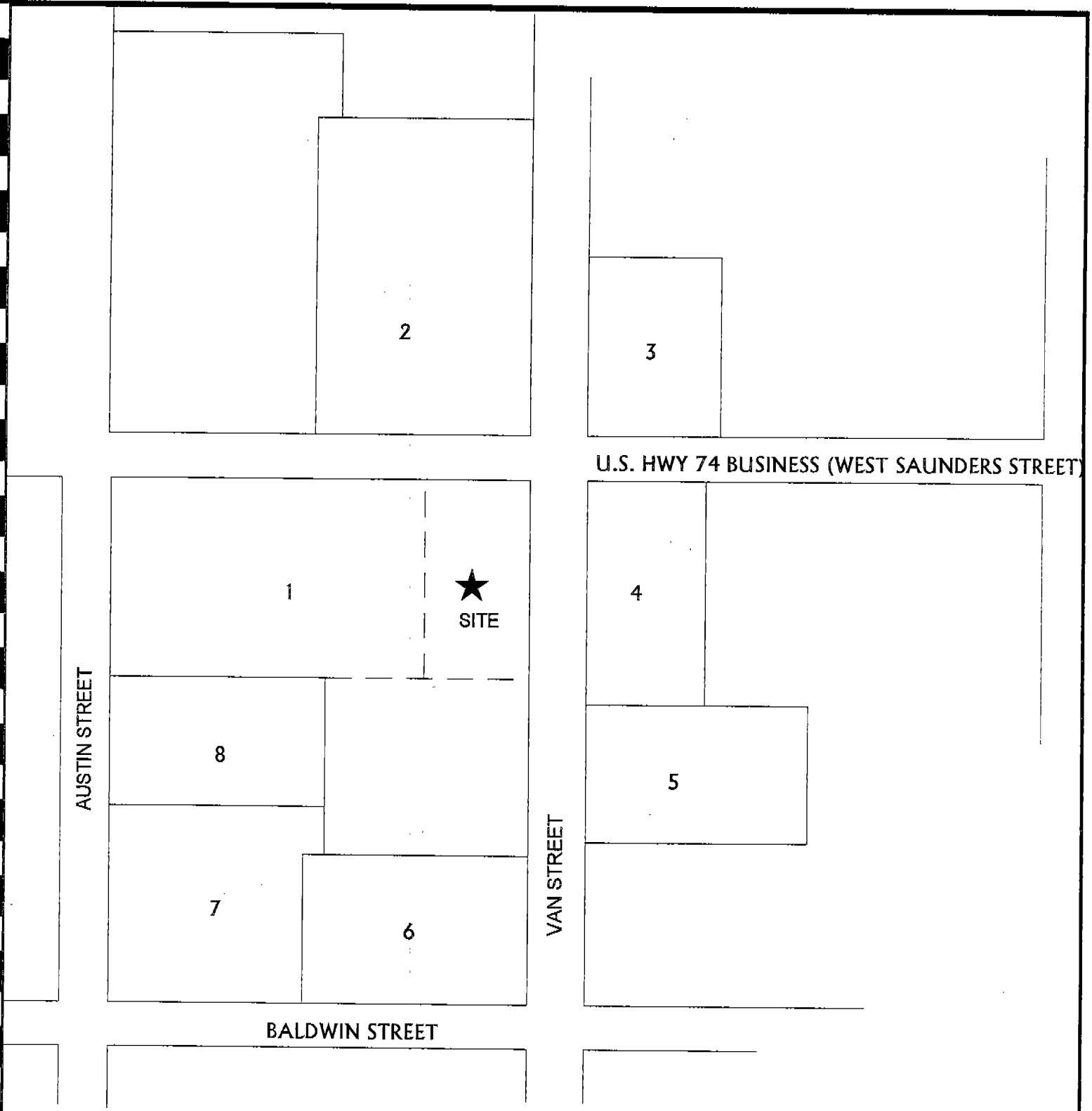
12. What is the distance from the source area of the release to the nearest school, daycare center, hospital, playground, park, recreation area, church, nursing home or other place of public assembly? A church is located approximately 200 feet southeast of the site, and a park is located approximately 500 feet southwest of the site.

13. What is the zoning status of properties in the surrounding area? The properties to the east, southeast, south, and west are zoned Residential (R-12), the properties to the southwest are zoned Residential Single Family Dwelling (RSFD), and the properties to the north and west are zoned Highway Business.

    Briefly characterize the use and activities of the land in the surrounding area. The areas to the north and west of the site are primarily commercial businesses, and the areas to the south and east are primarily residences.

APPENDIX B

Surrounding Property Owners The Pantry #3018 504 West Saunders Street Maxton, North Carolina SEI Project Number 500308		
Location on Vicinity Map	**Property Owner**	**Mailing Address**
1	Phyllis S. Smith Trustee F H Simmons Jr. Trust	730 Arjean Drive Wilmington, NC 28405
2	Johnny D. Sr. & Ethel Teeters	PO Box 211 Maxton, NC 28364
3	Johnny D. Sr. & Ethel Teeters	PO Box 211 Maxton, NC 28364
4	Willie H. & Martha Drake	806 McCaskill Avenue Maxton, NC 28364
5	Rudy U. Smith	PO Box 1 Maxton, NC 28364
6	Kathy H. Joseph	134 Vann Street Maxton, NC 28364
7	Shaletta L. McEachin	109 S. Austin Street Maxton, NC 28364
8	Katie Seals Currie	107 S. Austin Street Maxton, NC 28364



SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

SURROUNDING PROPERTY OWNERS MAP
THE PANTRY #3018
504 W. SAUNDERS ST.
MAXTON, NC

W.O. #: 500-308
DWG #: PA0308F1

DATE: 4/24/00
DRAWN BY: JCJ

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT
DIVISION OF ENVIRONMENTAL MANAGEMENT - GROUNDWATER SECTION
P.O. BOX 27587 - RALEIGH, N.C. 27611, PHONE (919) 733-3221

FOR OFFICE USE ONLY
Quad. No. _____ Serial No. _____
Lat. _____ Long. _____ Pc____
Minor Basin _____
Basin Code _____
Header Ent. _____ GW-1 Ent. _____

WELL CONSTRUCTION RECORD

DRILLING CONTRACTOR Geologic Exploration

DRILLER REGISTRATION NUMBER 1175

MW-1

STATE WELL CONSTRUCTION PERMIT NUMBER: _____

1. WELL LOCATION: (Show sketch of the location below)

Nearest Town: Maxton, North Carolina
504 W. Dr. Martin Luther King, Jr.
(Road, Community, or Subdivision and Lot No.)

County: Robeson

2. OWNER The Pantry, Inc. - Pantry # 3018
ADDRESS P.O. Box 1410
(Street or Route No.)
Sanford NC 27330
City or Town State Zip Code

3. DATE DRILLED 3/15/00 USE OF WELL Monitoring

4. TOTAL DEPTH 20' CUTTINGS COLLECTED Yes [X] No [ ]

5. DOES WELL REPLACE EXISTING WELL Yes [ ] No [X]

6. STATIC WATER LEVEL 9.0 FT. [ ] above [X] below TOP OF CASING.
TOP OF CASING IS 0 FT. ABOVE LAND SURFACE.

7. YIELD (gpm): N/A METHOD OF TEST N/A

8. WATER ZONES (depth): N/A

9. CHLORINATION: Type N/A Amount N/A

10. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
FROM	0	TO 5 FT	2"	Sch40	PVC
FROM		TO FT			

11. GROUT:

	Depth		Material	Method
FROM	0	TO 1 FT	Portland	Slurry
FROM		TO FT		

12. SCREEN:

	Depth		Diameter	Slot Size	Material
FROM	5	TO 20 FT	2 in	.010 in	PVC
FROM		TO FT	in	in	

13. GRAVEL PACK:

	Depth		Size	Material
FROM	3	TO 20 FT	20/30	Silica sand

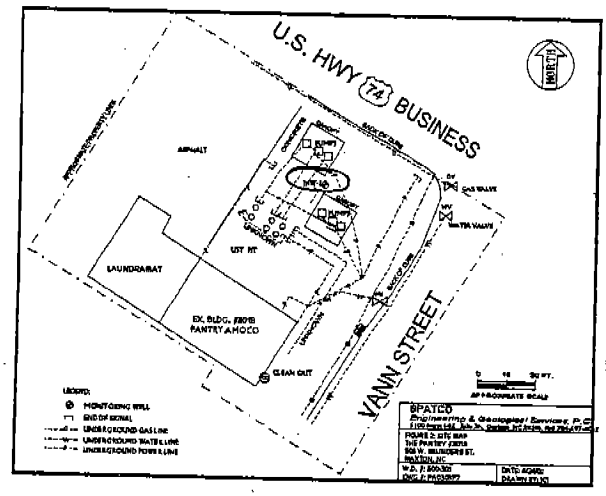
14. REMARKS: Bentonite Seal from 1-3'

Depth From	Depth To	DRILLING LOG Formation Description
0	1	Concrete/gravel
1	2	Medium orange sand
2	3	Medium brown sand
3	20	Medium orange sand/clay mix

If additional spaces is needed use back of form.

LOCATION SKETCH

(Show direction and distance from at least two State Roads, or other mapreference points)



I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15 NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

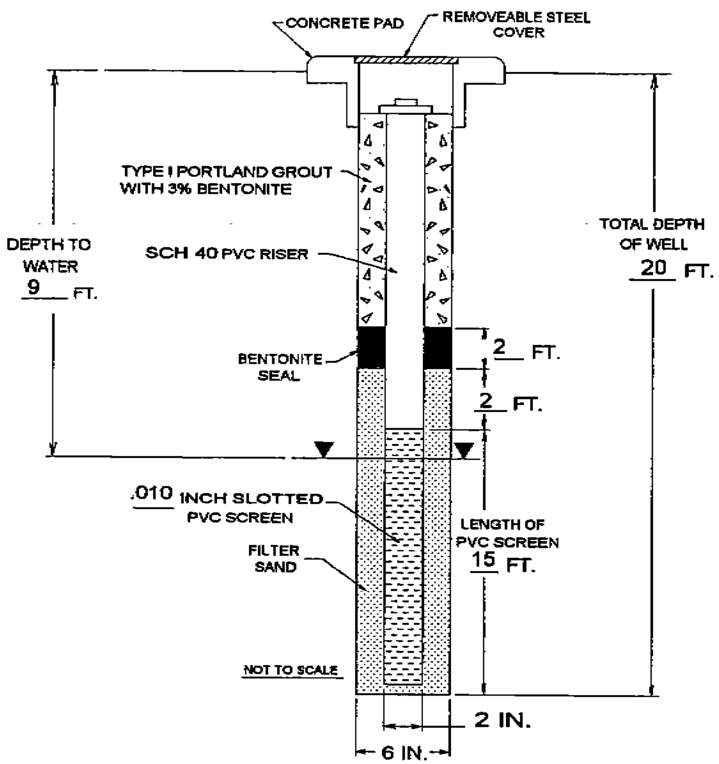
SIGNATURE OF CONTRACTOR OR AGENT DATE

Submit original to Division of Environmental Management and copy to well owner.

GW-1 Revised 6/88

Boring Log and Type II Well Construction Details

WELL IDENTIFICATION: MW-1 DATE DRILLED: 3/15/00
STATE PERMIT #: ______ WORK ORDER #: 500308
PROJECT NAME: Pantry #3018
SITE ADDRESS: 504 W. Dr. Martin Luther King, Jr.
LATITUDE: ______ LONGITUDE: ______
TOP OF CASING ELEV.: ______ LAND SURFACE ELEV.: ______



DRILLING METHOD: Hollow Stem Auger
SAMPLING METHOD: continuous geoprobe
GRAVEL PACK SIZE: 20/30 Silica Sand
SLOT SIZE: .010"
COMMENTS:

DEPTH	SAMPLE NUMBER	BLOW COUNT	RECOV-ERY	OVA (ppm)	UNIFIED METHOD	DESCRIPTIVE LOG
						concrete/gravel
						medium orange sand
						medium brown sand
						medium orange sand/clay mix
5						
	MW-1(5-7')	N/A		1		
10						
15						
20						
						Bottom of Boring

APPENDIX D

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
904 / 296-3007
Fax 904 / 296-6210
www.encolabs.com

ENCO Laboratories

DHRS Certification No. E82277

CLIENT : SEI Environmental, Inc.
ADDRESS: 130 Penmarc Drive
Suite 108
Raleigh, NC 27603

REPORT # : JAX10315
DATE SUBMITTED: March 17, 2000
DATE REPORTED : March 28, 2000

ATTENTION: Ms. Michelle McGinnis

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

PROJECT #: 500308

PA 3018

03/15/00

#1 - MW-1 (5-7') @ 15:10

PROJECT MANAGER Scott D. Martin
Scott D. Martin

ENCO LABORATORIES
REPORT # : JAX10315
DATE REPORTED: March 28, 2000
REFERENCE : 500308
PROJECT NAME : PA 3018

RESULTS OF ANALYSIS

EPA METHOD 8260 - VOLATILE ORGANICS	MW-1 (5-7')	LAB BLANK	Units
Dichlorodifluoromethane	2.0 U	2.0 U	µg/Kg
Chloromethane	1.0 U	1.0 U	µg/Kg
Vinyl Chloride	1.0 U	1.0 U	µg/Kg
Bromomethane	1.0 U	1.0 U	µg/Kg
Chloroethane	1.0 U	1.0 U	µg/Kg
Trichlorofluoromethane	1.0 U	1.0 U	µg/Kg
1,1-Dichloroethene	1.0 U	1.0 U	µg/Kg
Acetone	22 U	20 U	µg/Kg
Carbon Disulfide	22 U	20 U	µg/Kg
Methylene Chloride	6.0 U	5.0 U	µg/Kg
t-1,2-Dichloroethene	1.0 U	1.0 U	µg/Kg
Methyl tert-butyl ether	7.0 U	6.0 U	µg/Kg
Isopropyl Ether	1.0 U	1.0 U	µg/Kg
1,1-Dichloroethane	1.0 U	1.0 U	µg/Kg
2,2-Dichloropropane	2.0 U	2.0 U	µg/Kg
c-1,2-Dichloroethene	1.0 U	1.0 U	µg/Kg
2-Butanone	22 U	20 U	µg/Kg
Chloroform	1.0 U	1.0 U	µg/Kg
1,1,1-Trichloroethane	1.0 U	1.0 U	µg/Kg
Carbon tetrachloride	1.0 U	1.0 U	µg/Kg
1,1-Dichloropropene	1.0 U	1.0 U	µg/Kg
Benzene	1.0 U	1.0 U	µg/Kg
1,2-Dichloroethane	1.0 U	1.0 U	µg/Kg
Trichloroethene	1.0 U	1.0 U	µg/Kg
1,2-Dichloropropane	1.0 U	1.0 U	µg/Kg
Dibromomethane	1.0 U	1.0 U	µg/Kg
Bromodichloromethane	1.0 U	1.0 U	µg/Kg

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JAX10315
DATE REPORTED: March 28, 2000
REFERENCE : 500308
PROJECT NAME : PA 3018

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	MW-1 (5-7')	LAB BLANK	Units
2-Chloroethyl vinyl ether	7.0 U	6.0 U	µg/Kg
c-1,3-Dichloropropene	1.0 U	1.0 U	µg/Kg
4-Methyl-2-pentanone	22 U	20 U	µg/Kg
Toluene	1.0 U	1.0 U	µg/Kg
t-1,3-Dichloropropene	1.0 U	1.0 U	µg/Kg
1,1,2-Trichloroethane	1.0 U	1.0 U	µg/Kg
Tetrachloroethene	3.0 U	3.0 U	µg/Kg
1,3-Dichloropropane	1.0 U	1.0 U	µg/Kg
2-Hexanone	22 U	20 U	µg/Kg
Dibromochloromethane	1.0 U	1.0 U	µg/Kg
1,2-Dibromoethane	1.0 U	1.0 U	µg/Kg
Chlorobenzene	1.0 U	1.0 U	µg/Kg
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	µg/Kg
Ethylbenzene	1.0 U	1.0 U	µg/Kg
m-Xylene & p-Xylene	2.0 U	2.0 U	µg/Kg
o-Xylene	1.0 U	1.0 U	µg/Kg
Styrene	1.0 U	1.0 U	µg/Kg
Bromoform	1.0 U	1.0 U	µg/Kg
Isopropylbenzene	1.0 U	1.0 U	µg/Kg
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	µg/Kg
Bromobenzene	1.0 U	1.0 U	µg/Kg
1,2,3-Trichlorobenzene	1.0 U	1.0 U	µg/Kg
n-Propylbenzene	1.0 U	1.0 U	µg/Kg
2-Chlorotoluene	1.0 U	1.0 U	µg/Kg
1,3,5-Trimethylbenzene	1.0 U	1.0 U	µg/Kg
4-Chlorotoluene	1.0 U	1.0 U	µg/Kg

U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

EPA METHOD 8260 (cont.) - VOLATILE ORGANICS	MW-1 (5-7')	LAB BLANK	Units
tert-Butylbenzene	1.0 U	1.0 U	µg/Kg
1,2,4-Trimethylbenzene	1.0 U	1.0 U	µg/Kg
s-Butylbenzene	1.0 U	1.0 U	µg/Kg
1,3-Dichlorobenzene	1.0 U	1.0 U	µg/Kg
p-Isopropyltoluene	1.0 U	1.0 U	µg/Kg
1,4-Dichlorobenzene	1.0 U	1.0 U	µg/Kg
n-Butylbenzene	1.0 U	1.0 U	µg/Kg
1,2-Dichlorobenzene	1.0 U	1.0 U	µg/Kg
1,2-Dibromo-3-chloropropane	1.0 U	1.0 U	µg/Kg
1,2,4-Trichlorobenzene	1.0 U	1.0 U	µg/Kg
Hexachlorobutadiene	1.0 U	1.0 U	µg/Kg
Naphthalene	1.0 U	1.0 U	µg/Kg
1,2,3-Trichloropropane	1.0 U	1.0 U	µg/Kg
Bromochloromethane	1.0 U	1.0 U	µg/Kg
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	101	100	59-143
D8-Toluene	100	88	60-115
Bromofluorobenzene	90	93	55-144
Date Analyzed	03/28/00	03/28/00	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JAX10315
DATE REPORTED: March 28, 2000
REFERENCE : 500308
PROJECT NAME : PA 3018

RESULTS OF ANALYSIS

EPA METHOD MA VPH - Vol. Petr. Hydrocarbons	MW-1 (5-7')	LAB BLANK	Units
C5-C8 Aliphatics	3800 U D1	4000 U D2	µg/Kg
C9-C12 Aliphatics	1900 U D1	2000 U D2	µg/Kg
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
2,5-Dibromotoluene	74	104	70-130
Date Analyzed	03/19/00	03/19/00	

EPA METHOD MA VPH - Vol. Petr. Hydrocarbons	MW-1 (5-7')	LAB BLANK	Units
C9-C10 Aromatics	1900 U D1	2000 U D2	µg/Kg
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
2,5-Dibromotoluene	100	106	70-130
Date Analyzed	03/19/00	03/19/00	

MISCELLANEOUS	METHOD	MW-1 (5-7')	LAB BLANK	Units
Percent Solids	SM2540G	90	0.010 U	%
Date Analyzed		03/18/00	03/18/00	

U = Compound was analyzed for but not detected to the level shown.
D1 = Analyte value determined from a 1:85 dilution.
D2 = Analyte value determined from a 1:100 dilution.

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

SA[redacted]

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
PA 3018	500308	95563

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE
NC	DOUGLAS PARKER	919 832 2535 FAX 919 8325914

CLIENT NAME	CLIENT PROJECT MANAGER
SEI ENVIRONMENTAL	MCGINNIS

CLIENT ADDRESS (CITY, STATE, ZIP)
130 PENNMARC DR STE 108 RALEIGH NC 27603

MATRIX TYPE: SURFACE WATER | GROUND WATER | WASTEWATER | DRINKING WATER | SOIL/SOLID/SEDIMENT | NONAQUEOUS LIQUID (oil, solvent, etc.) | AIR | SLUDGE | OTHER

REQUIRED ANALYSIS: VPH 8260

PAGE [ ] OF [ ]

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

	SAMPLE												PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED							
	STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER							REMARKS
1		3/15/00	310	X		MW-1(5-7')					X					1	1					
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
				3.16.00	3:25			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			Vicky Kast	3/16/00	1625			
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			Vicky Kast	3/16/00	1540			

RECEIVED FOR LABORATORY BY: (SIGNATURE) ☒ Jacksonville ☐ Orlando	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
	3-17-00	13:39	☒ YES ☐ NO	JAX10315	

VPH (Aliphatics/Aromatics) Laboratory Reporting Form Continued

Client Name	SEI Environmental, Inc.	Laboratory Name :	Environmental Conservation Laboratories, Inc.
Project Name	PA3018, 500308	NC Certification # (Lab)	442
Site Location		Laboratory Report # :	JAX10315

INCLUDE APPROPRIATE UNITS

Sample Information and Analytical Results							
Sample Identification	MW-1 (5-7')						
Sample Matrix	soil						
Collection Option (for soil)*	EnCore						
Date Collected	15-Mar-00						
Date Received	17-Mar-00						
Date Extracted	17-Mar-00						
Date Analyzed	19-Mar-00						
Dry Weight	90%						
Dilution Factor	85						
C5 - C8 Aliphatics**	< 3400 µg/Kg						
C9 - C12 Aliphatics**	< 1700 µg/Kg						
C9 - C10 Aromatics**	< 1700 µg/Kg						
Surrogate % Recovery - PID	100%						
Surrogate % Recovery - FID	74%						

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCore) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 3/6/00

Calibration Ranges and Limits

Range	MDL	ML	RL
C5 -C8 Aliphatics	1400 ug/Kg	4000 ug/Kg	4000 ug/Kg
C9 - C12 Aliphatics	1900 ug/Kg	2000 ug/Kg	2000 ug/Kg
C9 -C10 Aromatics	1200 ug/Kg	2000 ug/Kg	2000 ug/Kg

NOTE: Please include units as appropriate

Method of Quantitation (indicate): **Avg Response Factor**

Calibration Concentration Levels

Range	Levels	%RSD or CCC
C5 - C8 Aliphatics	100 ug/L	1.3
	160 ug/L	
	400 ug/L	
	1600 ug/L	
	4000 ug/L	
C9 - C12 Aliphatics	10 ug/L	4.5
	40 ug/L	
	100 ug/L	
	400 ug/L	
	1000 ug/L	
C9 - C10 Aromatics	10 ug/L	8.8
	40 ug/L	
	100 ug/L	
	400 ug/L	
	1000 ug/L	

NOTE: Please indicate units as appropriate.

Calib. Check Date : 3/19/00

Calibration Check

Range	Level	RPD
C5 -C8 Aliphatics	400 ug/L	1
C9 - C12 Aliphatics	100 ug/L	2
C9 -C10 Aromatics	100 ug/L	6

MDL = Method Detection Limit

ML = Mimimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

ENCO LABORATORIES
REPORT # : JAX10334
DATE REPORTED: March 28, 2000
REFERENCE : PA 3018

RESULTS OF ANALYSIS

EPA METHOD 504 - EDB AND DBCP	MW-1	LAB BLANK	Units
Ethylene Dibromide	0.020 U	0.020 U	µg/L
Dibromochloropropane	0.020 U	0.020 U	µg/L
Date Extracted	03/20/00	03/20/00	
Date Analyzed	03/24/00	03/24/00	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JAX10334
DATE REPORTED: March 28, 2000
REFERENCE : PA 3018

RESULTS OF ANALYSIS

EPA METHOD 601 - VOLATILE HALOCARBONS	MW-1	LAB BLANK	Units
Dichlorodifluoromethane	1.0 U	1.0 U	µg/L
Chloromethane	2.0 U	2.0 U	µg/L
Vinyl Chloride	1.0 U	1.0 U	µg/L
Bromomethane	1.0 U	1.0 U	µg/L
Chloroethane	2.0 U	2.0 U	µg/L
Trichlorofluoromethane	2.0 U	2.0 U	µg/L
1,1-Dichloroethene	1.0 U	1.0 U	µg/L
Methylene Chloride	2.0 U	2.0 U	µg/L
t-1,2-Dichloroethene	1.0 U	1.0 U	µg/L
1,1-Dichloroethane	1.0 U	1.0 U	µg/L
c-1,2-Dichloroethene	1.0 U	1.0 U	µg/L
Chloroform	1.0 U	1.0 U	µg/L
1,1,1-Trichloroethane	1.0 U	1.0 U	µg/L
Carbon Tetrachloride	1.0 U	1.0 U	µg/L
1,2-Dichloroethane	1.0 U	1.0 U	µg/L
Trichloroethene	1.0 U	1.0 U	µg/L
1,2-Dichloropropane	1.0 U	1.0 U	µg/L
Bromodichloromethane	1.0 U	1.0 U	µg/L
c-1,3-Dichloropropene	1.0 U	1.0 U	µg/L
t-1,3-Dichloropropene	1.0 U	1.0 U	µg/L
1,1,2-Trichloroethane	1.0 U	1.0 U	µg/L
Tetrachloroethene	1.0 U	1.0 U	µg/L
Dibromochloromethane	1.0 U	1.0 U	µg/L
Chlorobenzene	1.0 U	1.0 U	µg/L
Bromoform	1.0 U	1.0 U	µg/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	µg/L
1,3-Dichlorobenzene	1.0 U	1.0 U	µg/L
1,4-Dichlorobenzene	1.0 U	1.0 U	µg/L
1,2-Dichlorobenzene	1.0 U	1.0 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Bromofluorobenzene	95	98	37-161
Date Analyzed	03/19/00	03/19/00	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JAX10334
DATE REPORTED: March 28, 2000
REFERENCE : PA 3018

RESULTS OF ANALYSIS

EPA METHOD 602 - VOLATILE AROMATICS	MW-1	LAB BLANK	Units
Methyl tert-butyl ether	1.0 U	1.0 U	µg/L
Isopropyl Ether	1.0 U	1.0 U	µg/L
Benzene	1.0 U	1.0 U	µg/L
Toluene	1.0 U	1.0 U	µg/L
Chlorobenzene	1.0 U	1.0 U	µg/L
Ethylbenzene	1.0 U	1.0 U	µg/L
m-Xylene & p-Xylene	1.0 U	1.0 U	µg/L
o-Xylene	1.0 U	1.0 U	µg/L
1,3-Dichlorobenzene	1.0 U	1.0 U	µg/L
1,4-Dichlorobenzene	1.0 U	1.0 U	µg/L
1,2-Dichlorobenzene	1.0 U	1.0 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Bromofluorobenzene	122	123	59-132
Date Analyzed	03/19/00	03/19/00	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JAX10334
DATE REPORTED: March 28, 2000
REFERENCE : PA 3018

RESULTS OF ANALYSIS

EPA METHOD MA VPH - Vol. Petr. Hydrocarbons	MW-1	LAB BLANK	Units
C5-C8 Aliphatics	1100	58 I	µg/L
C9-C12 Aliphatics	4300	20 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
2,5-Dibromotoluene	105	109	70-130
Date Analyzed	03/28/00	03/27/00	

EPA METHOD MA VPH - Vol. Petr. Hydrocarbons	MW-1	LAB BLANK	Units
C9-C10 Aromatics	1800	20 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
2,5-Dibromotoluene	100	119	70-130
Date Analyzed	03/28/00	03/27/00	

TOTAL METALS	METHOD	MW-1	LAB BLANK	Units
Lead	200.7	0.010 U	0.010 U	mg/L
Date Analyzed		03/20/00	03/20/00	

U = Compound was analyzed for but not detected to the level shown.
I = Analyte detected; value is between the Method Detection Level (MDL) and the Practical Quantitation Level (PQL).

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

2138

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Pantry 308	500308	[redacted]

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
N.C.	Nathan Robert	832-2535	832-5914

CLIENT NAME	CLIENT PROJECT MANAGER
S.E.A. Environmental	Michelle

CLIENT ADDRESS (CITY, STATE, ZIP): 130 Penmarc dr. Raleigh 27603

MATRIX TYPE: SURFACE WATER; GROUND WATER; WASTEWATER; DRINKING WATER; SOIL/SOLID/SEDIMENT; NONAQUEOUS LIQUID (oil, solvent, etc.); AIR; SLUDGE; OTHER

REQUIRED ANALYSIS: 601/602; 3020(dup); 504; VPH

PRESERVATIVE

PAGE 1 OF 1

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

STATION	SAMPLE DATE	SAMPLE TIME	GRAB	COMP	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1	3/16/00	2:59	✓		MW1	X X X X	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			[signature]	3/17/00	4:00			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
			Vicky Cast	3/17/00	1045			
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			Vicky Cast	3/17/00	1800			

RECEIVED FOR LABORATORY BY: (SIGNATURE) ☒ Jacksonville ☐ Orlando	DATE	TIME	CUSTODY INTACT ☐ YES ☐ NO	ENCO LOG NO.	REMARKS
[signature]	3-18			JAX 10334	

VPH (Aliphatics/Aromatics) Laboratory Reporting Form Continued

Client Name: SEI Environmental, Inc.
Project Name: PA 3018
Site Location:
Laboratory Name : Environmental Conservation Laboratories, Inc.
NC Certification # (Lab): 442
Laboratory Report # : JAX10334

INCLUDE APPROPRIATE UNITS

Sample Information and Analytical Results							
Sample Identification	MW-1						
Sample Matrix	water						
Collection Option (for soil)*							
Date Collected	16-Mar-00						
Date Received	18-Mar-00						
Date Extracted	N/A						
Date Analyzed	28-Mar-00						
Dry Weight	N/A						
Dilution Factor	1						
C5 - C8 Aliphatics**	1100 µg/L						
C9 - C12 Aliphatics**	4300 µg/L						
C9 - C10 Aromatics**	1800 µg/L						
Surrogate % Recovery - PID	100%						
Surrogate % Recovery - FID	105%						

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCore) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 3/6/00

Calibration Ranges and Limits

Range	MDL	ML	RL
C5 -C8 Aliphatics	19 ug/L	40 ug/L	40 ug/L
C9 - C12 Aliphatics	11 ug/L	20 ug/L	20 ug/L
C9 -C10 Aromatics	7 ug/L	20 ug/L	20 ug/L

NOTE: Please include units as appropriate

Method of Quantitation (indicate): **Avg. Response Factor**

Calibration Concentration Levels

Range	Levels	%RSD or CCC
C5 - C8 Aliphatics	100 ug/L	1.3
	160 ug/L	
	400 ug/L	
	1600 ug/L	
	4000 ug/L	
C9 - C12 Aliphatics	10 ug/L	4.5
	40 ug/L	
	100 ug/L	
	400 ug/L	
	1000 ug/L	
C9 - C10 Aromatics	10 ug/L	8.8
	40 ug/L	
	100 ug/L	
	400 ug/L	
	1000 ug/L	

NOTE: Please indicate units as appropriate.

Calib. Check Date : 3/27/00

Calibration Check

Range	Level	RPD
C5 -C8 Aliphatics	400 ug/L	1
C9 - C12 Aliphatics	100 ug/L	7
C9 -C10 Aromatics	100 ug/L	9

MDL = Method Detection Limit

ML = Mimimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

ROY COOPER
Governor
MICHAEL S. REGAN
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

November 23, 2020

MEMORANDUM TO FILE

THROUGH: Mike Haseltine, Acting Regional Supervisor
NCDEQ-DWM-UST Section, Fayetteville Regional Office

FROM: Kenneth E. Currie, Hydrogeologist
NCDEQ-DWM-UST Section, Fayetteville Regional Office

SUBJECT: SITE CLOSURE & NO FURTHER ACTION (NFA)

Incident Name: NCDOT – MAXTON
117 WILMINGTON ST., MAXTON

UST Number: FA-1798

Incident #: 29094

This file was reviewed on 11/20/2020, and it was determined that the incident is eligible to receive a No Further Action determination. Based on information contained in the incident file, the area of residual contamination is located under NCDOT right-of-way and/or Wilmington Street and is no longer accessible. Municipal water is available and used in the general area of this release. The above referenced incident is closed as of **11/23/2020**. No additional assessment or site work is required unless new information is made available to our office that indicates further investigation would be warranted.

Further, because the contaminated area is under Wilmington Street and/or within NCDOT right of way, there is no parcel available for deed recordation with land use restrictions. Public notice letters will be issued out of the Fayetteville Regional Office.

c: Mr. Mike Haseltine, Acting Regional Supervisor, NCDEQ-DWM-UST Section *(email copy)*
FRO Electronic Incident File #: 29094

RECEIVED
SEP 30 2003
DENR – FAYETTEVILLE REGIONAL OFFICE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

September 22, 2003

Mr. Eugene Jackson, NCDENR
Fayetteville Regional UST Supervisor
Systel Building
225 Green Street, Suite 714
Fayetteville, North Carolina 28301-5094

RE:	State Project:	8.7646048 (Z-4006K)
	WBS#:	35437.2.4
	Federal Project:	STP-FY99(1)
	County:	Roberson
	Description:	Maxton – Florence Street at CSX Transportation Crossing 630 959U

SUBJECT: UST Closure Assessment-UST Closure:
NCDOT Right-of-Way, Orphan Tank located along Wilmington Street in Maxton

Enclosed for your information is a report documenting UST Closure activities performed by Solutions Industrial & Environmental, Inc., for the North Carolina Department of Transportation (NCDOT). The NCDOT acquired this property along Wilmington Street (SR 1301) for right of way in the past where this orphan UST was discovered during construction operations for the widening of drainage ditches and sidewalk repairs. If you have any questions or concerns, I can be reached at 919-250-4088 or rjohnson3@dot.state.nc.us.

Sincerely,

Richard S. Johnson, L.G.
GeoEnvironmental Project Manager
NCDOT – Geotechnical Engineering Unit

cc:
Jim West, State Negotiator
Reginald Abbott, Jr., Division 6 Right of Way (w/ enclosure)
File

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL UNIT
GEOENVIRONMENTAL SECTION
1589 MAIL SERVICE CENTER
RALEIGH NC 27699-1589

TELEPHONE: 919-250-4088
FAX: 919-250-4237
WEBSITE: WWW.DOH.DOT.STATE.NC.US

LOCATION:
CENTURY CENTER COMPLEX
BUILDING B
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

RECEIVED
DENR – FAYETTEVILLE REGIONAL OFFICE

UST Closure Report
NC DOT Wilmington Street (SR 1301) Right-of-Way
Near 117 East Wilmington Street (SR 1301)
Maxton, North Carolina
Facility ID: none

Prepared for:

North Carolina DOT
Century Center
1020 Birch Ridge Drive
P.O. Box 25201
Raleigh, NC 27611

NC DOT Project 8.7646048 (Z-4006K)
WBS 35437.2.4
F.A. Project STP-FY99(1)

Prepared by:

Solutions Industrial & Environmental Services, Inc.
3722 Benson Drive
Raleigh, North Carolina 27609

Solutions - IES Project 1820.03A2.NDOT

Daniel K. Hirth, P.G.
Hydrogeologist

Gary Birk, P.E.
Project Engineer

September 17, 2003

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FIGURES

Figure 1 Site Location Map
Figure 2 Soil Sampling Location Map

TABLES

Table 1 Summary of Underground Storage Tank Information
Table 2 Summary of TPH Soil Analytical Results
Table 3 Summary of Constituent-Specific Soil Analytical Results
Table 4 Summary of Constituent-Specific Groundwater Analytical Results

APPENDICES

Appendix A	Submitted Forms
Appendix B	Photographs
Appendix C	Certificates of Disposal
Appendix D	Laboratory Analytical Reports

1.0 INTRODUCTION

Solutions-IES was retained by the North Carolina Department of Transportation (NC DOT) to oversee closure of one abandoned underground storage tank (UST) located in the Wilmington Street (SR 1301) right-of-way at a site located near 117 East Wilmington Street in Maxton, North Carolina, as shown in Figure 1. This report documents the UST closure activities and has been prepared following the required GW/UST-12 format.

2.0 GENERAL INFORMATION

2.1 FACILITY INFORMATION

The UST was located within the NC DOT right-of-way near 117 East Wilmington Street (SR 1301), Maxton, Robeson County, NC. The UST was located on the north side of the road, approximately 4.5 feet from a row of commercial properties. The properties include a barber shop, a record shop, two vacant stores, and a vacant lot. No petroleum retail facilities were observed near the site. The owner or operator of the UST was not identified. Since the tank was abandoned by their previous owner, responsibility for their proper closure was assumed by the NC DOT. The last content of the tank was gasoline, based on the presence of a strong gasoline odor in the tank and surrounding soil.

2.2 CONTACTS

The following list identifies the key contacts involved with closure of the four USTs:

1. Primary Contact Person:
   Mr. Richard Johnson
   North Carolina DOT
   Century Center
   1020 Birch Ridge Drive
   P.O. Box 25201
   Raleigh, NC 27611
   (919) 250-4088

2. Primary Consultant:
   Solutions Industrial & Environmental Services, Inc.
   3722 Benson Drive
   Raleigh, NC 27609
   (919) 873-1060

3.	Closure Subcontractor:	Soil Solutions, Inc. 1703 Vargrave Street Winston Salem, NC 27107 (336) 725-5844
4.	Analytical Laboratory:	Analytics, Inc. 8040-250 Villa Park Drive Richmond, VA 23228 (800) 888-8061

2.3 UST INFORMATION

Table 1 summarizes the information known about the UST that was removed from the NC DOT Wilmington Street (SR 1301) right-of-way site.

2.4 SITE CHARACTERISTICS

2.4.1 Past Release Information

There are no known past releases at this site.

2.4.2 Facility Status

The facility associated with the UST was not identified. The UST lies within a state road right-of-way. The nearest commercial property is a vacant lot and two vacant storefronts that do not appear to have been retail fuel facilities.

2.4.3 Surrounding Property

The surrounding property is urban commercial real estate and a railroad corridor. The topography at the site is a nearly flat upland between Shoe Heel Creek and the Lumber River. Figure 1 shows the topography and residences within 1,500 feet of the site.

2.4.4 Site Geology/Hydrogeology

The site area is located within the Coastal Plain of North Carolina at approximately 200 feet above sea level. The uplands consist of an urbanized region of former Carolina Bays. Carolina Bays are known to contain large quantities of humic material in sandy, oval lakes. Site borings identified light gray, silty sand as the primary soil beneath the UST. The site lies above a surficial aquifer that is separated from the Yorktown Aquifer by a confining unit, according to boring logs maintained by NC DENR[1].

Topographic highs typically act as recharge areas for groundwater. Groundwater flow is generally from higher elevations to lower elevations. The water table surface often mimics the land surface. Groundwater eventually discharges to springs and stream courses. Based on site topography, groundwater would be expected to flow to Jowers Branch, a tributary of Shoe Heel Creek. However, the extraordinarily flat uplands create a significant degree of uncertainty in the predicted flow direction.

2.4.5 Receptor Survey Results

There were no water supply wells identified at the site. The properties near the site are serviced by public water supply. The site buildings are constructed on concrete slabs. As such, there are no underground openings or structures beneath the buildings available for possible accumulation of hydrocarbon vapors.

There are many commercial, residential and institutional properties located within 1,500 feet of the site. Most of the properties are assumed to use public water supply lines as a source of potable water. The Town of Maxton owns two municipal water supply wells within 1,500 feet of the former tank. The closest surface water body is Jowers Branch located approximately 1,500 feet south-southeast of the UST location.

[1] The nearest NC DENR boring logs maintained by the Division of Water Resources are Laurenburg-Maxton Airport, EHNR Rex Rennert, EHNR Rowland.

3.0 CLOSURE PROCEDURES

3.1 PREPARATION FOR CLOSURE

Notice of the UST closure activities was provided to NCDENR's Fayetteville Regional Office (FRO) on August 7, 2003 by submitting a UST-3, Notice of Intent: UST Permanent Closure of Change-in-Service form (Appendix A) by facsimile. The FRO was also notified of the UST closure activities by phone on August 8, 2003. A DENR representative did not visit the site. Solutions-IES notified the fire marshal on August 8, 2003. The fire marshal was not present during removal of the UST. Solutions-IES met with the subcontractor, Soil Solutions, on August 8, 2003 to begin work. Photographs taken during the closure activities are presented in Appendix B.

The scope of work involved the closure of one 580-gallon UST located in the NC DOT right-of-way adjacent to 117 East Wilmington Street. In order to allow removal of the tank, Soil Solutions uncovered the tank using a track hoe. The UST was found at a depth of approximately 2 feet below land surface (ft bls). Soil in the vicinity of the UST contained petroleum odors. The overburden from the tank was removed by Soil Solutions for treatment at their permitted facility (number SRU40001) in Winston-Salem, NC.

After the UST was uncovered, a vacuum truck was used to remove any residual liquids contained in the tank. The UST contained 398 gallons of primarily water mixed with some gasoline. The UST was then purged of explosive vapors by adding dry ice to the tank. The tank was monitored for explosive vapors using a lower explosive limit (LEL) meter; the UST had an LEL of 0%.

3.2 RESIDUAL MATERIAL REMOVED

Approximately 398 gallons of water with a gasoline odor were removed from the USTs by HMHTTC Response, Inc. The residual material was containerized in a vacuum truck's steel tank. No samples of the water in the vacuum trucks were collected or analyzed. The liquid was transported for disposal at HOH, Inc. in Winston-Salem, NC. A copy of the Certificate of Disposal is provided in Appendix C.

3.3 EXCAVATION

The tank was removed using the arm of the track-hoe and a chain attached to an eyelet on the UST. Upon removal from the ground, the UST was visually inspected for exterior damage and signs of leakage and the soil was checked for signs of petroleum impact. With the exception of the hole torn in the tank by NC DOT workers the week prior, the UST was in good condition with no additional holes observed in the tank. Strong petroleum odors and stained soils were detected beneath the tank.

The UST was oriented in a generally east/west direction. The resulting excavation after removal of the tank was approximately 7 feet in a north/south direction by 13 feet in an east/west direction extending to a depth of 5 feet 6 inches bls. Figure 2 shows the approximate dimensions of the excavation. Soil samples collected from the tank pit registered readings of 7.5 parts per million (ppm) to 210 ppm on the Foxboro® organic vapor analyzer (OVA). Therefore, no additional soil excavation activities were conducted beyond those necessary to remove the tank. No product lines were encountered during the excavation. Additional information regarding field-screening and soil sampling is provided in Sections 4.1 and 4.2.

A total of 23.12 tons of soil was removed on August 8, 2003. The soil was loaded directly into trucks at the site and was transported to Soil Solutions' facility in Winston-Salem, North Carolina for treatment and disposal. The Certificate of Disposal for soil is provided in Appendix C.

The excavation was backfilled with clean fill provided by NC DOT. The fill material was compacted in 12-inch lifts with the track-hoe bucket. The surface of the excavation was covered with approximately 6 inches of gravel.

3.4 LOCATION AND METHOD OF TANK DISPOSAL

Upon removal from the ground, the UST was placed on a trailer and was transported to Coastal Carolina Recycling in Elizabethtown, NC for disposal. Scrap steel will be recycled at Nucor Steel Corporation in Sanford, NC. The Certificate of Disposal for the UST is provided in Appendix C.

4.0 SITE INVESTIGATION

4.1 FIELD SCREENING OF SOILS

Soils were screened in the field using an OVA. The OVA was calibrated at the start of each workday using standard 97 ppm methane in air calibration gas. The calibration of the instrument was re-checked over the course of the day by reinserting the tip of the instrument in the Tedlar® bag containing the calibration gas and comparing the display reading against the standard.

Discrete soil samples collected from the excavation were placed in resealable plastic bags. In the screening process, the bags were sealed and the headspace within the bag was allowed to equilibrate for approximately 20 minutes in a shaded area. The probe of the OVA was then inserted into the bag and the concentration (parts per million) of volatile organic compounds (VOCs) present in the headspace of the bag was read on the OVA display. Sample locations and concentrations were recorded on the field documents. Comparison of relative OVA readings was used to guide the excavation activities. Tables 2 and 3 summarize the OVA field screening measurements obtained from the samples collected at the site.

4.2 SOIL SAMPLING LOCATIONS AND SAMPLING PROCEDURES

Soil sampling was conducted according to NC DENR's *Guidelines for Tank Closure* published in 2000. The soil sample locations are shown on Figure 2.

The groundwater table was encountered at 4.5 ft bls. The 3.5 foot diameter tank was located 2 ft bls, and extended approximately 1 foot into the water table. Closure samples were not collected beneath the tank since the soil was saturated with water. However, soil samples were collected above the water table on all sides of the excavation (SB-1 through SB-4). All of the closure samples were collected within 1 foot of the water table.

The closure samples collected from the tank pit were collected from soil in the excavator bucket. The soil samples were field screened with the OVA, as described Section 4.1. Four samples (SB-1 through SB-4) were collected for laboratory analysis. The samples were shipped via Fedex and arrived after the sample hold times expired. Soil samples were recollected on August 14, 2003 at the expense of Fedex. The samples were collected at the same locations as previous samples, but using a Geoprobe® sampling tool.

The soil samples were collected in laboratory-supplied glassware and were placed on ice in an insulated cooler for delivery to Analytics Corporation in Richmond, VA. The closure samples were analyzed for gasoline and diesel range total petroleum hydrocarbons (TPH) by EPA Methods 5030/8015 Modified and 3550/8015 Modified, EPA Methods 8260B and 8270C with Method 5035 extraction, MADEP VPH, and MADEP EPH.

4.3 SOIL SAMPLING RESULTS

The soil sampling results for the TPH analyses are summarized in Table 2, and the constituent-specific analytical results are presented in Table 3. Copies of the analytical laboratory reports are provided in Appendix D.

The TPH results indicated concentrations above the NCDENR action level of 10 mg/kg in the samples collected from the northeast, northwest and southwest tank pit walls The results of the constituent-specific analyses indicated measurable concentrations of C9-C22 aromatic and C9-C18 aliphatic compounds at concentrations below NCDENR's soil-to-groundwater maximum soil contaminant concentrations (MSCCs) in the closure samples collected from the northeast and northwest tank pit walls.

4.4 GROUNDWATER OR SURFACE WATER SAMPLING ACTIVITIES

A groundwater sample was collected with a Geoprobe® tool on August 14, 2003. The sample was collected with a peristaltic pump at 8 ft bls at the SB-4 location. The water sample (W-1) was collected in laboratory-supplied containers and was placed on ice in an insulated cooler for delivery to Analytics Corporation in Richmond, VA. The water sample was analyzed for volatile halocarbons (Method 601), volatile aromatic hydrocarbons (Method 602), MADEP VPH, and lead (Method 3030C).

The results from sample W-1 indicate that benzene (5.34 µg/L) and ethylbenzene (78.20 µg/L) are above the NC groundwater standards. Lead was detected below the NC groundwater standard.

4.5 QUALITY CONTROL MEASURES

Soil collected for laboratory analysis was transferred to laboratory-supplied containers immediately upon collection. The containers were labeled with the sample location information, including date, time of

collection, and requested analyses. The filled containers were placed on ice to chill pending delivery to the laboratory. The second set of samples were collected on August 14, 2003 and were delivered to the laboratory by courier on August 15, 2003.

5.0 CONCLUSIONS AND RECOMMENDATIONS

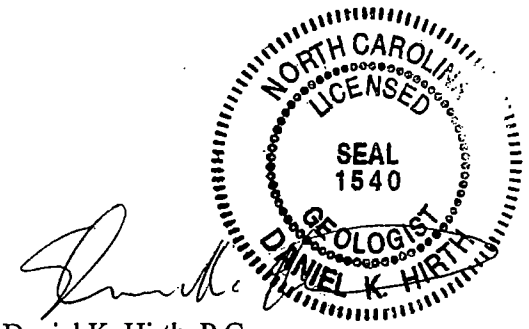
This UST closure was performed on behalf of NC DOT for the NC DOT Wilmington Street (SR 1301) right-of-way located near 117 East Wilmington Street (SR 1301), Maxton, NC. One underground storage tank was permanently closed on August 8, 2003. The excavation was backfilled on the same day. Based upon our field observations and laboratory results, TPH was detected in the former UST pit at concentrations above state regulatory levels, but all constituent specific analyses were below the Maximum Soil Contaminant Concentrations. A total of 23.12 tons of petroleum-contaminated soil was removed and disposed. A groundwater sample collected on August 14, 2003 indicated the presence of benzene and ethylbenzene above regulatory groundwater standards. Further assessment may be required by NCDENR to delineate the extent of groundwater impact in this area.

Title 15A, Subchapter 2N, Section .0702 of the North Carolina Administrative Code specifies that "owners or operators of UST systems must report to the implementing agency within 24 hours, or other reasonable time period...the discovery...of released regulated substances". Upon discovery of the UST, a release of hydrocarbons was reported to the State by NC DOT. Notification was submitted to the FRO prior to August 11, 2003. A reproduction of the 24-Hour Release and UST Leak Reporting Form is provided in Appendix A.

For regulated USTs, NC DENR requires submittal of a Site Investigation Report for Permanent Closure or Change-in Service of UST (form GW/UST-2). A copy of this form, which Solutions-IES has signed as an authorized agent of the NC DOT, is contained in Appendix A.

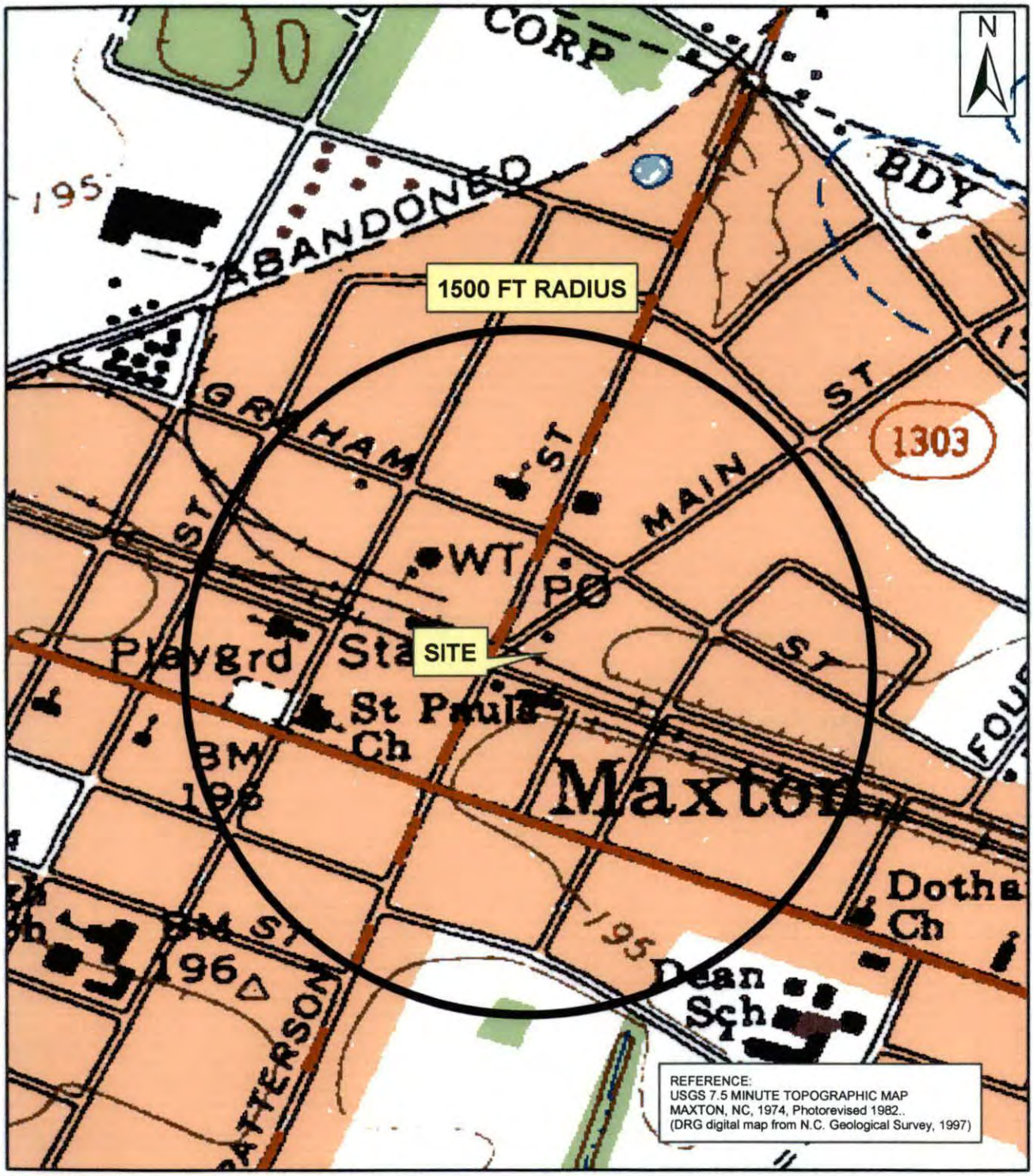
6.0 SIGNATURE AND SEAL OF PROFESSIONAL ENGINEER OR LICENSED GEOLOGIST

This report was prepared under my direction.



Daniel K. Hirth, P.G.
Hydrogeologist

FIGURES



1 : 8,000

SITE LOCATION MAP
NC DOT Wilmington Street (SR 1301) Right-of-Way
NCDOT Project #8.7646048 (Z-4006K)
near 117 East Wilmington Street (SR 1301)
Maxton, North Carolina

Solutions
Industrial & Environmental Services
3722 Benson Drive, Raleigh, NC 27609
Phone (919) 873-1060, Fax (919) 873-1074

Created by: BW	Project: 1820.03A2.NDOT
Checked by: DKH	Date: SEPTEMBER 16, 2003
File: Figure 1.mxd	FIGURE 1
Software: ESRI ArcMap 8.3	

NCDOT RIGHT-OF-WAY

115 WILMINGTON ST.

117 WILMINGTON ST.

VACANT LOT

DITCH

EDGE OF ROAD

SB-1

SB-2

FORMER UST

SB-3

W-1

SB-4

EXCAVATION LIMITS

WILMINGTON ST.

SIDEWALK

PROJECT NUMBER	DRAFTER	CHECKED BY	PROJECT MANAGER	DATE	FILE
1820.03A2.NDOT	BW	DKH	GB	9/10/03	FIG2

Solutions
Industrial & Environmental Services
3722 BENSON DRIVE
RALEIGH, NORTH CAROLINA 27609
TEL.: (919) 873-1060 FAX.: (919) 873-1074

0 10 20
SCALE IN FEET

SOIL SAMPLING LOCATION MAP
NC DOT WILMINGTON STREET (SR 1301) RIGHT-OF-WAY
NEAR 117 EAST WILMINGTON STREET (SR 1301)
MAXTON; NORTH CAROLINA
NCDOT PROJECT 8.7646048 (Z-4006K)

FIGURE:
2

TABLES

TABLE 1
SUMMARY OF UNDERGROUND STORAGE TANK INFORMATION
NC DOT Wilmington Street (SR 1301) Right-of-Way
near 117 East Wilmington Street (SR 1301), Maxton, North Carolina

Tank Number	Installation Date	Size (gallons)	Tank Dimensions	Last Contents	Previous Contents
1	Unknown	580	3.5 ft x 8.0 ft	Gasoline	Unknown

TABLE 2
SUMMARY OF TPH SOIL ANALYTICAL RESULTS
NC DOT Wilmington Street (SR 1301) Right-of-Way
near 117 East Wilmington Street (SR 1301), Maxton, North Carolina

Sample Information				Total Petroleum Hydrocarbons		OVA[5] (ppm)
Sample Number	Location	Depth (ft bls)[3]	Sample Date	Gasoline Range[1] (mg/kg)	Diesel Range[2] (mg/kg)	
SB-1	tank pit, SE wall	4.5	8/14/03	<10	<10	20
SB-2	tank pit, NE wall	4.5	8/14/03	<10	12	7.5
SB-3	tank pit, NW wall	4	8/14/03	22.7	13	210
SB-4	tank pit, SW wall	4.5	8/14/03	<10	13	140

Notes:

1. Total Petroleum Hydrocarbons (TPH) Method 5030/8015MOD - Gasoline Range Hydrocarbons
2. Total Petroleum Hydrocarbons (TPH) Method 3550/8015MOD - Diesel Range Hydrocarbons
3. Feet below land surface.
4. Shaded values exceed NC DENR action levels (10 mg/kg).
5. Samples were field analyzed with a Foxboro Organic Vapor Analyzer 128GC.

TABLE 3
SUMMARY OF CONSTITUENT-SPECIFIC SOIL ANALYTICAL RESULTS
NC DOT Wilmington Street (SR 1301) Right-of-Way
near 117 East Wilmington Street (SR 1301), Maxton, North Carolina

Soil Sample ID		SB-1	SB-2	SB-3	SB-4	Soil-to-Water Maximum Soil Contaminant Concentration
Sample Location		tank pit, SE wall	tank pit, NE wall	tank pit, NW wall	tank pit, SW wall	
Hydrocarbon Constituent	Sample Date	8/14/03	8/14/03	8/14/03	8/14/03	
	Sample Depth (ft bls)[1]	4.5	4.5	4	4.5	
EPA Method 8260B/5035 - Volatile Organics (µg/kg)						
Benzene		<50	<50	<50	<50	5.6
Ethylbenzene		<50	<50	<50	<50	240
Naphthalene		<500	<500	<500	<500	580
Toluene		<50	<50	<50	<50	7,000
Total Xylenes		<50	<50	<50	<50	5,000
IPE		<50	<50	<50	<50	370
MTBE		<50	<50	<50	<50	920
EPA Method 8270C/SW-846 - Semi-Volatile Organics (µg/kg)						
Naphthalene		<1,000	<1,000	<1,000	<1,000	580
MADEP VPH and EPH (mg/kg)						
C5-C8 Aliphatics		<10	<10	<10	<10	72
C9-C18 Aliphatics[3]		<10	<10	11.5	<10	424,799
C19-C36 Aliphatics		<10	<10	<10	<10	##[4]
C9-C22 Aromatics[5]		<10	12.3	<10	<10	34
OVA (ppm)						
Total Volatile Organic Vapors		20	7.5	210	140	NE[2]

Notes:

1. Feet below land surface
2. Not established.
3. Greater concentration of MADEP VPH C9 to C12 Aliphatics and MADEP EPH C9 to C18 Aliphatics.
4. Considered immobile.
5. Sum of MADEP VPH C9 to C10 Aromatics and MADEP EPH C11 to C22 Aromatics.
6. Shaded values exceed NC DENR Soil to Groundwater Maximum Soil Contaminant Concentrations.
7. Analytes not shown were not detected.

TABLE 4
SUMMARY OF CONSTITUENT-SPECIFIC GROUNDWATER ANALYTICAL RESULTS
NC DOT Wilmington Street (SR 1301) Right-of-Way
near 117 East Wilmington Street (SR 1301), Maxton, North Carolina

Water Sample ID		W-1	NC Groundwater Standards 15A NCAC 2L
Hydrocarbon Constituent	Sample Date	8/14/03	
EPA Method 601 - Volatile Halocarbons (µg/L)			
		none detected	
EPA Method 602 - Volatile Aromatic Hydrocarbons (µg/L)			
Benzene		5.34	1
Ethylbenzene		78.2	29
Toluene		5.84	1000
Total Xylenes		5.06	530
MADEP VPH (mg/L)			
C5-C8 Aliphatics		1.13	420
C9-C12 Aliphatics[3]		0.82	4,200
C9-C10 Aromatics[5]		0.41	210
Standard Method 3030C (mg/L)			
Lead		0.348	15

Notes:

1. Feet below land surface
2. Not established.
3. Greater concentration of MADEP VPH C9 to C12 Aliphatics and MADEP EPH C9 to C18 Aliphatics.
4. Considered immobile.
5. Sum of MADEP VPH C9 to C10 Aromatics and MADEP EPH C11 to C22 Aromatics.
6. Shaded values exceed NC DENR Soil to Groundwater Maximum Soil Contaminant Concentrations.
7. Analytes not shown were not detected.

APPENDIX A

SUBMITTED FORMS

UST-3 Notice of Intent: UST Permanent Closure of Change-in-Service

FOR TANKS IN **NC**

Return completed form to:
The DWM Regional Office located in the area where the facility is located. SEE MAP ON THE BACK OF THIS FORM FOR REGIONAL OFFICE ADDRESSES.

STATE USE ONLY
I.D. #_____
Date Received_____

INSTRUCTIONS

Complete and return at least five (5) working days prior to closure or change-in-service if a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and seals all closure reports. Otherwise, a thirty (30) day notice is required.

I. OWNERSHIP OF TANKS

Orphaw Ncdot Right of way
Owner Name (Corporation, Individual, Public Agency, or Other Entity)

Street Address

City | County

State | Zip Code

910 618 - 5690
Area Code | Phone Number

II. LOCATION

Orphaw
Facility Name or Company

NC Dot Right of way
Facility ID # (If known)

E Wilmington St
Street Address

Maxton | Robeson
City | County | Zip Code

910 - 618 - 5690
Area Code | Phone Number

III. CONTACT PERSONNEL

Name Richard Johnson Job Title NCDOT Phone Number 919 - 250 - 4088

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN SERVICE

1. Contact local fire marshal.
2. Plan entire closure event.
3. Conduct Site Soil Assessment.
4. If removing tanks or closing in place, refer to API Publication 2015 *Cleaning Petroleum Storage Tanks* and 1604 *Removal and Disposal of Used Underground Petroleum Storage Tanks.*
5. Provide a sketch locating piping, tanks and soil sampling locations.
6. Submit a closure report in the format of UST-12 (including the form UST-2) within thirty (30) days following the site investigation.
7. If a release from the tanks has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G. If a release has not occurred, the supervision, signature or seal of a P.E. or L.G. is not required.
8. Keep closure records for three (3) years.

V. WORK TO BE PERFORMED BY

Contractor Name Soil Solutions Inc
Address 1703 Vargrave St, Winston-Salem State NC Zip Code 27107
Contact Person Jay King Phone No. 336-725-5844
Primary Consultant Bryan Wolfe Phone No. 919 - 873 - 1060

VI. TANKS SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

Tank ID #	Tank Capacity	Last Contents	Proposed Activity: Closure – Removal	Proposed Activity: Closure – Abandonment in Place	Proposed Activity: Change-In-Service – New Contents Stored
1	Unknown	Unknown	☑	☐	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

I understand that I can be held responsible for environmental damage resulting from the improper disposal of my USTs. Read note on the back of this form before signing.
Print name and official title Gary M. Bilk, P.E. Senior Engineer Solutions-IES

Signature	Date Signed	SCHEDULED REMOVAL DATE	Notify your DWM Regional Office 48 hours before this date if scheduled removal date changes
	8-7-2003	8-8-2003	

UST-3 Rev 02/2001 White copy – Regional Office Yellow Copy – Central Office Pink Copy - Owner

UST-2 Site Investigation Report for Permanent Closure or Change-in-Service of UST

FOR TANKS IN **NC**

Return completed form to:
The DWM Regional office in the area the facility is located. SEE MAP ON THE BACK OF THIS FORM FOR REGIONAL OFFICE ADDRESSES. Return the yellow copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED".

STATE USE ONLY
I.D. #
Date Received

I. OWNERSHIP OF TANKS

Unknown - Orphan UST
Owner Name (Corporation, Individual, Public Agency, or Other Entity)

Street Address

City | County

State | Zip Code

Area Code | Phone Number

II. LOCATION OF TANKS

NC DOT Wilmington St (SR-1301) Right-of-Way
Facility Name or Company

Facility ID # (If known)

near 117 East Wilmington St (SR-1301)
Street Address

Maxton | Robeson | 28364
City | County | Zip Code

not available
Area Code | Phone Number

III. CONTACT PERSONNEL

Name Richard Johnson | Job Title Project Manager | Tel. No. 919-250-4088

Closure Contractor Soil Solutions | Address 1703 Vargrave St, 27107 | Tel. No. 336-725-5844

Primary Consultant Solutions-IES | Address 3722 Benson DR, 27609 | Tel. No. 919-873-1060

Lab Analytics, Inc. | Address 8040-250 Vida Park DR 23228 | Tel. No. 800-888-8061

IV. UST INFORMATION / V. EXCAVATION CONDITION

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in excavation Yes	Water in excavation No	Free product Yes	Free product No	Notable odor or visible soil contamination Yes	Notable odor or visible soil contamination No
1	500	3.5' x 8'	Gasoline	X			X	X	

VI. ADDITIONAL INFORMATION

See reverse side of pink copy (owner's copy) for additional information required by NC DWM in the written report and sketch.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

VII. CHECKLIST (CHECK THE ACTIVITIES COMPLETED)

PERMANENT CLOSURE
(For Removal or Abandonment-in-Place)

- [x] Contact local fire marshal
- [x] Notify DWM Regional Office before abandonment
- [x] Drain and flush piping into tank
- [x] Remove all product and residuals from tank
- [x] Excavate down to tank
- [x] Clean and inspect tank
- [x] Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps, and all other tank fixtures
- [x] Cap or plug all lines except the vent and fill lines
- [x] Purge the tank of all product and flammable vapors
- [x] Cut one or more large holes in the tank
- [x] Backfill the area

Date tank(s) Permanently Closed: 8-8-2003

Date of Change in-service:

ABANDONMENT IN PLACE

- [ ] Fill tank until material overflows tank opening
- [ ] Plug or cap all openings
- [ ] Disconnect and cap or remove vent line
- [ ] Solid inert material used --specify

RECEIVED
SEP 12 2003
DENR – FAYETTEVILLE REGIONAL OFFICE

REMOVAL

- [x] Create vent hole
- [x] Label tank
- [x] Dispose of tank in approved manner. Final tank destination:

Coastal Carolina Recycling in Elizabethtown, NC

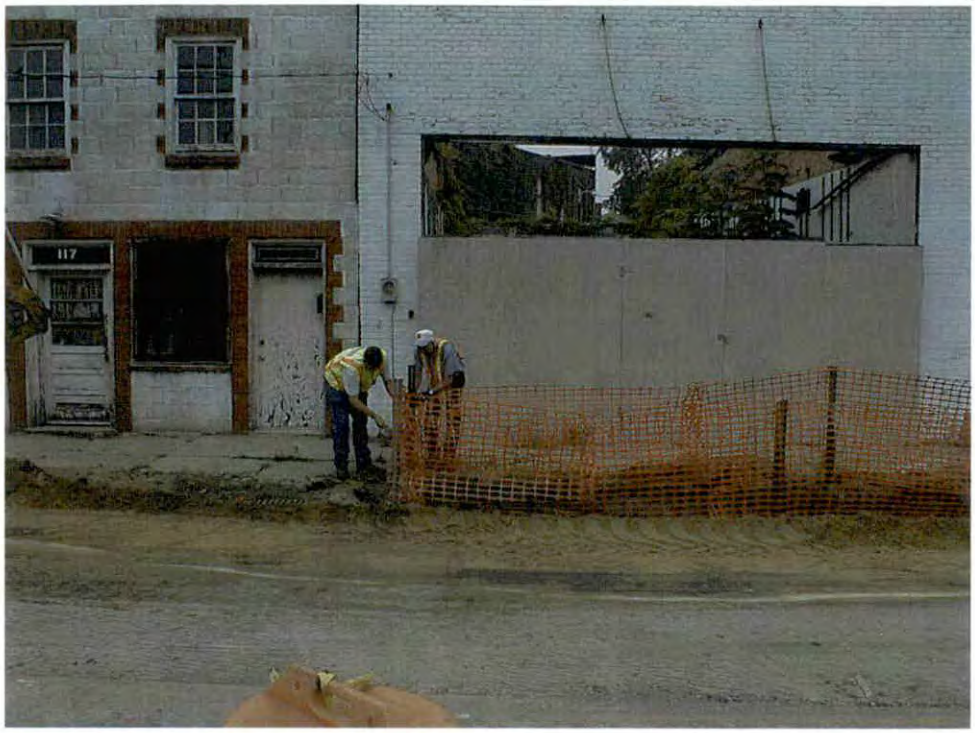
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true accurate and complete

Print name and official title of owner or owner's authorized representative	Signature	Date Signed
Daniel K. Hirth, Hydrogeologist + Agent for NCDOT		9-11-03

JST-2 Rev 02/2001 White copy – Regional Office Yellow Copy – Central Office Pink Copy - Owner

APPENDIX B

PHOTOGRAPHS



Photograph 1. Location of the UST.

Photograph 2. Removal of the UST.

APPENDIX C

CERTIFICATES OF DISPOSAL

SOIL SOLUTIONS

CERTIFICATE OF ACCEPTANCE

Soil Solutions, Inc. does hereby certify that 23.12 tons of non-hazardous contaminated material received on 08/08/2003 from:

Generator: NC Department of Transportation

Originating at: SR 1301 Wilmington Street
Maxton, NC

SSI Waste ID#: 080326

has been accepted by Soil Solutions, Inc. and will be remediated in their Soil Treatment Facility in Winston-Salem, North Carolina. Soil Solutions, Inc. guarantees the contaminated material will be treated to below regulatory standards established by the North Carolina Department of Environment and Natural Resources for clean soil.

Signature

Thomas W. Hammett
Vice President
Soil Solutions, Inc.

1703 Vargrave Street Winston-Salem, NC 27107
(336) 725-5844 FAX (336) 725-6244

SOIL SOLUTIONS

CERTIFICATE OF DISPOSAL

Soil Solutions, Inc. does hereby certify that 398 gallons of non-hazardous contaminated water received on 08/08/2003 from:

Generator: NC Department of Transportation

Originating at: SR 1301 Wilmington Street
Maxton, NC

SSI Waste ID#: 080326

has been disposed of by Soil Solutions, Inc. in a manner approved by the North Carolina Department of Environment and Natural Resources.

Signature

Thomas W. Hammett
Vice President
Soil Solutions, Inc.

1703 Vargrave Street Winston-Salem, NC 27107
(336) 725-5844 FAX (336) 725-6244

SOIL SOLUTIONS

TANK DISPOSAL CERTIFICATE

Tank Owner: NC Department of Transportation

Site Address: SR 1301 Wilmington Street
Maxton, NC

Description of Tank:	Tank Number	Size of Tank	Contents
	1	550 Gallons	Gasoline

Transporter: Soil Solutions, Inc.

SSI Project #: 080326

Disposal Certification: Soil Solutions, Inc. does hereby certify that the above named storage tank was transported to Coastal Carolina Recycling in Elizabethtown, NC for proper disposal. Excess residue will be disposed of by Noble Oil Company in Sanford, NC. Scrap steel from the tank will be recycled at Nucor Steel Corporation in Sanford, NC.

Signature:

Thomas W. Hammett
Vice President
Soil Solutions, Inc.

1703 Vargrave Street Winston-Salem, NC 27107
(336) 725-5844 FAX (336) 725-6244

SOIL SOLUTIONS, INC.

1703 Vargrave Street, Winston-Salem, NC 27107

NON-HAZARDOUS MATERIALS MANIFEST

Load # Manifest No. 51512

GENERATOR INFORMATION

Generator: NC DOT Phone: 919-873-1060

Site Address: SR 1301 Wilmington St.

City/State: Maxton, NC Contact: Gary Birk

MATERIAL DESCRIPTION / QUANTITY / WEIGHT

Gross Weight (lbs): 76,620 Material: Soil

Empty Weight (lbs): 30,380 Contaminant: Gasoline

Net Weight (lbs): 46240

Quantity 23.12 (Tons) Drums Pails Sacs Yards Other: _____

TRANSPORTER INFORMATION

Transporter: Soil Solutions, Inc. Phone: 336-725-5844

Truck #: SS202 Contact: Tony Disher

As the transporter, I certify that the materials described above being shipped under this non-hazardous materials manifest are properly classified, packaged, labeled, secured and are in proper condition for transport in commerce under the applicable regulations governing transportation, and I hereby receive this material for delivery to the facility designate.

Driver Signature: Tony C Disher Date: 8/8/03

FACILITY INFORMATION

SSI Project #: 080326

SOIL SOLUTIONS, INC.
1703 Vargrave Street
Winston-Salem, NC 27107

Phone: (336) 725-5844

Contact: Tony Disher

I certify that the carrier has delivered the materials described above to this facility, and I hereby accept this material for treatment and/or disposal in a manner that has been authorized by the State of North Carolina.

Facility Signature: Bobbie Eastman Date: 08-08-2003

White/Facility Canary/Invoice Goldenrod/Generator Pink/Carrier

Soil Solutions, Inc. 2002

WSDC
2000 LOWERY ST.
WINSTON SALEM NC 27101
TEL: 336-724-1204 FAX: 336-724-6514

#3

TIME IN: 08/08/03 TIME OUT: 14:08

SS 202
pd $3.00

ID:
MARK:
CARRIER: TRANSIENT WEIGHT
BALES: 0
GBSN:

0803326

GROSS WEIGHT:	0
TARE WEIGHT:	0
NET WEIGHT:	76620

APPENDIX D

LABORATORY ANALYTICAL REPORTS

ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No.: H230-060
Date: 09/03/03

BRIAN REBAR
SOLUTIONS INDUSTRIAL & ENV SVCS
3722 BENSON DRIVE
RALEIGH, NC 27609

The following types of samples were submitted for analysis on August 18, 2003

4 - Soil Sample; 1 - Water

Attached are the results we obtained on the analysis of your samples. Any Chains-of-Custody associated with this sample group are enclosed. Also enclosed is a copy of the Sample Container Receipt Form. The Sample Container Receipt Form documents the condition of the sample upon arrival at the laboratory. The last page of this report is identified by the signature of a designated laboratory manager(s). Any reproduction of this report, except in full, is not permitted without written approval of the laboratory manager and the QA manager.

The analyses performed are based on the referenced method. For details on the analytical process refer to the Standard Operating Procedure for the referenced method. The signatures at the end of this report certify that the results are based on the referenced methods and unless otherwise noted meet the requirements of NELAC.

Unless otherwise specified all analyses of solid materials are based on dry weight.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our client services department (800-888-8061).

Thank you for your business.

North Carolina State Certification (Environmental): 459
North Carolina State Certification (Drinking Water): 51700

ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H230-060
Account No. 32409375
Report Date: 09/03/03

BRIAN REBAR
SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

**** FINAL REPORT ****

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-001	SB-1 Sample Date: 08/14/03 12:08				
	EPH (Mass Method)				
	C11-C22 AROMATIC	< 10 mg/kg	10	MTS	08/24/03 11:50
	C19-C36 ALIPHATIC	< 10 mg/kg	10	MTS	08/23/03 23:58
	C9-C18 ALIPHATIC	< 10 mg/kg	10	MTS	08/23/03 23:58
	Diesel Range Organics	< 10 mg/kg	10	MCL	08/24/03 12:40
	8270 Extraction	Complt	--	MCL	08/26/03 18:57
	EPH EXTRACT	COMPLT	--	MTS	08/22/03 15:53
	Percent Moisture	13.4 %	.5	SJS	08/19/03 10:18
	DRO EXTRACTION	Complt	--	MCL	08/22/03 16:37
	Semi-volatile Organics by Method 8270				
	1,2,4-Trichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 16:18
	1,2-Dichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 16:18
	1,3-Dichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 16:18
	1,4-Dichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 16:18
	2,4,5-Trichlorophenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	2,4,6-Trichlorophenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	2,4-Dichlorophenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	2,4-Dimethylphenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	2,4-Dinitrophenol	< 4 mg/kg	4	MTS	08/29/03 16:18
	2,4-Dinitrotoluene	< 1 mg/kg	1	MTS	08/29/03 16:18
	2,6-Dinitrotoluene	< 1 mg/kg	1	MTS	08/29/03 16:18
	2-Chloronaphthalene	< 1 mg/kg	1	MTS	08/29/03 16:18
	2-Chlorophenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	2-Methylnaphthalene	< 1 mg/kg	1	MTS	08/29/03 16:18

ANALYTICS CORPORATION
8040 VILLA PARK DRIVE, SUITE 250
RICHMOND, VIRGINIA 23228
804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

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Account No. 32409375
Report Date: 09/03/03

BRIAN REBAR
SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-001	SB-1 Sample Date: 08/14/03 12:08				
	2-Methylphenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	2-Nitroaniline	< 1 mg/kg	1	MTS	08/29/03 16:18
	2-Nitrophenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	3,3'-Dichlorobenzidine	< 1 mg/kg	1	MTS	08/29/03 16:18
	3-Nitroaniline	< 2 mg/kg	2	MTS	08/29/03 16:18
	4,6-Dinitro-2-Methylphenol	< 4 mg/kg	4	MTS	08/29/03 16:18
	4-Bromophenyl-phenylether	< 1 mg/kg	1	MTS	08/29/03 16:18
	4-Chloro-3-Methylphenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	4-Chloroaniline	< 1 mg/kg	1	MTS	08/29/03 16:18
	4-Chlorophenyl-phenylether	< 1 mg/kg	1	MTS	08/29/03 16:18
	4-Methylphenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	4-Nitronaniline	< 1 mg/kg	1	MTS	08/29/03 16:18
	4-Nitrophenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	Acenaphthene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Acenaphthylene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Anthracene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Benzo(a)Anthracene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Benzo(a)Pyrene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Benzo(b)Fluoranthene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Benzo(g,h,i)Perylene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Benzo(k)Fluoranthene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Benzoic Acid	< 4 mg/kg	4	MTS	08/29/03 16:18
	Benzyl Alcohol	< 1 mg/kg	1	MTS	08/29/03 16:18
	Butylbenzylphthalate	< 1 mg/kg	1	MTS	08/29/03 16:18
	Chrysene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Di-N-Butylphthalate	< 4 mg/kg	4	MTS	08/29/03 16:18
	Di-n-Octyl Phthalate	< 1 mg/kg	1	MTS	08/29/03 16:18
	Dibenzo(a,h)Anthracene	< 1 mg/kg	1	MTS	08/29/03 16:18

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SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-001	SB-1 Sample Date: 08/14/03 12:08				
	Dibenzofuran	< 1 mg/kg	1	MTS	08/29/03 16:18
	Diethylphthalate	< 1 mg/kg	1	MTS	08/29/03 16:18
	Dimethyl Phthalate	< 1 mg/kg	1	MTS	08/29/03 16:18
	Fluoranthene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Fluorene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Hexachlorobenzene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Hexachlorobutadiene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Hexachlorocyclopentadiene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Hexachloroethane	< 1 mg/kg	1	MTS	08/29/03 16:18
	Indeno(1,2,3-cd)Pyrene	< 1 mg/kg	1	MTS	08/29/03 16:18
	N-Nitroso-Di-n-Propylamine	< 1 mg/kg	1	MTS	08/29/03 16:18
	N-Nitrosodiphenylamine	< 1 mg/kg	1	MTS	08/29/03 16:18
	Naphthalene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Nitrobenzene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Pentachlorophenol	< 4 mg/kg	4	MTS	08/29/03 16:18
	Phenanthrene	< 1 mg/kg	1	MTS	08/29/03 16:18
	Phenol	< 1 mg/kg	1	MTS	08/29/03 16:18
	Pyrene	< 1 mg/kg	1	MTS	08/29/03 16:18
	bis(-2-Chloroethoxy)Methane	< 1 mg/kg	1	MTS	08/29/03 16:18
	bis(-2-Chloroethyl)Ether	< 1 mg/kg	1	MTS	08/29/03 16:18
	bis(2-Chloroisopropyl)Ether	< 1 mg/kg	1	MTS	08/29/03 16:18
	bis(2-Ethylhexyl)Phthalate	< 1 mg/kg	1	MTS	08/29/03 16:18
	8260 Volatile Organics				
	1,1 Dichloroethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,1 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,1 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,1,1 Trichloroethane	< 50 ug/kg	50	LLB	08/25/03 05:02

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SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-001	SB-1 Sample Date: 08/14/03 12:08				
	1,1,1,2 Tetrachloroethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,1,2 Trichloroethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,1,2,2 Tetrachloroethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,2 Dibromo-3-Chloropropane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,2 Dibromoethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,2 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,2 Dichloroethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,2 Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,2,3 Trichlorobenzene	< 500 ug/kg	500	LLB	08/25/03 05:02
	1,2,3 Trichloropropane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,2,4 Trichlorobenzene	< 500 ug/kg	500	LLB	08/25/03 05:02
	1,2,4 Trimethylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,3 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,3 Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,3,5 Trimethylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	1,4 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	2,2-Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 05:02
	2-Butanone	< 50 ug/kg	50	LLB	08/25/03 05:02
	2-Chloroethyl Vinyl Ether	< 50 ug/kg	50	LLB	08/25/03 05:02
	2-Chlorotoluene	< 50 ug/kg	50	LLB	08/25/03 05:02
	2-Hexanone	< 50 ug/kg	50	LLB	08/25/03 05:02
	4-Chlorotoluene	< 50 ug/kg	50	LLB	08/25/03 05:02
	4-Methyl-2-Pentanone	< 50 ug/kg	50	LLB	08/25/03 05:02
	Acetone	< 250 ug/kg	250	LLB	08/25/03 05:02
	Acetonitrile	< 50 ug/kg	50	LLB	08/25/03 05:02
	Acrolein	< 50 ug/kg	50	LLB	08/25/03 05:02
	Acrylonitrile	< 50 ug/kg	50	LLB	08/25/03 05:02
	Benzene	< 50 ug/kg	50	LLB	08/25/03 05:02

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SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
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Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-001	SB-1 Sample Date: 08/14/03 12:08				
	Bromobenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Bromochloromethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	Bromodichloromethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	Bromoform	< 50 ug/kg	50	LLB	08/25/03 05:02
	Bromomethane	< 100 ug/kg	100	LLB	08/25/03 05:02
	Carbon Tetrachloride	< 50 ug/kg	50	LLB	08/25/03 05:02
	Carbon disulfide	< 50 ug/kg	50	LLB	08/25/03 05:02
	Chlorobenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Chlorodibromomethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	Chloroethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	Chloroform	< 50 ug/kg	50	LLB	08/25/03 05:02
	Chloromethane	< 250 ug/kg	250	LLB	08/25/03 05:02
	Cis-1,2 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Cis-1,3 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Dibromomethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	Dichlordifluoromethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	Ethyl methacrylate	< 50 ug/kg	50	LLB	08/25/03 05:02
	Ethylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Hexachlorobutadiene	< 500 ug/kg	500	LLB	08/25/03 05:02
	Iodomethane	< 500 ug/kg	500	LLB	08/25/03 05:02
	Isopropyl Ether	< 50 ug/kg	50	LLB	08/25/03 05:02
	Isopropyl benzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	M,P Xylene	< 100 ug/kg	100	LLB	08/25/03 05:02
	Methacrylonitrile	< 50 ug/kg	50	LLB	08/25/03 05:02
	Methyl methacrylate	< 50 ug/kg	50	LLB	08/25/03 05:02
	Methyl t-Butyl Ether	< 50 ug/kg	50	LLB	08/25/03 05:02
	Methylene Chloride	< 50 ug/kg	50	LLB	08/25/03 05:02
	N-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:02

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Report Date: 09/03/03

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SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-001	SB-1 Sample Date: 08/14/03 12:08				
	N-Propylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Naphthalene	< 500 ug/kg	500	LLB	08/25/03 05:02
	O-Xylene	< 50 ug/kg	50	LLB	08/25/03 05:02
	P-Isopropyltoluene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Sec-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Styrene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Tert-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Tetrachloroethene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Toluene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Trans-1,2 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Trans-1,3 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Trichloroethene	< 50 ug/kg	50	LLB	08/25/03 05:02
	Trichlorofluoromethane	< 50 ug/kg	50	LLB	08/25/03 05:02
	Vinyl Chloride	< 50 ug/kg	50	LLB	08/25/03 05:02
	Vinyl acetate	< 50 ug/kg	50	LLB	08/25/03 05:02
	TPH-GRO	< 10 mg/kg	10	LLB	08/21/03 21:12
	VPH (Mass Method)				
	C5-C8 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 21:12
	C9-C10 Aromatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 21:12
	C9-C12 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 21:12
-002	SB-2 Sample Date: 08/14/03 12:40				
	EPH (Mass Method)				
	C11-C22 AROMATIC	12.3 mg/kg	10	MTS	08/24/03 12:22

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Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-002	SB-2 Sample Date: 08/14/03 12:40				
	C19-C36 ALIPHATIC	< 10 mg/kg	10	MTS	08/24/03 00:37
	C9-C18 ALIPHATIC	< 10 mg/kg	10	MTS	08/24/03 00:37
	Diesel Range Organics	12 mg/kg	10	MCL	08/24/03 12:40
	8270 Extraction	Complt	--	MCL	08/26/03 18:57
	EPH EXTRACT	COMPLT	--	MTS	08/22/03 15:53
	Percent Moisture	19.0 %	.5	SJS	08/19/03 10:18
	DRO EXTRACTION	Complt	--	MCL	08/22/03 16:37
	Semi-volatile Organics by Method 8270				
	1,2,4-Trichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	1,2-Dichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	1,3-Dichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	1,4-Dichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4,5-Trichlorophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4,6-Trichlorophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4-Dichlorophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4-Dimethylphenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4-Dinitrophenol	< 4 mg/kg	4	MTS	08/29/03 18:18
	2,4-Dinitrotoluene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,6-Dinitrotoluene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Chloronaphthalene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Chlorophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Methylnaphthalene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Methylphenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Nitroaniline	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Nitrophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	3,3'-Dichlorobenzidine	< 1 mg/kg	1	MTS	08/29/03 18:18

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Final Report

Date Received: 08/18/03 14:25
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Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-002	SB-2 Sample Date: 08/14/03 12:40				
	3-Nitroaniline	< 2 mg/kg	2	MTS	08/29/03 18:18
	4,6-Dinitro-2-Methylphenol	< 4 mg/kg	4	MTS	08/29/03 18:18
	4-Bromophenyl-phenylether	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Chloro-3-Methylphenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Chloroaniline	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Chlorophenyl-phenylether	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Methylphenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Nitronaniline	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Nitrophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	Acenaphthene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Acenaphthylene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Anthracene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(a)Anthracene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(a)Pyrene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(b)Fluoranthene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(g,h,i)Perylene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(k)Fluoranthene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzoic Acid	< 4 mg/kg	4	MTS	08/29/03 18:18
	Benzyl Alcohol	< 1 mg/kg	1	MTS	08/29/03 18:18
	Butylbenzylphthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	Chrysene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Di-N-Butylphthalate	< 4 mg/kg	4	MTS	08/29/03 18:18
	Di-n-Octyl Phthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	Dibenzo(a,h)Anthracene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Dibenzofuran	< 1 mg/kg	1	MTS	08/29/03 18:18
	Diethylphthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	Dimethyl Phthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	Fluoranthene	< 1 mg/kg	1	MTS	08/29/03 18:18

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Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-002	SB-2 Sample Date: 08/14/03 12:40				
	Fluorene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Hexachlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Hexachlorobutadiene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Hexachlorocyclopentadiene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Hexachloroethane	< 1 mg/kg	1	MTS	08/29/03 18:18
	Indeno(1,2,3-cd)Pyrene	< 1 mg/kg	1	MTS	08/29/03 18:18
	N-Nitroso-Di-n-Propylamine	< 1 mg/kg	1	MTS	08/29/03 18:18
	N-Nitrosodiphenylamine	< 1 mg/kg	1	MTS	08/29/03 18:18
	Naphthalene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Nitrobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Pentachlorophenol	< 4 mg/kg	4	MTS	08/29/03 18:18
	Phenanthrene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Phenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	Pyrene	< 1 mg/kg	1	MTS	08/29/03 18:18
	bis(-2-Chloroethoxy)Methane	< 1 mg/kg	1	MTS	08/29/03 18:18
	bis(-2-Chloroethyl)Ether	< 1 mg/kg	1	MTS	08/29/03 18:18
	bis(2-Chloroisopropyl)Ether	< 1 mg/kg	1	MTS	08/29/03 18:18
	bis(2-Ethylhexyl)Phthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	8260 Volatile Organics				
	1,1 Dichloroethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,1 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,1 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,1,1 Trichloroethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,1,1,2 Tetrachloroethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,1,2 Trichloroethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,1,2,2 Tetrachloroethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,2 Dibromo-3-Chloropropane	< 50 ug/kg	50	LLB	08/25/03 05:39

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Report Date: 09/03/03

BRIAN REBAR
SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-002	SB-2 Sample Date: 08/14/03 12:40				
	1,2 Dibromoethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,2 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,2 Dichloroethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,2 Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,2,3 Trichlorobenzene	< 500 ug/kg	500	LLB	08/25/03 05:39
	1,2,3 Trichloropropane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,2,4 Trichlorobenzene	< 500 ug/kg	500	LLB	08/25/03 05:39
	1,2,4 Trimethylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,3 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,3 Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,3,5 Trimethylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	1,4 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	2,2-Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 05:39
	2-Butanone	< 50 ug/kg	50	LLB	08/25/03 05:39
	2-Chloroethyl Vinyl Ether	< 50 ug/kg	50	LLB	08/25/03 05:39
	2-Chlorotoluene	< 50 ug/kg	50	LLB	08/25/03 05:39
	2-Hexanone	< 50 ug/kg	50	LLB	08/25/03 05:39
	4-Chlorotoluene	< 50 ug/kg	50	LLB	08/25/03 05:39
	4-Methyl-2-Pentanone	< 50 ug/kg	50	LLB	08/25/03 05:39
	Acetone	< 250 ug/kg	250	LLB	08/25/03 05:39
	Acetonitrile	< 50 ug/kg	50	LLB	08/25/03 05:39
	Acrolein	< 50 ug/kg	50	LLB	08/25/03 05:39
	Acrylonitrile	< 50 ug/kg	50	LLB	08/25/03 05:39
	Benzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Bromobenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Bromochloromethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	Bromodichloromethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	Bromoform	< 50 ug/kg	50	LLB	08/25/03 05:39

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SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-002	SB-2 Sample Date: 08/14/03 12:40				
	Bromomethane	< 100 ug/kg	100	LLB	08/25/03 05:39
	Carbon Tetrachloride	< 50 ug/kg	50	LLB	08/25/03 05:39
	Carbon disulfide	< 50 ug/kg	50	LLB	08/25/03 05:39
	Chlorobenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Chlorodibromomethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	Chloroethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	Chloroform	< 50 ug/kg	50	LLB	08/25/03 05:39
	Chloromethane	< 250 ug/kg	250	LLB	08/25/03 05:39
	Cis-1,2 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Cis-1,3 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Dibromomethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	Dichlordifluoromethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	Ethyl methacrylate	< 50 ug/kg	50	LLB	08/25/03 05:39
	Ethylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Hexachlorobutadiene	< 500 ug/kg	500	LLB	08/25/03 05:39
	Iodomethane	< 500 ug/kg	500	LLB	08/25/03 05:39
	Isopropyl Ether	< 50 ug/kg	50	LLB	08/25/03 05:39
	Isopropyl benzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	M,P Xylene	< 100 ug/kg	100	LLB	08/25/03 05:39
	Methacrylonitrile	< 50 ug/kg	50	LLB	08/25/03 05:39
	Methyl methacrylate	< 50 ug/kg	50	LLB	08/25/03 05:39
	Methyl t-Butyl Ether	< 50 ug/kg	50	LLB	08/25/03 05:39
	Methylene Chloride	< 50 ug/kg	50	LLB	08/25/03 05:39
	N-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	N-Propylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Naphthalene	< 500 ug/kg	500	LLB	08/25/03 05:39
	O-Xylene	< 50 ug/kg	50	LLB	08/25/03 05:39
	P-Isopropyltoluene	< 50 ug/kg	50	LLB	08/25/03 05:39

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SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-002	SB-2 Sample Date: 08/14/03 12:40				
	Sec-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Styrene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Tert-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Tetrachloroethene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Toluene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Trans-1,2 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Trans-1,3 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Trichloroethene	< 50 ug/kg	50	LLB	08/25/03 05:39
	Trichlorofluoromethane	< 50 ug/kg	50	LLB	08/25/03 05:39
	Vinyl Chloride	< 50 ug/kg	50	LLB	08/25/03 05:39
	Vinyl acetate	< 50 ug/kg	50	LLB	08/25/03 05:39
	TPH-GRO	< 10 mg/kg	10	LLB	08/21/03 21:51
	VPH (Mass Method)				
	C5-C8 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 21:51
	C9-C10 Aromatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 21:51
	C9-C12 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 21:51
-003	SB-3 Sample Date: 08/14/03 13:05				
	EPH (Mass Method)				
	C11-C22 AROMATIC	< 10 mg/kg	10	MTS	08/24/03 12:53
	C19-C36 ALIPHATIC	< 10 mg/kg	10	MTS	08/24/03 01:16
	C9-C18 ALIPHATIC	< 10 mg/kg	10	MTS	08/24/03 01:16
	Diesel Range Organics	13 mg/kg	10	MCL	08/24/03 12:40

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-003	SB-3 Sample Date: 08/14/03 13:05				
	8270 Extraction	Complt	--	MCL	08/26/03 18:57
	EPH EXTRACT	COMPLT	--	MTS	08/22/03 15:53
	Percent Moisture	12.4 %	.5	SJS	08/19/03 10:18
	DRO EXTRACTION	Complt	--	MCL	08/22/03 16:37
	Semi-volatile Organics by Method 8270				
	1,2,4-Trichlorobenzene	< 1 mg/kg	1	MTS	09/02/03 12:42
	1,2-Dichlorobenzene	< 1 mg/kg	1	MTS	09/02/03 12:42
	1,3-Dichlorobenzene	< 1 mg/kg	1	MTS	09/02/03 12:42
	1,4-Dichlorobenzene	< 1 mg/kg	1	MTS	09/02/03 12:42
	2,4,5-Trichlorophenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	2,4,6-Trichlorophenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	2,4-Dichlorophenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	2,4-Dimethylphenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	2,4-Dinitrophenol	< 4 mg/kg	4	MTS	09/02/03 12:42
	2,4-Dinitrotoluene	< 1 mg/kg	1	MTS	09/02/03 12:42
	2,6-Dinitrotoluene	< 1 mg/kg	1	MTS	09/02/03 12:42
	2-Chloronaphthalene	< 1 mg/kg	1	MTS	09/02/03 12:42
	2-Chlorophenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	2-Methylnaphthalene	< 1 mg/kg	1	MTS	09/02/03 12:42
	2-Methylphenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	2-Nitroaniline	< 1 mg/kg	1	MTS	09/02/03 12:42
	2-Nitrophenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	3,3'-Dichlorobenzidine	< 1 mg/kg	1	MTS	09/02/03 12:42
	3-Nitroaniline	< 2 mg/kg	2	MTS	09/02/03 12:42
	4,6-Dinitro-2-Methylphenol	< 4 mg/kg	4	MTS	09/02/03 12:42
	4-Bromophenyl-phenylether	< 1 mg/kg	1	MTS	09/02/03 12:42
	4-Chloro-3-Methylphenol	< 1 mg/kg	1	MTS	09/02/03 12:42

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-003	SB-3 Sample Date: 08/14/03 13:05				
	4-Chloroaniline	< 1 mg/kg	1	MTS	09/02/03 12:42
	4-Chlorophenyl-phenylether	< 1 mg/kg	1	MTS	09/02/03 12:42
	4-Methylphenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	4-Nitronaniline	< 1 mg/kg	1	MTS	09/02/03 12:42
	4-Nitrophenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	Acenaphthene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Acenaphthylene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Anthracene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Benzo(a)Anthracene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Benzo(a)Pyrene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Benzo(b)Fluoranthene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Benzo(g,h,i)Perylene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Benzo(k)Fluoranthene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Benzoic Acid	< 4 mg/kg	4	MTS	09/02/03 12:42
	Benzyl Alcohol	< 1 mg/kg	1	MTS	09/02/03 12:42
	Butylbenzylphthalate	< 1 mg/kg	1	MTS	09/02/03 12:42
	Chrysene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Di-N-Butylphthalate	< 4 mg/kg	4	MTS	09/02/03 12:42
	Di-n-Octyl Phthalate	< 1 mg/kg	1	MTS	09/02/03 12:42
	Dibenzo(a,h)Anthracene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Dibenzofuran	< 1 mg/kg	1	MTS	09/02/03 12:42
	Diethylphthalate	< 1 mg/kg	1	MTS	09/02/03 12:42
	Dimethyl Phthalate	< 1 mg/kg	1	MTS	09/02/03 12:42
	Fluoranthene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Fluorene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Hexachlorobenzene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Hexachlorobutadiene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Hexachlorocyclopentadiene	< 1 mg/kg	1	MTS	09/02/03 12:42

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SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-003	SB-3 Sample Date: 08/14/03 13:05				
	Hexachloroethane	< 1 mg/kg	1	MTS	09/02/03 12:42
	Indeno(1,2,3-cd)Pyrene	< 1 mg/kg	1	MTS	09/02/03 12:42
	N-Nitroso-Di-n-Propylamine	< 1 mg/kg	1	MTS	09/02/03 12:42
	N-Nitrosodiphenylamine	< 1 mg/kg	1	MTS	09/02/03 12:42
	Naphthalene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Nitrobenzene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Pentachlorophenol	< 4 mg/kg	4	MTS	09/02/03 12:42
	Phenanthrene	< 1 mg/kg	1	MTS	09/02/03 12:42
	Phenol	< 1 mg/kg	1	MTS	09/02/03 12:42
	Pyrene	< 1 mg/kg	1	MTS	09/02/03 12:42
	bis(-2-Chloroethoxy)Methane	< 1 mg/kg	1	MTS	09/02/03 12:42
	bis(-2-Chloroethyl)Ether	< 1 mg/kg	1	MTS	09/02/03 12:42
	bis(2-Chloroisopropyl)Ether	< 1 mg/kg	1	MTS	09/02/03 12:42
	bis(2-Ethylhexyl)Phthalate	< 1 mg/kg	1	MTS	09/02/03 12:42
	8260 Volatile Organics				
	1,1 Dichloroethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,1 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,1 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,1,1 Trichloroethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,1,1,2 Tetrachloroethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,1,2 Trichloroethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,1,2,2 Tetrachloroethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,2 Dibromo-3-Chloropropane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,2 Dibromoethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,2 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,2 Dichloroethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,2 Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 06:16

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-003	SB-3 Sample Date: 08/14/03 13:05				
	1,2,3 Trichlorobenzene	< 500 ug/kg	500	LLB	08/25/03 06:16
	1,2,3 Trichloropropane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,2,4 Trichlorobenzene	< 500 ug/kg	500	LLB	08/25/03 06:16
	1,2,4 Trimethylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,3 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,3 Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,3,5 Trimethylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	1,4 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	2,2-Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 06:16
	2-Butanone	< 50 ug/kg	50	LLB	08/25/03 06:16
	2-Chloroethyl Vinyl Ether	< 50 ug/kg	50	LLB	08/25/03 06:16
	2-Chlorotoluene	< 50 ug/kg	50	LLB	08/25/03 06:16
	2-Hexanone	< 50 ug/kg	50	LLB	08/25/03 06:16
	4-Chlorotoluene	< 50 ug/kg	50	LLB	08/25/03 06:16
	4-Methyl-2-Pentanone	< 50 ug/kg	50	LLB	08/25/03 06:16
	Acetone	< 250 ug/kg	250	LLB	08/25/03 06:16
	Acetonitrile	< 50 ug/kg	50	LLB	08/25/03 06:16
	Acrolein	< 50 ug/kg	50	LLB	08/25/03 06:16
	Acrylonitrile	< 50 ug/kg	50	LLB	08/25/03 06:16
	Benzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Bromobenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Bromochloromethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	Bromodichloromethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	Bromoform	< 50 ug/kg	50	LLB	08/25/03 06:16
	Bromomethane	< 100 ug/kg	100	LLB	08/25/03 06:16
	Carbon Tetrachloride	< 50 ug/kg	50	LLB	08/25/03 06:16
	Carbon disulfide	< 50 ug/kg	50	LLB	08/25/03 06:16
	Chlorobenzene	< 50 ug/kg	50	LLB	08/25/03 06:16

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Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-003	SB-3 Sample Date: 08/14/03 13:05				
	Chlorodibromomethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	Chloroethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	Chloroform	< 50 ug/kg	50	LLB	08/25/03 06:16
	Chloromethane	< 250 ug/kg	250	LLB	08/25/03 06:16
	Cis-1,2 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Cis-1,3 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Dibromomethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	Dichlordifluoromethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	Ethyl methacrylate	< 50 ug/kg	50	LLB	08/25/03 06:16
	Ethylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Hexachlorobutadiene	< 500 ug/kg	500	LLB	08/25/03 06:16
	Iodomethane	< 500 ug/kg	500	LLB	08/25/03 06:16
	Isopropyl Ether	< 50 ug/kg	50	LLB	08/25/03 06:16
	Isopropyl benzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	M,P Xylene	< 100 ug/kg	100	LLB	08/25/03 06:16
	Methacrylonitrile	< 50 ug/kg	50	LLB	08/25/03 06:16
	Methyl methacrylate	< 50 ug/kg	50	LLB	08/25/03 06:16
	Methyl t-Butyl Ether	< 50 ug/kg	50	LLB	08/25/03 06:16
	Methylene Chloride	< 50 ug/kg	50	LLB	08/25/03 06:16
	N-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	N-Propylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Naphthalene	< 500 ug/kg	500	LLB	08/25/03 06:16
	O-Xylene	< 50 ug/kg	50	LLB	08/25/03 06:16
	P-Isopropyltoluene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Sec-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Styrene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Tert-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Tetrachloroethene	< 50 ug/kg	50	LLB	08/25/03 06:16

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Report Date: 09/03/03

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3722 BENSON DRIVE
RALEIGH, NC 27609 Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-003	SB-3 Sample Date: 08/14/03 13:05				
	Toluene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Trans-1,2 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Trans-1,3 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Trichloroethene	< 50 ug/kg	50	LLB	08/25/03 06:16
	Trichlorofluoromethane	< 50 ug/kg	50	LLB	08/25/03 06:16
	Vinyl Chloride	< 50 ug/kg	50	LLB	08/25/03 06:16
	Vinyl acetate	< 50 ug/kg	50	LLB	08/25/03 06:16
	TPH-GRO	22.7 mg/kg	10	LLB	08/21/03 22:31
	VPH (Mass Method)				
	C5-C8 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 22:31
	C9-C10 Aromatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 22:31
	C9-C12 Aliphatic Hydrocarbons	11.5 mg/kg	10	LLB	08/21/03 22:31

For Method 8270 Chrysene d12 was below the QC limits. Internal standard failure confirmed by reinjection.

-004	SB-4 Sample Date: 08/14/03 14:05				
	EPH (Mass Method)				
	C11-C22 AROMATIC	< 10 mg/kg	10	MTS	08/24/03 13:25
	C19-C36 ALIPHATIC	< 10 mg/kg	10	MTS	08/24/03 01:55
	C9-C18 ALIPHATIC	< 10 mg/kg	10	MTS	08/24/03 01:55
	Diesel Range Organics	13 mg/kg	10	MCL	08/24/03 12:40
	8270 Extraction	Complt	--	MCL	08/26/03 18:57
	EPH EXTRACT	COMPLT	--	MTS	08/22/03 15:53

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-004	SB-4 Sample Date: 08/14/03 14:05				
	Percent Moisture	13.0 %	.5	SJS	08/19/03 10:18
	DRO EXTRACTION	Complt	--	MCL	08/22/03 16:37
	Semi-volatile Organics by Method 8270				
	1,2,4-Trichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	1,2-Dichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	1,3-Dichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	1,4-Dichlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4,5-Trichlorophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4,6-Trichlorophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4-Dichlorophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4-Dimethylphenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,4-Dinitrophenol	< 4 mg/kg	4	MTS	08/29/03 18:18
	2,4-Dinitrotoluene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2,6-Dinitrotoluene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Chloronaphthalene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Chlorophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Methylnaphthalene	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Methylphenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Nitroaniline	< 1 mg/kg	1	MTS	08/29/03 18:18
	2-Nitrophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	3,3'-Dichlorobenzidine	< 1 mg/kg	1	MTS	08/29/03 18:18
	3-Nitroaniline	< 2 mg/kg	2	MTS	08/29/03 18:18
	4,6-Dinitro-2-Methylphenol	< 4 mg/kg	4	MTS	08/29/03 18:18
	4-Bromophenyl-phenylether	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Chloro-3-Methylphenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Chloroaniline	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Chlorophenyl-phenylether	< 1 mg/kg	1	MTS	08/29/03 18:18

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-004	SB-4 Sample Date: 08/14/03 14:05				
	4-Methylphenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Nitronaniline	< 1 mg/kg	1	MTS	08/29/03 18:18
	4-Nitrophenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	Acenaphthene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Acenaphthylene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Anthracene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(a)Anthracene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(a)Pyrene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(b)Fluoranthene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(g,h,i)Perylene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzo(k)Fluoranthene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Benzoic Acid	< 4 mg/kg	4	MTS	08/29/03 18:18
	Benzyl Alcohol	< 1 mg/kg	1	MTS	08/29/03 18:18
	Butylbenzylphthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	Chrysene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Di-N-Butylphthalate	< 4 mg/kg	4	MTS	08/29/03 18:18
	Di-n-Octyl Phthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	Dibenzo(a,h)Anthracene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Dibenzofuran	< 1 mg/kg	1	MTS	08/29/03 18:18
	Diethylphthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	Dimethyl Phthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	Fluoranthene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Fluorene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Hexachlorobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Hexachlorobutadiene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Hexachlorocyclopentadiene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Hexachloroethane	< 1 mg/kg	1	MTS	08/29/03 18:18
	Indeno(1,2,3-cd)Pyrene	< 1 mg/kg	1	MTS	08/29/03 18:18

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

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Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-004	SB-4 Sample Date: 08/14/03 14:05				
	N-Nitroso-Di-n-Propylamine	< 1 mg/kg	1	MTS	08/29/03 18:18
	N-Nitrosodiphenylamine	< 1 mg/kg	1	MTS	08/29/03 18:18
	Naphthalene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Nitrobenzene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Pentachlorophenol	< 4 mg/kg	4	MTS	08/29/03 18:18
	Phenanthrene	< 1 mg/kg	1	MTS	08/29/03 18:18
	Phenol	< 1 mg/kg	1	MTS	08/29/03 18:18
	Pyrene	< 1 mg/kg	1	MTS	08/29/03 18:18
	bis(-2-Chloroethoxy)Methane	< 1 mg/kg	1	MTS	08/29/03 18:18
	bis(-2-Chloroethyl)Ether	< 1 mg/kg	1	MTS	08/29/03 18:18
	bis(2-Chloroisopropyl)Ether	< 1 mg/kg	1	MTS	08/29/03 18:18
	bis(2-Ethylhexyl)Phthalate	< 1 mg/kg	1	MTS	08/29/03 18:18
	8260 Volatile Organics				
	1,1 Dichloroethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,1 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,1 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,1,1 Trichloroethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,1,1,2 Tetrachloroethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,1,2 Trichloroethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,1,2,2 Tetrachloroethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,2 Dibromo-3-Chloropropane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,2 Dibromoethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,2 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,2 Dichloroethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,2 Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,2,3 Trichlorobenzene	< 500 ug/kg	500	LLB	08/25/03 06:53
	1,2,3 Trichloropropane	< 50 ug/kg	50	LLB	08/25/03 06:53

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-004	SB-4 Sample Date: 08/14/03 14:05				
	1,2,4 Trichlorobenzene	< 500 ug/kg	500	LLB	08/25/03 06:53
	1,2,4 Trimethylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,3 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,3 Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,3,5 Trimethylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	1,4 Dichlorobenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	2,2-Dichloropropane	< 50 ug/kg	50	LLB	08/25/03 06:53
	2-Butanone	< 50 ug/kg	50	LLB	08/25/03 06:53
	2-Chloroethyl Vinyl Ether	< 50 ug/kg	50	LLB	08/25/03 06:53
	2-Chlorotoluene	< 50 ug/kg	50	LLB	08/25/03 06:53
	2-Hexanone	< 50 ug/kg	50	LLB	08/25/03 06:53
	4-Chlorotoluene	< 50 ug/kg	50	LLB	08/25/03 06:53
	4-Methyl-2-Pentanone	< 50 ug/kg	50	LLB	08/25/03 06:53
	Acetone	< 250 ug/kg	250	LLB	08/25/03 06:53
	Acetonitrile	< 50 ug/kg	50	LLB	08/25/03 06:53
	Acrolein	< 50 ug/kg	50	LLB	08/25/03 06:53
	Acrylonitrile	< 50 ug/kg	50	LLB	08/25/03 06:53
	Benzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Bromobenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Bromochloromethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	Bromodichloromethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	Bromoform	< 50 ug/kg	50	LLB	08/25/03 06:53
	Bromomethane	< 100 ug/kg	100	LLB	08/25/03 06:53
	Carbon Tetrachloride	< 50 ug/kg	50	LLB	08/25/03 06:53
	Carbon disulfide	< 50 ug/kg	50	LLB	08/25/03 06:53
	Chlorobenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Chlorodibromomethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	Chloroethane	< 50 ug/kg	50	LLB	08/25/03 06:53

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analysis Analyst	Date/Time
-004	SB-4 Sample Date: 08/14/03 14:05				
	Chloroform	< 50 ug/kg	50	LLB	08/25/03 06:53
	Chloromethane	< 250 ug/kg	250	LLB	08/25/03 06:53
	Cis-1,2 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Cis-1,3 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Dibromomethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	Dichlordifluoromethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	Ethyl methacrylate	< 50 ug/kg	50	LLB	08/25/03 06:53
	Ethylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Hexachlorobutadiene	< 500 ug/kg	500	LLB	08/25/03 06:53
	Iodomethane	< 500 ug/kg	500	LLB	08/25/03 06:53
	Isopropyl Ether	< 50 ug/kg	50	LLB	08/25/03 06:53
	Isopropyl benzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	M,P Xylene	< 100 ug/kg	100	LLB	08/25/03 06:53
	Methacrylonitrile	< 50 ug/kg	50	LLB	08/25/03 06:53
	Methyl methacrylate	< 50 ug/kg	50	LLB	08/25/03 06:53
	Methyl t-Butyl Ether	< 50 ug/kg	50	LLB	08/25/03 06:53
	Methylene Chloride	< 50 ug/kg	50	LLB	08/25/03 06:53
	N-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	N-Propylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Naphthalene	< 500 ug/kg	500	LLB	08/25/03 06:53
	O-Xylene	< 50 ug/kg	50	LLB	08/25/03 06:53
	P-Isopropyltoluene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Sec-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Styrene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Tert-Butylbenzene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Tetrachloroethene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Toluene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Trans-1,2 Dichloroethene	< 50 ug/kg	50	LLB	08/25/03 06:53

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

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Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-004	SB-4 Sample Date: 08/14/03 14:05				
	Trans-1,3 Dichloropropene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Trichloroethene	< 50 ug/kg	50	LLB	08/25/03 06:53
	Trichlorofluoromethane	< 50 ug/kg	50	LLB	08/25/03 06:53
	Vinyl Chloride	< 50 ug/kg	50	LLB	08/25/03 06:53
	Vinyl acetate	< 50 ug/kg	50	LLB	08/25/03 06:53
	TPH-GRO	< 10 mg/kg	10	LLB	08/21/03 23:11
	VPH (Mass Method)				
	C5-C8 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 23:11
	C9-C10 Aromatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 23:11
	C9-C12 Aliphatic Hydrocarbons	< 10 mg/kg	10	LLB	08/21/03 23:11
-005	W-1 Sample Date: 08/14/03 15:15				
	Lead	0.348 mg/L	0.08	HB	08/21/03 12:13
	601 Volatile Halocarbons				
	1,1,1-Trichloroethane	< 2 ug/L	2	LLB	08/21/03 00:47
	1,1,2,2-Tetrachloroethane	< 2 ug/L	2	LLB	08/21/03 00:47
	1,1,2-Trichloroethane	< 2 ug/L	2	LLB	08/21/03 00:47
	1,1-Dichloroethane	< 2 ug/L	2	LLB	08/21/03 00:47
	1,1-Dichloroethene	< 2 ug/L	2	LLB	08/21/03 00:47
	1,2-Dichlorobenzene	< 2 ug/L	2	LLB	08/21/03 00:47
	1,2-Dichloroethane	< 2 ug/L	2	LLB	08/21/03 00:47
	1,2-Dichloropropane	< 2 ug/L	2	LLB	08/21/03 00:47
	1,3-Dichlorobenzene	< 2 ug/L	2	LLB	08/21/03 00:47

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Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-005 W-1	Sample Date: 08/14/03 15:15				
	1,4-Dichlorobenzene	< 2 ug/L	2	LLB	08/21/03 00:47
	2-Chloroethyl Vinyl Ether	< 2 ug/L	2	LLB	08/21/03 00:47
	Bromodichloromethane	< 2 ug/L	2	LLB	08/21/03 00:47
	Bromoform	< 2 ug/L	2	LLB	08/21/03 00:47
	Bromomethane	< 2 ug/L	2	LLB	08/21/03 00:47
	Carbon Tetrachloride	< 2 ug/L	2	LLB	08/21/03 00:47
	Chlorobenzene	< 2 ug/L	2	LLB	08/21/03 00:47
	Chloroethane	< 2 ug/L	2	LLB	08/21/03 00:47
	Chloroform	< 2 ug/L	2	LLB	08/21/03 00:47
	Chloromethane	< 2 ug/L	2	LLB	08/21/03 00:47
	Dibromochloromethane	< 2 ug/L	2	LLB	08/21/03 00:47
	Dichlorodifluoromethane	< 2 ug/L	2	LLB	08/21/03 00:47
	Methylene chloride	< 2 ug/L	2	LLB	08/21/03 00:47
	Tetrachloroethene	< 2 ug/L	2	LLB	08/21/03 00:47
	Trichloroethene	< 2 ug/L	2	LLB	08/21/03 00:47
	Trichlorofluoromethane	< 2 ug/L	2	LLB	08/21/03 00:47
	Vinyl Chloride	< 2 ug/L	2	LLB	08/21/03 00:47
	cis-1,3-Dichloropropene	< 2 ug/L	2	LLB	08/21/03 00:47
	trans-1,2-Dichloroethene	< 2 ug/L	2	LLB	08/21/03 00:47
	trans-1,3-Dichloropropene	< 2 ug/L	2	LLB	08/21/03 00:47
	Ethylene dibromide	< 2.0 ug/L	2	LLB	08/21/03 00:47
	602 Volatile Aromatic Hydrocarbons				
	1,2-Dichlorobenzene	< 5 ug/L	5	LLB	08/19/03 09:27
	1,3-Dichlorobenzene	< 5 ug/L	5	LLB	08/19/03 09:27
	1,4-Dichlorobenzene	< 5 ug/L	5	LLB	08/19/03 09:27
	Benzene	5.34 ug/L	1	LLB	08/19/03 09:27

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804-264-7100 PHONE
800-888-8061 PHONE
804-264-8873 FAX
WWW.ANALYTICSCORP.COM

Group No. H230-060
Account No. 32409375
Report Date: 09/03/03

BRIAN REBAR
SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Lab ID	Parameter	Concentration	PQL	Analyst	Analysis Date/Time
-005	W-1 Sample Date: 08/14/03 15:15				
	Ethylbenzene	78.2 ug/L	5	LLB	08/19/03 09:27
	Toluene	5.84 ug/L	5	LLB	08/19/03 09:27
	Isopropyl Ether	< 10.0 ug/L	10	LLB	08/19/03 09:27
	Methyl t-Butyl Ether	< 5 ug/L	5	LLB	08/19/03 09:27
	VPH (Mass Method)				
	C5-C8 Aliphatic Hydrocarbons	1.13 mg/L	.3	LLB	08/19/03 09:27
	C9-C10 Aromatic Hydrocarbons	0.41 mg/L	.1	LLB	08/19/03 09:27
	C9-C12 Aliphatic Hydrocarbons	0.82 mg/L	.22	LLB	08/19/03 09:27
	Xylene				
	M,P-Xylene	< 10.0 ug/L	10	LLB	08/19/03 09:27
	O-Xylene	5.06 ug/L	5	LLB	08/19/03 09:27

The RPD of the MS and MSD for DRO by 8015B was slightly high due to sample inhomogeneity.

The fractionation surrogate for the EPH analysis recovered below the specified QC limits.

Report Limit=PQL=Practical Quantitation Limit; DL=Lowest reportable value

Abbreviations: ug/L = micrograms per liter, mg/L = milligrams per liter, ug/g = micrograms per gram, mg/kg = milligrams per kilogram, ug/wp = ug/wipe, ug/ml = micrograms per milliliter, PQL = Practical Quantitation Limit. uS = microsiemens/centimeter at 25 degrees Celsius, ppb = parts per billion.

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SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Summary of Analytical Methods

Compound Name	Analytical Method	Abbreviation
Lead	SM3030C/239.2	----
1,1,1-Trichloroethane	EPA Method 601 by 624	1,1,1 TCE
1,1,2,2-Tetrachloroethane	EPA Method 601 by 624	1,1,2,2 TCE
1,1,2-Trichloroethane	EPA Method 601 by 624	1,1,2 TCE
1,1-Dichloroethane	EPA Method 601 by 624	1,1 DCE
1,1-Dichloroethene	EPA Method 601 by 624	1,1 DCENE
1,2-Dichlorobenzene	EPA Method 601 by 624	1,2 DCB
1,2-Dichloroethane	EPA Method 601 by 624	1,2 DCE
1 Dichloropropane	EPA Method 601 by 624	1,2 DCP
1 Dichlorobenzene	EPA Method 601 by 624	1,3 DCB
1,4-Dichlorobenzene	EPA Method 601 by 624	1,4 DCB
2-Chloroethyl Vinyl Ether	EPA Method 601 by 624	2-CEVE
Bromodichloromethane	EPA Method 601 by 624	BDCM
Bromoform	EPA Method 601 by 624	----
Bromomethane	EPA Method 601 by 624	----
Carbon Tetrachloride	EPA Method 601 by 624	Carbon Tet
Chlorobenzene	EPA Method 601 by 624	----
Chloroethane	EPA Method 601 by 624	----
Chloroform	EPA Method 601 by 624	----
Chloromethane	EPA Method 601 by 624	----
Dibromochloromethane	EPA Method 601 by 624	DBCM
Dichlorodifluoromethane	EPA Method 601 by 624	DCDFM
Methylene chloride	EPA Method 601 by 624	DCM
Tetrachloroethene	EPA Method 601 by 624	TCENE
Trichloroethene	EPA Method 601 by 624	TCENE
Trichlorofluoromethane	EPA Method 601 by 624	TCFM
Vinyl Chloride	EPA Method 601 by 624	----
cis-1,3-Dichloropropene	EPA Method 601 by 624	cis 1,3 DCPENE
trans-1,2-Dichloroethene	EPA Method 601 by 624	trans 1,2 DCENE
trans-1,3-Dichloropropene	EPA Method 601 by 624	trans 1,3 DCPEN
1,2-Dichlorobenzene	EPA Method 602	1,2-DCB
1,3-Dichlorobenzene	EPA Method 602	1,3-DCB

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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Analytical Method - continued

-005 W-1 Sample Date: 08/14/03 15:15

1,4-Dichlorobenzene	EPA Method 602	1,4-DCB
Benzene	EPA Method 602	Benzene
Ethylbenzene	EPA Method 602	Ethyl Benzene
Toluene	EPA Method 602	Toluene
1,1 Dichloroethane	SW846 Method 8260B/5035	1,1 DCE
1,1 Dichloroethene	SW846 Method 8260B/5035	1,1 DCENE
1 Dichloropropene	SW846 Method 8260B/5035	1,1 DCPENE
1 1 Trichloroethane	SW846 Method 8260B/5035	1,1,1 TCE
1,1,1,2 Tetrachloroethane	SW846 Method 8260B/5035	1,1,1,2 TETCH
1,1,2 Trichloroethane	SW846 Method 8260B/5035	1,1,2 TCE
1,1,2,2 Tetrachloroethane	SW846 Method 8260B/5035	1,1,2,2 TETCH
1,2 Dibromo-3-Chloropropane	SW846 Method 8260B/5035	DBCP
1,2 Dibromoethane	SW846 Method 8260B/5035	1,2 DBE
1,2 Dichlorobenzene	SW846 Method 8260B/5035	1,2 DCB
1,2 Dichloroethane	SW846 Method 8260B/5035	1,2 DCE
1,2 Dichloropropane	SW846 Method 8260B/5035	1,2 DCP
1,2,3 Trichlorobenzene	SW846 Method 8260B/5035	1,2,3 TCB
1,2,3 Trichloropropane	SW846 Method 8260B/5035	1,2,3 TCP
1,2,4 Trichlorobenzene	SW846 Method 8260B/5035	1,2,4 TCB
1,2,4 Trimethylbenzene	SW846 Method 8260B/5035	1,2,4 TMB
1,3 Dichlorobenzene	SW846 Method 8260B/5035	1,3 DCB
1,3 Dichloropropane	SW846 Method 8260B/5035	1,3 DCP
1,3,5 Trimethylbenzene	SW846 Method 8260B/5035	1,3,5 TMB
1,4 Dichlorobenzene	SW846 Method 8260B/5035	1,4 DCB
2,2-Dichloropropane	SW846 Method 8260B/5035	2,2 DCP
2-Butanone	SW846 Method 8260B/5035	----
2-Chloroethyl Vinyl Ether	SW846 Method 8260B/5035	----
2-Chlorotoluene	SW846 Method 8260B/5035	2-CHLTOL
2-Hexanone	SW846 Method 8260B/5035	----
4-Chlorotoluene	SW846 Method 8260B/5035	----
4-Methyl-2-Pentanone	SW846 Method 8260B/5035	----
Acetone	SW846 Method 8260B/5035	----

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Group No. H230-060
Account No. 32409375
Report Date: 09/03/03

BRIAN REBAR
SOLUTIONS INDUSTRIAL & ENV SVCS

3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Analytical Method - continued

-005 W-1 Sample Date: 08/14/03 15:15

Acetonitrile	SW846 Method 8260B/5035	----
Acrolein	SW846 Method 8260B/5035	----
Acrylonitrile	SW846 Method 8260B/5035	----
Benzene	SW846 Method 8260B/5035	----
Bromobenzene	SW846 Method 8260B/5035	----
Bromochloromethane	SW846 Method 8260B/5035	BCM
B odichloromethane	SW846 Method 8260B/5035	BDCM
B oform	SW846 Method 8260B/5035	----
Bromomethane	SW846 Method 8260B/5035	----
Carbon Tetrachloride	SW846 Method 8260B/5035	CARBON TET
Carbon disulfide	SW846 Method 8260B/5035	----
Chlorobenzene	SW846 Method 8260B/5035	----
Chlorodibromomethane	SW846 Method 8260B/5035	CDBM
Chloroethane	SW846 Method 8260B/5035	----
Chloroform	SW846 Method 8260B/5035	----
Chloromethane	SW846 Method 8260B/5035	----
Cis-1,2 Dichloroethene	SW846 Method 8260B/5035	CIS-1,2 DCENE
Cis-1,3 Dichloropropene	SW846 Method 8260B/5035	----
Dibromomethane	SW846 Method 8260B/5035	----
Dichlordifluoromethane	SW846 Method 8260B/5035	DCDFM
Ethyl methacrylate	SW846 Method 8260B/5035	----
Ethylbenzene	SW846 Method 8260B/5035	----
Hexachlorobutadiene	SW846 Method 8260B/5035	HCBUTAD
Iodomethane	SW846 Method 8260B/5035	----
Isopropyl Ether	SW846 Method 8260B/5035	----
Isopropyl benzene	SW846 Method 8260B/5035	IPB
M,P Xylene	SW846 Method 8260B/5035	----
Methacrylonitrile	SW846 Method 8260B/5035	----
Methyl methacrylate	SW846 Method 8260B/5035	----
Methyl t-Butyl Ether	SW846 Method 8260B/5035	----
Methylene Chloride	SW846 Method 8260B/5035	----
N-Butylbenzene	SW846 Method 8260B/5035	----

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3722 BENSON DRIVE
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Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Analytical Method - continued

-005 W-1 Sample Date: 08/14/03 15:15

N-Propylbenzene	SW846 Method 8260B/5035	----
Naphthalene	SW846 Method 8260B/5035	----
O-Xylene	SW846 Method 8260B/5035	----
P-Isopropyltoluene	SW846 Method 8260B/5035	P-IPT
Sec-Butylbenzene	SW846 Method 8260B/5035	S-BUTYLBENZENE
Styrene	SW846 Method 8260B/5035	----
T -Butylbenzene	SW846 Method 8260B/5035	TERT-BUTYLBEN
T achloroethene	SW846 Method 8260B/5035	TETCHLENE
Toluene	SW846 Method 8260B/5035	----
Trans-1,2 Dichloroethene	SW846 Method 8260B/5035	TRANS-1,2 DCENE
Trans-1,3 Dichloropropene	SW846 Method 8260B/5035	----
Trichloroethene	SW846 Method 8260B/5035	----
Trichlorofluoromethane	SW846 Method 8260B/5035	TCFM
Vinyl Chloride	SW846 Method 8260B/5035	----
Vinyl acetate	SW846 Method 8260B/5035	----
8270 Extraction	SW846 Method 3510/3550	----
1,2,4-Trichlorobenzene	SW846 Method 8270C	----
1,2-Dichlorobenzene	SW846 Method 8270C	----
1,3-Dichlorobenzene	SW846 Method 8270C	----
1,4-Dichlorobenzene	SW846 Method 8270C	----
2,4,5-Trichlorophenol	SW846 Method 8270C	----
2,4,6-Trichlorophenol	SW846 Method 8270C	----
2,4-Dichlorophenol	SW846 Method 8270C	----
2,4-Dimethylphenol	SW846 Method 8270C	----
2,4-Dinitrophenol	SW846 Method 8270C	----
2,4-Dinitrotoluene	SW846 Method 8270C	----
2,6-Dinitrotoluene	SW846 Method 8270C	----
2-Chloronaphthalene	SW846 Method 8270C	----
2-Chlorophenol	SW846 Method 8270C	----
2-Methylnaphthalene	SW846 Method 8270C	----
2-Methylphenol	SW846 Method 8270C	----
2-Nitroaniline	SW846 Method 8270C	----

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Group No. H230-060
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Report Date: 09/03/03

BRIAN REBAR
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3722 BENSON DRIVE
RALEIGH, NC 27609

Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Analytical Method - continued

-005 W-1 Sample Date: 08/14/03 15:15

2-Nitrophenol	SW846 Method 8270C	----
3,3'-Dichlorobenzidine	SW846 Method 8270C	----
3-Nitroaniline	SW846 Method 8270C	----
4,6-Dinitro-2-Methylphenol	SW846 Method 8270C	----
4-Bromophenyl-phenylether	SW846 Method 8270C	----
4-Chloro-3-Methylphenol	SW846 Method 8270C	----
4 loroaniline	SW846 Method 8270C	----
4 lorophenyl-phenylether	SW846 Method 8270C	----
4-Methylphenol	SW846 Method 8270C	----
4-Nitronaniline	SW846 Method 8270C	----
4-Nitrophenol	SW846 Method 8270C	----
Acenaphthene	SW846 Method 8270C	----
Acenaphthylene	SW846 Method 8270C	----
Anthracene	SW846 Method 8270C	----
Benzo(a)Anthracene	SW846 Method 8270C	----
Benzo(a)Pyrene	SW846 Method 8270C	----
Benzo(b)Fluoranthene	SW846 Method 8270C	----
Benzo(g,h,i)Perylene	SW846 Method 8270C	----
Benzo(k)Fluoranthene	SW846 Method 8270C	----
Benzoic Acid	SW846 Method 8270C	----
Benzyl Alcohol	SW846 Method 8270C	----
Butylbenzylphthalate	SW846 Method 8270C	----
Chrysene	SW846 Method 8270C	----
Di-N-Butylphthalate	SW846 Method 8270C	----
Di-n-Octyl Phthalate	SW846 Method 8270C	----
Dibenzo(a,h)Anthracene	SW846 Method 8270C	----
Dibenzofuran	SW846 Method 8270C	----
Diethylphthalate	SW846 Method 8270C	----
Dimethyl Phthalate	SW846 Method 8270C	----
Fluoranthene	SW846 Method 8270C	----
Fluorene	SW846 Method 8270C	----
Hexachlorobenzene	SW846 Method 8270C	----

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Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Analytical Method - continued

-005 W-1 Sample Date: 08/14/03 15:15

Hexachlorobutadiene	SW846 Method 8270C	----
Hexachlorocyclopentadiene	SW846 Method 8270C	----
Hexachloroethane	SW846 Method 8270C	----
Indeno(1,2,3-cd)Pyrene	SW846 Method 8270C	----
N-Nitroso-Di-n-Propylamine	SW846 Method 8270C	----
N-Nitrosodiphenylamine	SW846 Method 8270C	----
N thalene	SW846 Method 8270C	----
N obenzene	SW846 Method 8270C	----
Pentachlorophenol	SW846 Method 8270C	----
Phenanthrene	SW846 Method 8270C	----
Phenol	SW846 Method 8270C	----
Pyrene	SW846 Method 8270C	----
bis(-2-Chloroethoxy)Methane	SW846 Method 8270C	----
bis(-2-Chloroethyl)Ether	SW846 Method 8270C	----
bis(2-Chloroisopropyl)Ether	SW846 Method 8270C	----
bis(2-Ethylhexyl)Phthalate	SW846 Method 8270C	----
Ethylene dibromide	EPA Method 601 by 624	EDB
EPH EXTRACT	EPA Method 3630	----
C11-C22 AROMATIC	MADEP-EPH	----
C19-C36 ALIPHATIC	MADEP-EPH	----
C9-C18 ALIPHATIC	MADEP-EPH	----
Isopropyl Ether	SW846 Method 8021B	----
Methyl t-Butyl Ether	SW846 Method 8021B	MTBE
Lead	SW846 3010A/6010B	----
Percent Moisture	SW846 3550 Sec. 7.2	% Moisture
DRO EXTRACTION	SW846 Method 3510C	----
Diesel Range Organics	SW846 Method 8015B	----
TPH-GRO	SW846 Method 8015B/5035	----
C5-C8 Aliphatic Hydrocarbons	MADEP VPH	----
C9-C10 Aromatic Hydrocarbons	MADEP VPH	----
C9-C12 Aliphatic Hydrocarbons	MADEP VPH	----
C5-C8 Aliphatic Hydrocarbons	MADEP VPH	----

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Final Report

Date Received: 08/18/03 14:25
Sample Type: 4 - Soil Sample(s); 1 - Water Sample(s)
Project: MAXTON NC PO Number: 4300001361

Analytical Method - continued

-005 W-1 Sample Date: 08/14/03 15:15

C9-C10 Aromatic Hydrocarbons	MADEP VPH	----
C9-C12 Aliphatic Hydrocarbons	MADEP VPH	----
M,P-Xylene	SW846 Method 8021B	----
O-Xylene	SW846 Method 8021B	O-Xylenes

Christopher M. Lapallo
Environmental Services

James A. Calpin, CIH
Laboratory Director

ENVIRONMENTAL CHAIN OF CUSTODY

ACCO NAME AND ADDRESS

DATE SHIPPED	# OF SAMPLES	PROJECT NAME OR NUMBER
	5	Ma ow NC

PURCHASE ORDER NO.	CONTACT	TELEPHONE NUMBER
4300001361	Brian Rebar	919-873-1060

RUSH ANALYSIS
☐ 24 HOUR
☐ 48 HOUR
Extra Charge

SPECIAL INSTRUCTIONS:
Invoice to Chris Peoples, PE
NCDOT Materials & Test
Blue Ridge Rd Raleigh, NC

ANALYTICS
8040 Villa Park Drive, Suite 250
Richmond, Virginia 23228
Phone (804) 264-7100
Toll Free (800) 888-8061
Fax (804) 264-8873

CHAIN OF CUSTODY RECORD

MATRIX CODES
A = AQUEOUS O = OIL
S = SOLID X = OTHER

ANALYSIS REQUESTED (Place an "X" in the box below to indicate request)

Lab ID	Sample Identification	Date & Time	MATRIX	# of Bottles	Grab / Comp.	Lead	VPH 601/602	EPH	TPH 3550	VPH	TPH 5030	8260/5035 +TPHBE	8270	Preservative H_2SO_4	HCL	HNO_3	NaOH	Other Methanol	COMMENTS
	SB-1	8/14/03 1208	S	4	G			X	X	X	X	X	X					X	PO# 4300001361
	SB-2	8/14/03 1240	S	4	G			X	X	X	X	X	X					X	WBS# 35437.2.4
	SB-3	8/14/03 1305	S	4	G			X	X	X	X	X	X					X	Tip# 2-4006K
	SB-4	8/14/03 1405	S	4	G			X	X	X	X	X	X					X	WO# 8.7646048
	W-1	8/14/03 1515	A	7	G	X	X								X	X			

SAMPLED BY (PRINT NAME): Brian Wolfe
SAMPLED BY (SIGNATURE TO INITIATE COC): Brian Wolfe
DATE: 8/14/03
TIME: 1830

SAMPLES RECEIVED BY: (SIGNATURE)	DATE	TIME	CONDITION	SAMPLES RELINQUISHED BY (SIGNATURE)	DATE	TIME	CONDITION
	8/15/03	8:32Am	Good				
	8/15/03	1420	Good				

RETAIN BACK COPY FOR PERSONAL RECORDS

ENVCOC-01 (REV. 2001-0)

ANALYTICS

Account Name: NCDOT

Sample Container Receipt Form:

Sample Identification	SB-1 →			SB-2 →			SB-3 →	
Type of Container	Jar	Jar	VOA	Jar	Jar	VOA	Jar	Jar
Number of Containers	1	1	2	1	1	2	1	1
Temperature on Arrival	–	–	–	–	–	–	–	–
pH on Arrival	–	–	–	–	–	–	–	–
Chlorine on Arrival (ppm)	–	–	–	–	–	–	–	–
VOA Sample Condition								
General Condition	good	good	good	good	good	good	good	good
Notes and comments	Received with wet ice							

P=Plastic; G=Glass, Am=Amber, VOA=VOA vial

** Samples received in _____ for VOC's in soil. See attached for details on sample containers for low level VOC's in soil.

Sample Custodian Silberman Date 8/18/03

ANALYTICS

Account Name:

Sample Container Receipt Form:

Sample Identification	SB-3	SB-4	→	→	W-1	→			
Type of Container	VOA	Jar	Jar	VOA	P	VOA			
Number of Containers	2	1	1	2	1	6			
Temperature on Arrival	—	—	—	—	—	—			
pH on Arrival	—	—	—	—	<2	—			
Chlorine on Arrival (ppm)	—	—	—	—	—	—			
VOA Sample Condition	good			good		good			
General Condition		good	good		good				
Notes and comments	Received with wet ice								

P=Plastic; G=Glass, Am=Amber, VOA=VOA vial

** Samples received in _____ for VOC's in soil. See attached for details on sample containers for low level VOC's in soil.

Sample Custodian BK Date 8/8/03

FILE COPY

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

UNDERGROUND STORAGE TANK SEECTION
March 26, 2013

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7010 1870 0001 3306 8186

Mr. Larry R. Chavis, President/CEO
Lumbee Guaranty Bank, Inc.
P. O. Box 908
Pembroke, NC 28372

RE: Notice of No Further Action 15A NCAC 2L .0407
Risk based Assessment and Corrective Action for
Petroleum Underground Storage Tank
Former Maxton Mobile
Intersection of Hwy 74 Business and Hwy 71
Maxton, Robeson County, North Carolina
Incident Number: 29187
Risk Classification: Low

Dear Chavis:

The Division of Waste Management, Underground Storage Tank (UST) Section, Trust Fund Branch has received a site assessment report for the above referenced site. A review of the report shows that petroleum contaminated groundwater does remain at this site above the level of the standards or interim standards established in 15A NCAC 2L .0202, but there are no active water supply wells located within 1,000 feet of the source area and that the area is supplied with county water. The site assessment showed that soil contamination does not exceed the respective Residual Maximum Soil Contaminant Concentrations (MSCC) established in 15A NCAC 2L .0411.

Based on information provided to date, the UST Section finds it appropriate to classify the risk of the discharge or release as Low Risk. Furthermore, the UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later determines the discharge or release poses an unacceptable risk or potentially unacceptable risk to human health or the environment.

Due to the fact that groundwater does not meet "Unrestricted Use" standards, meaning that contamination remains above 2L groundwater standards, **a Notice of Residual Petroleum was placed on the Deed (Book 1893, Pages 817-818) on March 08, 2013.** This notice simply states that groundwater is not to be used as drinking water source nor any wells be installed on the property until it can be shown that groundwater contamination has fallen below 2L groundwater standards at which time the deed notice may be removed by the department.

This No Further Action determination will become valid when the Trust Fund Branch completes the Public Notice requirements outlined below. Public notice in accordance with 15A NCAC 2L .0409 is required within 30 days of receipt of this No Further Action letter. The Trust Fund Branch will provide a copy of this letter to the following persons: Local Health Director, Chief Administrative Officer, (i. e. Mayor, Chairman of County Commissioner, County Manager, City Manager, or other official of equal or similar position) of each political jurisdiction in which the contamination occurs; an all property owners and occupants within or contiguous to the area where the contamination is expected to migrate.

Interested parties may examine the assessment reports by contacting Hassan Osman at (919) 707-8167, or write to Hassan Osman, UST Section, Trust Fund Branch 1637 Mail Service Center, Raleigh, NC 27699-1637.

Pursuant to 15A NCAC 2L .0409, you have a continuing obligation to notify the UST Section of any changes that you know of or should know of, that might affect the level of risk assigned to the discharge or release. Please be advised that all monitoring or injection wells used to investigate or remediate this incident were abandoned properly in accordance with 15A NCAC 2C .0113 and .0114, respectively by the State Lead Contractor.

Sincerely,

Z. Vance Jackson, Jr., PG, CPM
Trust Fund Branch Head

cc: STL-File
FRO-FYI

RECEIVED/DENR
DWM UST SECTION

2013 MAR 13 AM 9:54

2013002019
ROBESON CO, NC FEE $26.00
PRESENTED & RECORDED:
03-08-2013 02:26:05 PM
VICKI L LOCKLEAR
REGISTER OF DEEDS
BY: TOMASA MORALES PEAVY
ASSISTANT
BK:D 1893
PG:817-818

NOTICE OF RESIDUAL PETROLEUM

Return To: Hassan Osman
UST Section
1637 Mail Service Center
Raleigh, NC 27699-1637

Former Maxton Mobile, Robeson County, North Carolina

The property that is the subject of this Notice (hereinafter referred to as the "Site") contains residual petroleum and is an Underground Storage Tank (UST) incident under North Carolina's Statutes and Regulations, which consist of N.C.G.S 143-215.94 and regulations adopted thereunder. This Notice is part of a remedial action for the site that has been approved by the Secretary (or his/her delegate) of the North Carolina Department of Environment and Natural Resources (or its successor in function), as authorized by N.C.G.S. Section 143B-279.9 and 143B-279.11. The North Carolina Department of Environment and Natural Resources shall hereinafter be referred to as "DENR".

NOTICE

Petroleum product was released and or discharged at the Site. **Petroleum constituents remains on the site, but are not a danger to public health and the environment, provided that the restrictions described herein, and any other measures required by DENR pursuant to N.C.G.S. Sections 143B- 279.9 and 143B279.11, are strictly complied with.** This "Notice of Residual Petroleum" is composed of a description of the property, the location of the residual petroleum and the land use restrictions on the Site. The Notice has been approved and notarized by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11 and has/shall be recorded at the **Robeson County Register of Deeds' office, Referenced Book 1428, Page 0236**

Lumbee Guaranty Bank, Inc., of North Carolina **is** the owner in fee simple of all or a portion of the site, which is located in the County of **Robeson County,** State of North Carolina, and is known and legally described as:

BEING as Referenced in Deed Book 1428, Page 0236, recorded with the office of the Register of Deeds Robeson County, North Carolina.

For protection of public health and the environment, the following land use restriction by N.C.G.S. Section 143B-279.9(b) shall apply to all of the above-described real property. These restrictions shall continue in effect as long as residual petroleum remains on the site in excess of unrestricted use standards and cannot be amended or cancelled unless and until the **Robeson County** Register of Deeds receives and records the written concurrence of the Secretary (or his/her delegate) of DENR (or its successor in function).

PERPETUAL LAND USE RESTRICTIONS

RECEIVED/DENR
DWM UST SECTION
2013 MAR 13 AM 9:54

Groundwater: Groundwater from the site is prohibited from use as a water supply source. Water supply wells of any kind shall not be installed or operated on the site.

ENFORCEMENT

The above land use restriction(s) shall be enforced by owner, operator, or other party responsible for the site. The above land use restriction(s) may also be enforced by DENR through any of the remedies provided by law or by means of a civil action, and may also, be enforced by any unit of local government having jurisdiction over any part of the site. any attempt to cancel this Notice without the approval of DENR (or its successor in function) shall be subject to enforcement by DENR to the full extent of the law. Failure by any party required or authorized to enforce any of the above restriction(s) shall in no event be deemed a waiver of the right to do so thereafter as to the same violation or as to one occurring prior or subsequent thereto.

IN WITNESS WHEREOF, Z. Vance Jackson, Jr., PG, CPM, has caused this Notice to be executed pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, this 4th day of March, 2013.

By: Z. Vance Jackson Jr.
Z. Vance Jackson, Jr., PG, CPM Signature of Delegated DENR Representative

Head of Trust Fund Branch/Underground Storage Tank Section
Title of the above Party

Signatory's name typed or printed: Z. Vance Jackson, Jr.

NORTH CAROLINA

Wake COUNTY

I, Leann D. Ishak, a Notary public certify that Z. Vance Jackson, Jr, personally came before me this day and acknowledged that he is Trust Fund Branch Head, UST Section of NC Department of Environment and Natural Resources and that he as Trust Fund Branch Head being authorized to do so, executed the foregoing on behalf of NC Department of Environment and Natural Resources.

WITNESS my hand and official seal, this 4th day of March, 2013.

(Official Seal) LEANN D. ISHAK NOTARY PUBLIC WAKE COUNTY, N.C.

Leann D Ishak
Leann D. Ishak, Notary Public

My commission expires 4/24/17,

Progress
ENVIRONMENTAL INC

PHASE I LIMITED SITE ASSESSMENT

Former Maxton Mobil
Intersection of Hwy 74 Business (Martin Luther King, Jr. Drive)
and Hwy 71 (South Patterson Street)
Maxton, Robeson County, North Carolina
Incident #29187

SUBMITTED TO:

North Carolina Department of Environment and Natural Resources
1637 Mail Service Center
Raleigh, North Carolina 27699-1637

PREPARED FOR:

North Carolina Department of Environment and Natural Resources
1637 Mail Service Center
Raleigh, North Carolina 27699-1637

PREPARED BY:

Progress Environmental, Inc.
767 South Kerr Avenue
Wilmington, North Carolina 28403
(910) 399-4437

Progress Project No. 251063.001

March 18, 2011

Progress
ENVIRONMENTAL INC

March 18, 2011

Ms. Candy Elliott
North Carolina Department of Environment and Natural Resources
1637 Mail Service Center
Raleigh, North Carolina 27699

Reference: **Phase I Limited Site Assessment**
Former Maxton Mobil
Intersection of Hwy 74 Business (Martin Luther King, Jr. Drive) and Hwy 71 (South Patterson Street)
Maxton, Robeson County, North Carolina
Incident No. 29187
Progress Project No. 251063.001

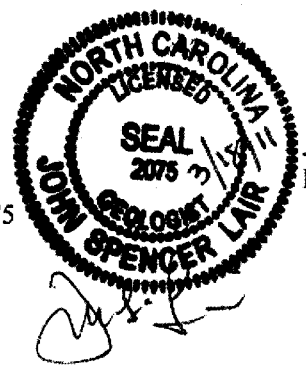
Dear Ms. Elliott:

Progress Environmental, Inc. (Progress) has completed the Phase I Limited Site Assessment (LSA) for the above-referenced site as required by the North Carolina Department of Environment and Natural Resources (NCDENR). This LSA report was prepared in general accordance with the NCDENR *Guidelines for Assessment and Corrective Action for UST Releases* dated December 1, 2008.

Progress appreciates your consideration and cooperation in the submission of this report. If you have any questions or need additional information, please contact us at (910) 399-4437.

Respectively submitted,

PROGRESS ENVIRONMENTAL, INC.



John S. Lair, P.G.
Principal
NC Licensed Geologist #2075

Jeffrey A. Ballsieper, L.G.
Director of Environmental Services

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Site Photographs
Water-Well Questionnaire Distribution List
Returned Water-Well Questionnaires
Boring Logs
Monitoring Well Construction Records
Laboratory Data Sheets and Chain of Custody Records

SITE IDENTIFICATION

DATE OF REPORT: March 18, 2011
Facility I.D.: N/A
UST Incident: Maxton Mobil
Site Location: Hwy 74 Bus (Martin Luther King, Jr. Drive) and Hwy 71 (South Patterson Street)
Nearest City/Town: Maxton County: Robeson

UST Owner and Operator: People's Gas & Oil Company, Inc.
Address: 209 North Patterson Street, Maxton, NC 28364 Phone: 910-844-3124

Property Owner/Occupant: Lumbee Guarantee Bank (site is parking lot and ATM)
Address: 110 Martin Luther King, Jr. Drive, Maxton, NC 28364 Phone: 910-521-9707

Consultant/Contractor: Environmental Hydrogeological Consultants, Inc. (UST Closure)
Address: P.O. Box 902, Red Springs, North Carolina 28377 Phone: 910 843-4456
Attention: Mr. Thomas Ammons, Project Manager

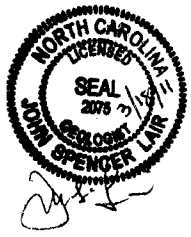
Analytical Laboratory: Environmental Science Corp. (UST Closure)
Address: 12065 Lebanon Road, Mt. Juliet, Tennessee 37122 Phone: 615-758-5858

Consultant/Contractor: Progress Environmental, Inc. (Phase I LSA)
Address: P.O. Box 15152, Wilmington, North Carolina 28408 Phone: 910 399-4437
Attention: Mr. John S. Lair, P.G.

Analytical Laboratory: Xenco Laboratories, Inc. (Phase I LSA)
Address: 6017 Financial Drive, Norcross, GA 30071-2925 Phone: (770) 449-8800

Release Information
Date Discovered: September 2003
Latitude: 34° 44' 09.51"N Longitude: 79° 20' 57.42" W
Estimated Quantity of Release: Unknown
Cause of Release: Unknown
Source of Release (e.g., Piping/UST): UST
Sizes and contents of UST system(s) from which the release occurred): One 2,000-gallon and three 4,000-gallon gasoline USTs and two 550-gallon used oil USTs.
Risk Classification: Intermediate
Land Use Category: Commercial

I, John S. Lair, a Licensed Geologist for Progress Environmental, Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge.



John S. Lair, P.G.
Principal

Progress Environmental, Inc. is licensed to practice geology in North Carolina. The certification number of the corporation is C-349.

A SITE HISTORY

The site is the former Maxton Mobil located in the northwest quadrant of the intersection of Hwy 74 Business (Martin Luther King, Jr. Drive) and Hwy 71 (South Patterson Street) in Maxton, Robeson County, North Carolina (**Figures 1, 2 and 3**).

Progress Environmental, Inc. (Progress) reviewed information contained in the file for the site maintained by the North Carolina Department of Environment and Natural Resources (NCDENR). According to a *Report of Underground Storage Tank Closure*, prepared for the site on behalf of the property owner, Lumbee Guaranty Bank by Environmental Hydrogeological Consultants, Inc. (EHC), report dated April 18, 2005. According to the report, one 2,000-gallon and three 4,000-gallon gasoline underground storage tanks (USTs), two 550-gallon used oil USTs and approximately 567.7 tons of petroleum-impacted soils were removed from the site between February 15, 2005 and February 18, 2005 by EHC (**Figure 4**). The gasoline USTs were located in one tank basin in the southeastern portion of the site while the two used oil USTs were located in one tank basin in the western portion of the site. Six soil samples were collected from the sidewalls of the gasoline UST excavation at an approximate depth of six to seven feet below the ground surface (bgs) and submitted to the laboratory to be analyzed using North Carolina risk-based parameters for volatile organic compounds (VOCs) using EPA Method 8260 and for volatile petroleum hydrocarbons (VPH) using the Massachusetts Department of Environmental Protection (MADEP) methods. Laboratory analysis of two of the soil samples collected from the gasoline UST basin (S-2 and S-6) detected targeted compounds (C5-C8 aliphatics and C9-C10 aromatics) at concentrations that exceed their respective North Carolina risk-based Residential Maximum Soil Contaminant Concentrations (MSCCs). While not discussed in the EHC report, a review of the soil analytical results from the report indicate concentrations of toluene, ethylbenzene, total xylenes, C5-C8 aliphatics, C9-C12 aliphatics and C9-C10 aromatics exceed their respective North Carolina risk-based Soil-to-Groundwater MSCCs. EHC concluded that the gasoline UST excavation was extended to what was believed to be the property line near soil samples S-2, S-3 and S-4. No bottoms samples were collected from the excavation due to the presence of groundwater entering the excavation. EHC indicated that no groundwater sampling was conducted as part of UST closure activities since a previous site investigation conducted by EHC that included the installation and sampling of three temporary groundwater monitoring wells identified the compounds benzene, ethylbenzene, and naphthalene at concentrations that exceed their respective North Carolina 2L groundwater quality standards (NC2LGWQS) by a factor of ten in the vicinity of the gasoline UST basin. A site map showing the previous temporary monitoring well locations and the laboratory analytical results of the groundwater samples collected from the previous temporary groundwater monitoring wells were included in *Report of Underground Storage Tank Closure.* The site map is included as **Figure 5** of this report.

Five soil samples were collected from the sidewalls and base of the used oil UST excavation and submitted to the laboratory to be analyzed using the aforementioned methods with the addition of EPA Method 8270 for semi-volatile organic compounds (SVOCs), extractable petroleum hydrocarbons (EPH) using the MADEP method and for lead and chromium. A review of the laboratory data indicates concentrations of chromium from each used oil UST excavation soil sample exceeds its North Carolina risk-based Soil-to-Groundwater MSCC. In addition, concentrations of C9-C22 aromatics and C9-C12 aliphatics were detected above their respective Soil-to-Groundwater MSCCs from two of the sidewall samples of the used oil UST excavation.

A review of an NCDENR *Summary of Site History* memo contained in the file (dated October 27, 2008) indicates that People's Gas & Oil Co., Inc. orphaned the site USTs at some unknown time in the past. The memo indicates that due to the depth of the soil samples collected (six to seven feet bgs), that the contamination exceeding North Carolina risk-based Residential MSCCs may be located within a smear zone since groundwater was reported in the excavation during UST closure activities. The memo indicates that based on a site visit and other information collected from various incidents within the Town of Maxton, it was determined that the site is not located within 1,000 feet of a water-supply well. However, the site is located within the Town of Maxton's designated wellhead protection area and because of that, the site is assigned a priority risk ranking of Intermediate. The nearest water-supply well

was reported to be the Town of Maxton Well #1 located approximately 1,300 feet northwest of the site. The distance between the municipal well and the site was noted as a concern because of its significant draw down potential along with relatively shallow upper screen intervals on water-supply wells of that era. Municipal Well #1 has shown historical detections of methyl-tert-butyl-ether (MTBE) averaging less than 11 ug/L. No VOCs have been detected in samples collected from Well #1 since the Town of Maxton made some casing repairs to the well. The memo indicates that there are a number of potential sources for the compounds detected in samples collected from Well #1. The memo indicates that People's Gas and Oil Co., Inc. was the UST owner when the site USTs were likely used last. The memo indicates a chronology of correspondence submitted to People's Gas and Oil Co., Inc. by the NCDENR including a Notice of Regulatory Requirements (NORR, dated July 17, 2006) indicating that a Limited Site Assessment (LSA) is required for the site, a Notice of Violation (NOV, dated December 12, 2006) for failure to submit an LSA, and a Notice of Recommendation for Enforcement Action (dated January 26, 2007).

Based on the results of the previous UST closure activities, the NCDENR contracted with Progress to conduct a Limited Site Assessment (LSA) for the site. A summary of these activities is as follows:

B RISK CHARACTERIZATION

1 Groundwater/Surface Water/Vapor Impacts

High Risk

1. Has the release contaminated any water supply well including any well used for non-drinking purposes? **UNKNOWN**. According to a NCDENR memo contained in the project file, the site is located in the Town of Maxton wellhead protection area and the Town of Maxton Well #1 (Well #2 according to Mr. Larry Combs with the Town of Maxton) has had detections of MTBE.

2. Is a water-supply well used for drinking water located within 1,500 feet of the source area of the discharge or release? **YES**

   The Town of Maxton Well #1 (Well #2 according to Larry Combs with the Town of Maxton) is located approximately 1,300 feet northwest of the site.

3. Is a water-supply well not used for drinking water (e.g. irrigation, washing cars, industrial cooling water, filling swimming pools) located within 250 feet of the source area of the release? **NO**

4. Does groundwater within 500 feet of the source area of the release have the potential for future use (there is no other source of water supply other than groundwater)? **NO**. According to Mr. Combs, the public works director of the Town of Maxton, there are no private potable water-supply wells in the Town of Maxton and private potable water-supply wells are not allowed by Town ordinance.

5. Do vapors from the release pose a threat of explosion because of accumulation of the vapors in a confined space or pose any other serious threat to public health, public safety, or the environment? **NO**.

6. Are there any other factors that would cause the release to pose an imminent danger to public health, public safety, or the environment? **NO**

Intermediate Risk

7. Is a surface water body located within 500 feet of the source area of the release? **NO**

   If yes, does the maximum groundwater contaminant concentration exceed the surface water quality standards and criteria found in 15A NCAC 2B .0200 by a factor of 10? **N/A**

8. Is the source area or release located within an approved or planned wellhead protection area as defined in 42 USC 300h-7(e)? **YES**. A review of the NCDENR website http://swap.deh.enr.state.nc.us/swap/ indicates that the site is located within two wellhead protection areas.

9. Is the release located in the Coastal Plain Physiographic region as designated on a map entitled "Geology of North Carolina" published by the Department in 1985? **YES**

10. Do the levels of groundwater contamination for any contaminants exceed the gross contaminant levels (see Table 9 of the New Guidelines) established by the Department? **YES**. Benzene was detected in groundwater sample collected from monitoring well MW-2 at a concentration of 5,500 ppb which exceeds the GCL for benzene of 5,000 ppb. Various polycyclic aromatic hydrocarbons (PAHs) were detected in the groundwater sampled collected from monitoring well MW-3 above their respective GCLs .

2 Land Use

Property Containing Source Area of Release

The questions below pertain to the property containing the source area of the release.

1. Does the property contain one or more primary or secondary residences (permanent or temporary)? **NO**

   Describe. The site is a parking lot with an automated teller machine.

2. Does the property contain a school, daycare center, hospital, playground, park, recreation area, church, nursing home, or other place of public assembly? **NO**

   Describe. The site is a parking lot with an automated teller machine.

3. Does the property contain a commercial (e.g., retail, warehouse, office/business space, etc.) or industrial (e.g., manufacturing, utilities, industrial research and development, chemical/petroleum bulk storage, etc.) enterprise, an inactive commercial or industrial enterprise, or is the land undeveloped? **YES**

   Describe. The site is a parking lot with an automated teller machine.

4. Do children visit the property? **YES**

   Describe. The site is not restricted and therefore children can visit the site. Groups of children walked across the site during the sampling of the site monitoring wells as part of this assessment.

5. Is access to the property reliably restricted consistent with its use (e.g., fences, security personnel or both)? **NO**

   Explain. Access restrictions are not deemed necessary.

6. Do pavement, buildings, or other structures cap the contaminated soil? **YES.** The site is a paved parking lot.

7. What is the zoning status of the property?

   According to the Town of Maxton, the subject site is zoned CB (Central Business District)

8. Is the use of the property likely to change in the next 20 years? **NO**

   Explain. The use of the property is likely to remain a parking lot for the foreseeable future.

Property Surrounding Source Area of Release

The questions below pertain to the area within 1,500 feet of the source area of the release (excludes property containing source area of the release).

1. What is the distance from the source area of the release to the nearest primary or secondary residence (permanent or temporary)? The nearest off-site residence to a former source of the release is located approximately 430 feet southeast of the site.

2. What is the distance from the source area of the release to the nearest school, daycare center, hospital, playground, park, recreation area, church, nursing home or other place of public assembly? The nearest place of public assembly to a former source area of the release is a church located approximately 185 feet west of the site.

3. What is the zoning status of properties in the surrounding area? According to the Town of Maxton, the site and surrounding properties are zoned as CB (Central Business District).

4. Briefly characterize the use and activities of the land in the surrounding area.

   The surrounding area is comprised of a church and commercial retail businesses including drug stores, a grocery store, a car wash, a bank, and a convenience store.

C RECEPTOR INFORMATION

1 Water-Supply Wells

Progress mailed a water-supply well questionnaire to the owners of each property (72 properties) within 500 feet of the site. Property ownership information was obtained by the Robeson County GIS website. A list of the water-supply well questionnaire recipients is included in the Appendix. 23 of 72 water-well questionnaire surveys sent out to properties within 500 feet of the site were returned to Progress. One of the returned well surveys indicated that an irrigation well is present on the property; however, the property is greater than 250 feet from the site and is connected to the municipal water supply. Each of the remaining 22 well surveys indicated municipal water is supplied to the property. Five of the water-well questionnaire surveys were returned as either "No Mail Receptacle Unable to Forward" or "Not Deliverable as Addressed". Copies of the returned water-supply well questionnaires are included in the Appendix.

Progress conducted an area reconnaissance to visually identify water supply wells within 1,500 feet of the site. The area reconnaissance did not identify evidence of water-supply wells within 1,500 feet of the site. A map depicting the 1,500-foot radius from the site is included as **Figure 6.**

Progress contacted the Town of Maxton personnel to determine the use of private potable water-supply wells in the Town of Maxton. According to Mr. Larry Combs with the Town of Maxton public works department, there are no private potable water-supply wells in the Town of Maxton and private potable water-supply wells are not allowed by Town ordinance. Mr. Maxton indicated that there may be private irrigation water-supply wells in the Town of Maxton.

2 Public Water Supplies

Are public water supplies available within 1,500 feet of the source are of the release? **YES**

Progress contacted the Town of Maxton Public Works personnel to determine the availability of municipal water to properties within 1,500 of the site. Mr. Combs indicated that the Town of Maxton utilizes two water-supply wells. Water-supply well #1 is located about one-half mile east-northeast of the site and water-supply well #2 (same well previously noted as water-supply well #1 in NCDENR memo) is located approximately 1,300 feet northwest of the site. Mr. Combs indicated that water-supply well #2 previously contained petroleum related contaminants until the well casing was repaired in 2006.

Progress reviewed the NCDENR website (http://swap.deh.enr.state.nc.us/swap/) to determine the sources of municipal water-supply sources in the vicinity of the subject site. According to a review of the NCDENR website (http://swap.deh.enr.state.nc.us/swap/), there is currently one municipal water-supply source within 1,500 feet of the site. This water-supply well is documented as Maxton Well #1 (same well referred to as Well #2 by Larry Combs with the Town of Maxton).

Progress reviewed the Town of Maxton Water Supply Plan maintained on the NCDENR website (http://www.ncwater.org/Water_Supply_Planning/Local_Water_Supply_Plan/report.php?pwsid=03-78-035&year=2007) to review information pertaining to public water-supply wells. According to the Town of Maxton Water Supply Plan, Well #1 is 172 feet deep and is screened from 82 feet to 165 feet and the pump intake is at a depth of 90 feet. According to the Town of Maxton Water Supply Plan, Well #2 is 204 feet deep, is cased down to 65 feet, is screened from 85 feet to 155 feet and the pump intake is at a depth of 90 feet.

3 Surface Water

Progress conducted an area reconnaissance to visually identify surface waters within 500 feet of the site. No surface waters were observed within 500 feet of the site.

4 Wellhead Protection Areas

Progress reviewed the NCDENR website (http://swap.deh.enr.state.nc.us/swap/) to determine the presence of wellhead protection areas in the vicinity of the subject site. According to a review of the NCDENR website (http://swap.deh.enr.state.nc.us/swap/), there are currently two approved Wellhead Protection (WHP) plans and associated areas within 1,500-feet the site. Progress contacted Mr. Gale Johnson with the NCDENR to obtain a copy of a map that depicts the location of the two water-supply wells and associated wellhead protection areas (**Figure 7**).

5 Deep Aquifers in the Coastal Plain Physiographic Region

The subject site is located in the Coastal Plain Physiographic Province. Based on a review of the *Hydrogeologic Framework of the North Carolina Coastal Plain*, the Town of Maxton is underlain by a surficial aquifer, followed by the Black Creek confining unit, the Black Creek Aquifer, the Upper Cape Fear confining unit and finally the Upper Cape Fear Aquifer. Based on depth of the well screens of the two Town of Maxton water-supply wells as documented in the

Town of Maxton Water Supply Plan, the wells are screened in the Black Creek aquifer and separated from the source of contamination by the documented Black Creek confining unit.

6 Subsurface Structures

Subsurface telecommunication and power lines are located in the former gasoline UST basin and are associated with the current automated teller machine located on the site. According to Mr. Larry Hagin, the Town of Maxton plumber, there are no water or sewer lines on the site in the vicinity of the former UST basins.

7 Property Owners and Occupants

The property is owned and occupied by Lumbee Guaranty Bank. A map depicting the site and adjacent properties and a table summarizing the owners of the site and surrounding properties is included on **Figure 8**.

D SITE GEOLOGY AND HYDROGEOLOGY

According to the Geologic Map of North Carolina, the subject site is located in the Yorktown and Duplin Formations of the Coastal Plain Physiographic Province of North Carolina. The Yorktown Formation is comprised of fossiliferous clay with varying amounts of fine grained sand. The Duplin Formation is comprised of shelly medium to coarse grained sand, sandy marl and limestone. The Coastal Plain is composed of seven terraces, each representing a former level of the Atlantic Ocean. Soils in this area generally consist of sedimentary materials transported from other areas by the ocean or rivers. These deposits vary in thickness from a thin veneer along the western edge of the region to more than 10,000 feet near the coast. The sedimentary deposits of the Coastal Plain rest upon consolidated rocks similar to those underlying the Piedmont and Mountain Physiographic Provinces.

In general, shallow unconfined groundwater movement within the overlying soils is controlled largely by topographic gradients. Recharge occurs primarily by infiltration along higher elevations and typically discharges into streams or other surface water bodies. The elevation of the shallow water table is transient and can vary with seasonal fluctuations in precipitation. Movement of groundwater under water table conditions is generally from higher to lower elevations.

The hydrogeologic framework of the North Carolina Coastal Plain aquifer system consists of ten aquifers separated by nine confining units. From top to bottom the aquifers are: the surficial aquifer, Yorktown aquifer, Pungo River aquifer, Castle Hayne aquifer, Beaufort aquifer, Peedee aquifer, Black Creek aquifer, upper Cape Fear aquifer, lower Cape Fear aquifer, and the Lower Cretaceous aquifer. The uppermost aquifer (the surficial aquifer in most places) is a water-table aquifer and the bottom of the system is underlain by crystalline bedrock. The sedimentary deposits forming the aquifers are of Holocene to Cretaceous age and are composed mostly of sand with lesser amounts of gravel and limestone. Confining units between aquifers are composed primarily of clay and silt. The thickness of the aquifers ranges from zero along the Fall Line to more than 10,000 feet at Cape Hatteras. Prominent structural features are the increasing easterly homoclinal dip of the sediments and the Cape Fear arch, the axis of which trends in a southeast direction. The stratigraphic continuity is determined from correlations of 161 geophysical logs along with data from drillers' and geologists' logs. Aquifers were defined by means of these logs plus water-level and water-quality data and evidence of the continuity of pumping effects. Eighteen hydrogeologic sections depict the correlation of these aquifers throughout the Coastal Plain.

Based on a review of the Hydrogeologic Framework of the North Carolina Coastal Plain (well #139), the Town of Maxton is underlain by a surficial aquifer, followed by the Black Creek confining unit, the Black Creek Aquifer, the Upper Cape Fear confining unit and finally the Upper Cape Fear Aquifer. Based on depth of the well screens of the two Town of Maxton water-supply wells, the wells are screened in the Black Creek aquifer.

E SAMPLING RESULTS

1 Soil

On March 3, 2011, Progress observed and documented the advancement of three soil borings (MW-1 through MW-3, **Figure 9**) by 3D Environmental Investigations, LLC (3D). The soil borings were advanced with the use of a Geoprobe®. The Geoprobe® consists of a hydraulic jack mounted on a light-duty truck. The Geoprobe® is capable of turning augers and driving various forms of groundwater and soil sampling probes into the ground to depths equivalent of auger refusal.

A representative portion of soil samples collected with the Geoprobe® were transferred into a new, clean resealable bag (half full), and the bag placed in a warm location. Approximately ten minutes after the time of collection, the bag was opened slightly and the probe of a RAE MiniRAE photoionization detector (PID) was inserted, and the bag immediately resealed using finger pressure. The meter of the PID was monitored and the reading recorded. The recorded PID responses are presented on the boring logs included in the Appendix.

The soil samples were appropriately packaged and submitted via overnight express delivery to Xenco Laboratories, Inc. (Xenco) located in Norcross, Georgia. Proper chain-of-custody procedures were maintained throughout the sample collection and transportation process. A copy of the chain-of-custody document is included in the Appendix.

Soil boring MW-1 was drilled in the approximate location of a former used oil UST basin. Since a soil sample was collected at the base of the UST excavation at the time of UST closure activities, Progress collected two soil samples from the boring at depths of 8-10 feet below the ground surface (bgs) and 13-15 feet bgs. Evidence of groundwater was encountered during the advancement of the soil boring at an approximate depth of 15 feet bgs.

Soil boring MW-2 was drilled in the approximate location of a former gasoline fuel dispenser island. Since no soil sampling was conducted at the former gasoline fuel dispenser island at the time of UST closure activities, Progress collected three soil samples from the boring at depths of 3-5 feet bgs, 8-10 feet bgs and 13-15 feet bgs. Evidence of groundwater was encountered during the advancement of the soil boring at an approximate depth of 15 feet bgs.

Soil boring MW-3 was drilled in the approximate location of a former gasoline UST basin. Since soil excavation activities conducted at the time of UST closure activities extended to the water table, Progress did not collect soil samples from this boring for laboratory analysis.

The soil samples collected from borings MW-1 and MW-2 were submitted to Xenco to be analyzed for VOCs using EPA Method 8260/5035; for SVOCs using EPA Method 8270D and for VPH & EPH using the MADEP methods. In addition, the soil samples collected from boring MW-1 were also analyzed for lead and total chromium using EPA Method 3051.

Laboratory analysis of each soil sample detected targeted constituents at concentrations that exceed their respective North Carolina risk-based Soil-to-Groundwater MSCCs. No targeted compound exceeded its respective North Carolina risk-based Residential MSCCs. A summary of the laboratory analytical results is included as Table 1. The laboratory data sheets are included in the Appendix.

2 Groundwater

On March 3, 2011, Progress observed and documented the installation of three monitoring wells (MW-1 through MW-3, **Figure 9**) by 3D. The borings for the wells were installed in the previously discussed soil borings. The monitoring wells were constructed with two-inch I.D. Schedule 40 PVC flushed-threaded casing and screen. The PVC screen and casing were lowered into the borehole to the bottom of each boring. A 15-foot length of slotted well screen with machined 0.010-inch slot widths and threaded bottom plug was installed at the bottom of each well. A solid section of PVC casing was placed above the screened interval and extended to a point just below the ground surface. The top of the casing was fitted with an expandable, lockable cap. The annular space around the well was filled with a washed fine filter sand to approximately two feet above the top of the screen. A seal of bentonite was placed above the sand pack. The annular space around the casing above the bentonite layer was filled with a bentonite/neat cement mixture to the ground surface. The top of the well casing was equipped with a lockable watertight well plug and a flush-mounted protective steel cover was installed over the well. A summary of the monitoring well construction data is included in Table 2. Soil boring logs and monitoring well construction records are included in the Appendix.

Groundwater monitoring wells MW-1, MW-2, and MW-3 were sampled on March 4, 2011. Prior to sampling, the monitoring wells were gauged for free product and a static water level measurement was collected to determine existing well volume. Free product was gauged by lowering a new disposal bailer half-way into the water column and retrieving to visually observe free product. No free product was observed in the site monitoring wells. Following free product gauging, static water level measurements were collected from each well. The water meter was decontaminated before use by washing in a solution of Alconox detergent and municipal water followed by a rinse with municipal water.

Prior to sampling, the monitoring wells were developed/purged to remove sand, silt and other fine sediments which may have entered the wells during construction and to promote communication between the surrounding formation and the sand pack surrounding the wells screened interval. The monitoring wells were purged by evacuating at least three well volumes using the aforementioned disposal bailer. To further demonstrate that the well was sufficiently purged, Progress continued to purge the well until the following geochemical field measurements had stabilized; temperature, pH, conductivity and dissolved oxygen. Progress utilized a YSI model 556MPS water quality meter calibrated using the manufacturers recommendations. Copies of the monitoring well field sampling sheets are included in the Appendix.

After well development/purging, the wells were allowed to recover to approximately 75 percent of the original well volume and groundwater samples were immediately collected from the wells. Sampling was accomplished using the disposable bailer. Immediately after collection, the groundwater sample was transferred into sample containers provided by the laboratory. After being filled, the sample containers were appropriately labeled and placed in protective packing material.

The groundwater samples were appropriately packaged and submitted via overnight express delivery to Xenco located in Norcross, Georgia. Proper chain-of-custody procedures were maintained throughout the sample collection and transportation process. A copy of the chain of custody document is included in the Appendix.

The groundwater samples were submitted to Xenco to be analyzed for VOCs using Standard Method 6200B with isopropyl ether (IPE) and MTBE; for ethylene dibromide (EDB) using EPA Method 504.1; for SVOCs using EPA Method 625BNA plus 10 tentatively identified compounds (TICs); for VPH & EPH using the MADEP Methods; and, for lead and chromium using Standard Method 3030C for preparation. Laboratory analysis of the groundwater samples detected targeted compounds in each monitoring well at concentrations that exceed their respective NC2LGWQS.

Benzene was detected in the groundwater sample collected from monitoring well MW-2 at a concentration that exceeds its North Carolina risk-based GCL. Several polycyclic aromatic hydrocarbons (PAHs) including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-c,d)pyrene were detected in the groundwater sample collected from monitoring well MW-3 at concentrations that exceed their respective North Carolina risk-based GCLs. A summary of the laboratory analytical results is included as Table 3. The laboratory data sheets are included in the Appendix.

The relative elevation of the top of each well casing (MW-1 through MW-3) was measured to the nearest 0.01 feet using a level and rod. The elevations were measured relative to an arbitrary benchmark that was assigned an elevation of 100 feet. The relative elevation of the top of casing for each well and the measurement of the depth to groundwater surface from the top of the well casing were used to determine the relative elevation of groundwater at each well location. The groundwater elevations on March 4, 2011 were used to prepare a potentiometric map of the site (**Figure 10**). Based on our interpretation of the groundwater contours utilizing site monitoring wells, groundwater at the site flows generally to the northeast across the site.

F FREE PRODUCT INVESTIGATION/RECOVERY

Free product was not encountered in site monitoring wells during this investigation.

G CONCLUSIONS

Based on the findings of this Limited Site Assessment and the previously completed assessments conducted by others, Progress concludes the following:

- Soil impacted with petroleum constituents at concentrations that exceed North Carolina risk-based Soil-to-Groundwater MSCCs remain beneath the site. The horizontal extent of soil impacts has not been defined, but likely extends off-site beneath the two adjoining roads (Patterson Street and Martin Luther King, Jr. Drive). Impacted soils extend to groundwater and therefore, the vertical extent of soil impact beneath the site has been defined.

- The depth to groundwater beneath the site is approximately 5 feet bgs.

- Progress installed and sampled three groundwater monitoring wells (MW-1 through MW-3) at the site. Laboratory analysis of groundwater samples collected from each of the site monitoring wells detected numerous targeted constituents at concentrations that exceed their respective NC2LGWQS. Laboratory analysis of groundwater samples collected from monitoring wells MW-2 and MW-3 detected targeted compounds at concentrations that exceed their respective North Carolina risk-based GCLs.

- No private or public potable water-supply wells were identified within 1,000-feet of the former source areas of the release. No private or public non-potable or inactive water-supply wells were identified within 250 feet of the former source areas of the release.

- The public water source for the Town of Maxton is groundwater obtained from two public water-supply wells located approximately 1,220 feet and 2,900 feet respectively, from the former sources areas of the release. According to the Town of Maxton, historical testing of the water-supply well located approximately 1,220 feet from the former source areas of the release has revealed petroleum impact which was addressed by fixing an apparent leaking well casing. Water testing of the well has not revealed petroleum impact since repairs to the well. The source of the groundwater impact to the public water-supply well is not known.

- The site is located in the Coastal Plain physiographic province.

- The site is located within a wellhead protection area.
- The site meets the criteria to be ranked as Intermediate Risk.

H RECOMMENDATIONS

Based on the findings of this Limited Site Assessment, Progress recommends the following:

- Progress recommends conducting semi-annual groundwater monitoring at the site until contaminant concentrations fall to below North Carolina risk-based GCLs.
- In an effort to expedite the reduction of benzene concentrations in monitoring well MW-2 and PAHs in monitoring well MW-3, Progress recommends conducting a one-week MMPE event utilizing monitoring wells MW-2 and MW-3 as extraction points in an effort to reduce contaminant concentrations to below North Carolina risk-based GCLs and thereby allowing the site to be re-ranked from Intermediate to Low risk and may be eligible for risk-based site closure.

I QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in assessment projects of this type. Our evaluation of site conditions has been based on our understanding of the site project information and the data obtained during our field activities.

J REFERENCES

Environmental Hydrogeological Consultants, Inc., *Report of Underground Storage Tank Report*, report dated April 18, 2005.

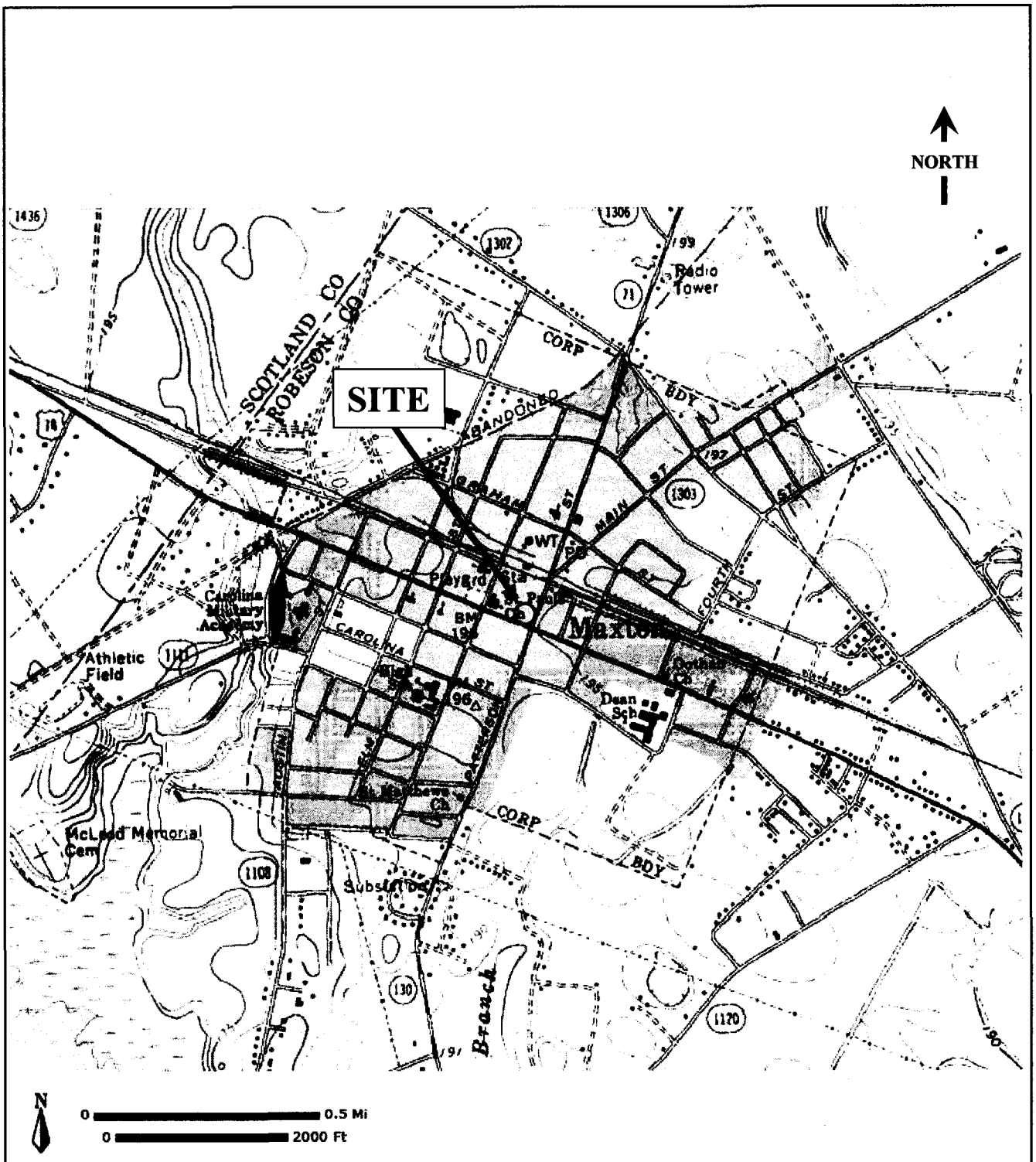
North Carolina Department of Environment and Natural Resources, *Summary of Site History*, memo dated October 27, 2008.

North Carolina Department of Natural Resources and Community Development *Geologic Map of North Carolina* published 1985.

United States Geological Survey Professional Paper 1404-I, *Hydrogeologic Framework of the North Carolina Coastal Plain Aquifer System*, M.D. Winner, Jr., and R.W. Coble, 1996.

Underground Storage Tank Section, North Carolina Department of Environment and Natural Resources, *Guidelines for Assessment and Corrective Action for UST Releases,* July 15, 2008 Version.

FIGURES

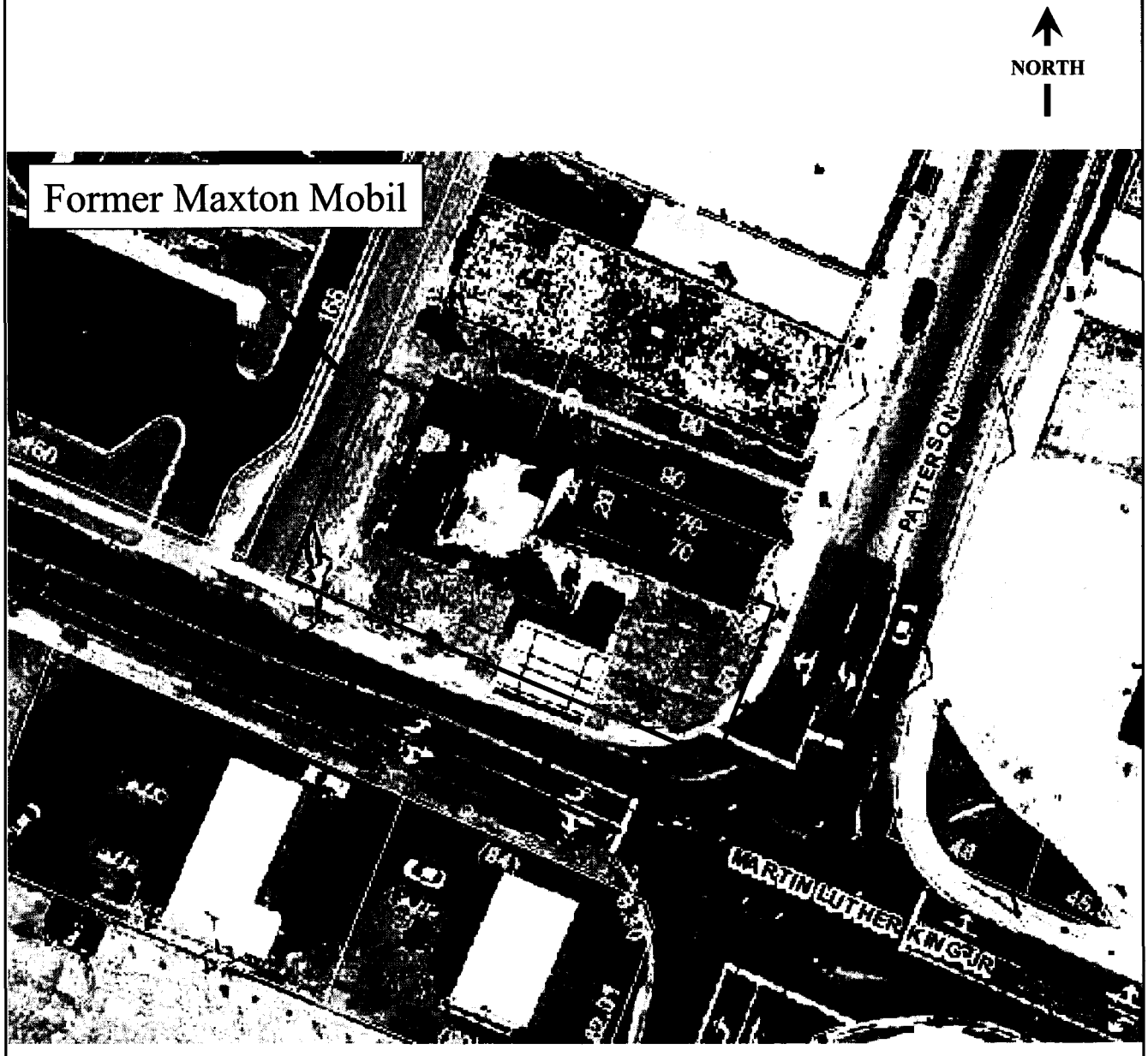


SOURCE: **USGS Topographic Map** **Maxton, NC Quadrangle** **SCALE: As Shown**	Progress ENVIRONMENTAL INC	**FIGURE 1** **SITE LOCATION MAP** Former Maxton Mobil Intersection of Hwy 74 Bus. & Hwy 71 Maxton, Robeson County, North Carolina

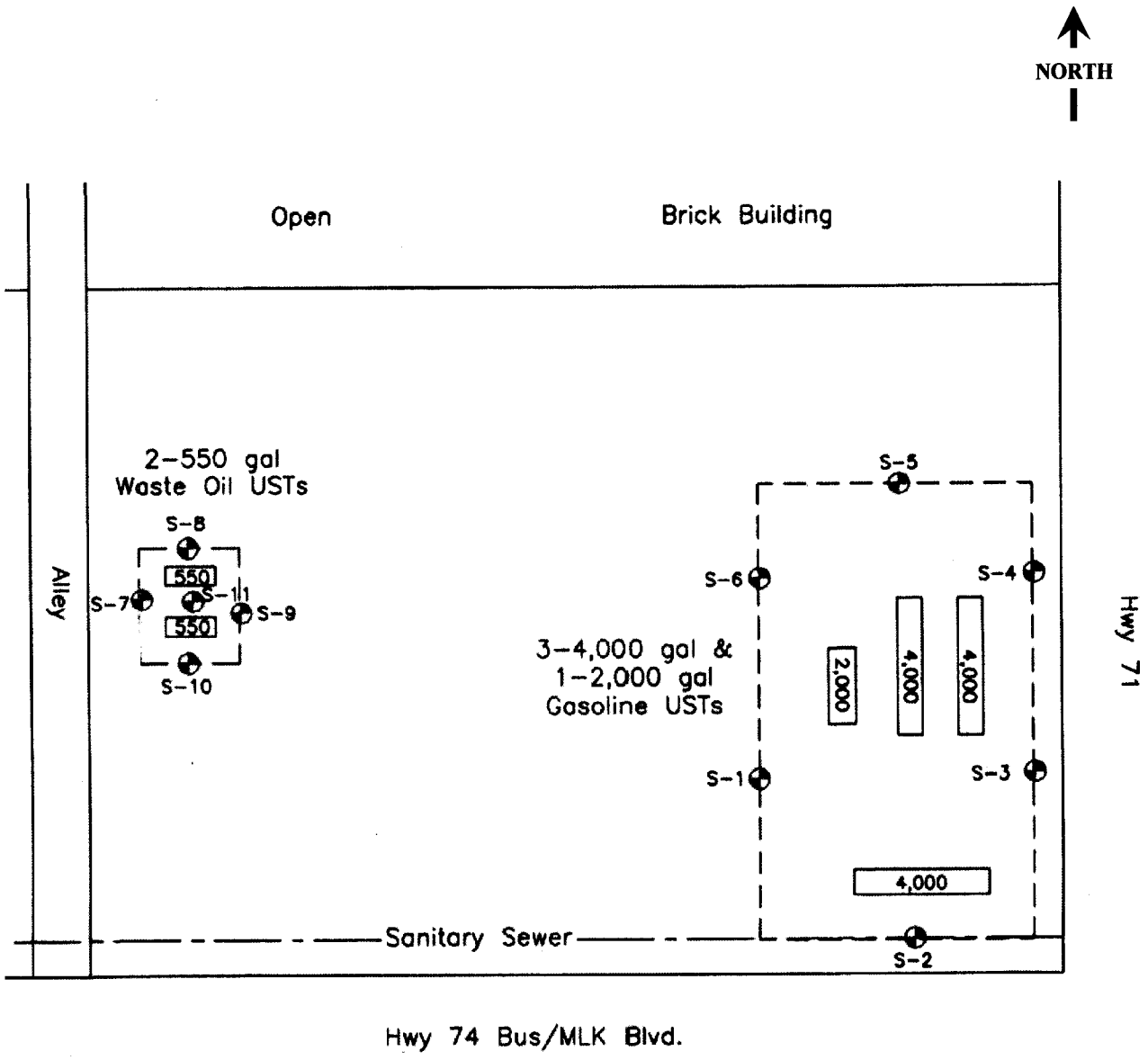
NORTH

Former Maxton Mobil

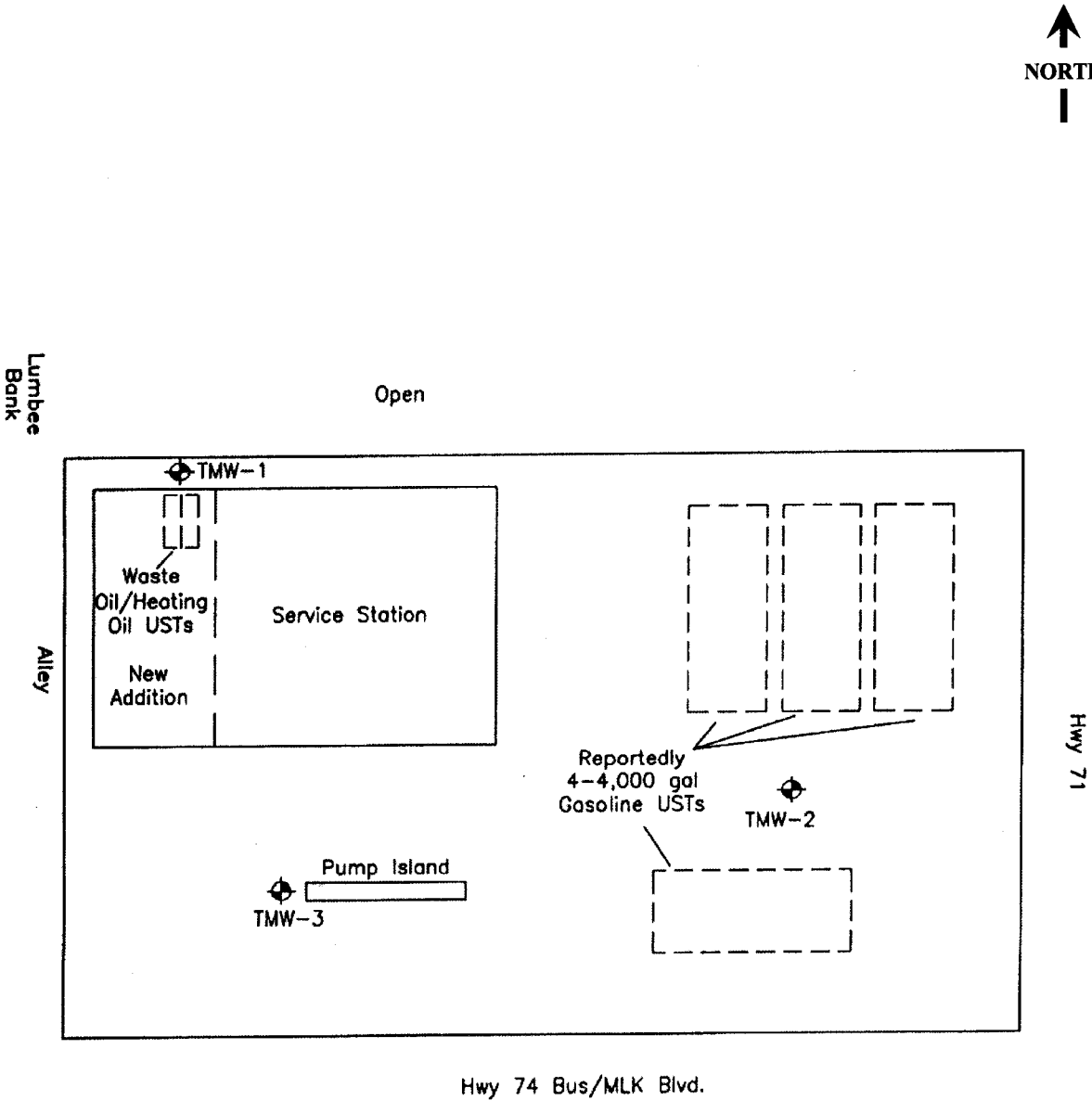
SOURCE: **Robeson County GIS** **SCALE: NTS**	Progress ENVIRONMENTAL INC	**FIGURE 2** **2008 AERIAL SITE MAP** Former Maxton Mobil Intersection of Hwy 74 Bus. and Hwy 71 Maxton, Robeson County, North Carolina



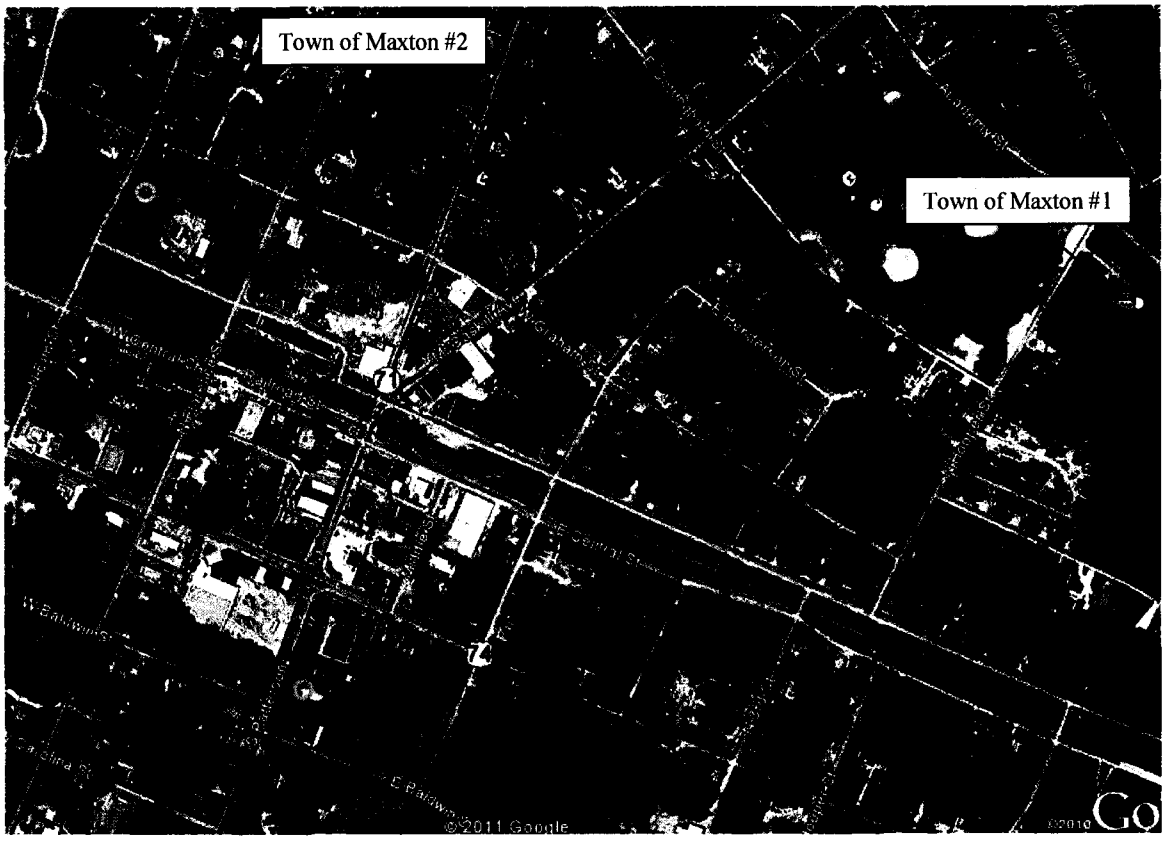
SOURCE: **Robeson County GIS (year unknown)** **SCALE: NTS**	Progress ENVIRONMENTAL INC	**FIGURE 3** **AERIAL PHOTOGRAPH SHOWING FORMER GASOLINE SERVICE STATION CONFIGURATION** Former Maxton Mobil Intersection of Hwy 74 Bus. and Hwy 71 Maxton, Robeson County, North Carolina



SOURCE: **Environmental Hydrogeologic Consultants, Inc.** **SCALE: Not to Scale**	Progress ENVIRONMENTAL INC	**FIGURE 4** **SITE MAP SHOWING UST AND SOIL SAMPLE LOCATIONS** Former Maxton Mobil Intersection of Hwy 74 Bus. and Hwy 71 Maxton, Robeson County, North Carolina



SOURCE: **Environmental Hydrogeologic Consultants, Inc.** **SCALE: Not to Scale**	Progress ENVIRONMENTAL INC	**FIGURE 5** **SITE MAP SHOWING PREVIOUS GROUNDWATER SAMPLE LOCATIONS** Former Maxton Mobil Intersection of Hwy 74 Bus. and Hwy 71 Maxton, Robeson County, North Carolina



= Site Location

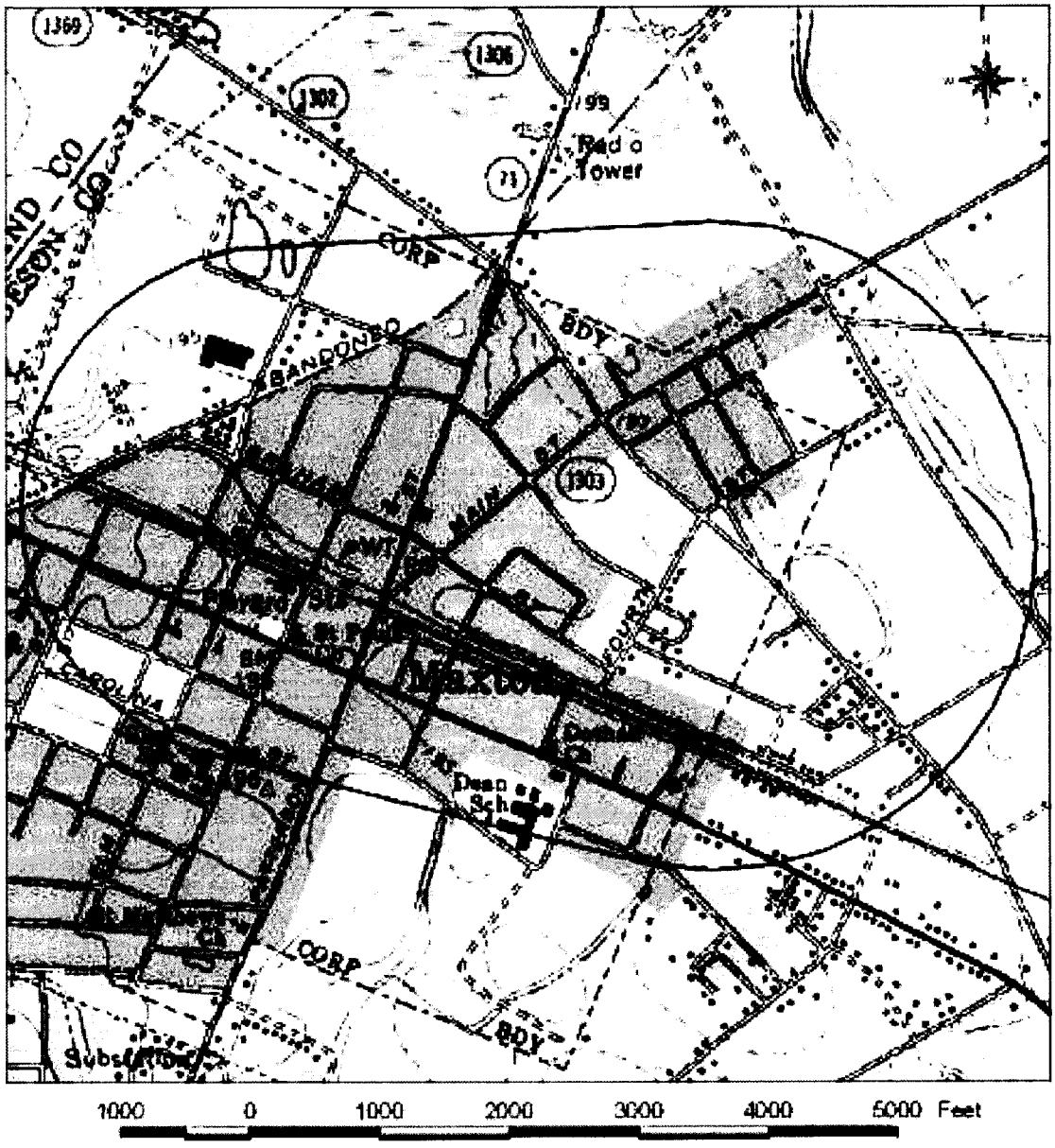
= Town of Maxton Water-Supply Well Location = reported location of irrigation water-supply well

Distance from site to Town of Maxton Well #1 = approximately 2,875 feet

Distance from site to Town of Maxton Well #2 = approximately 1,220 feet

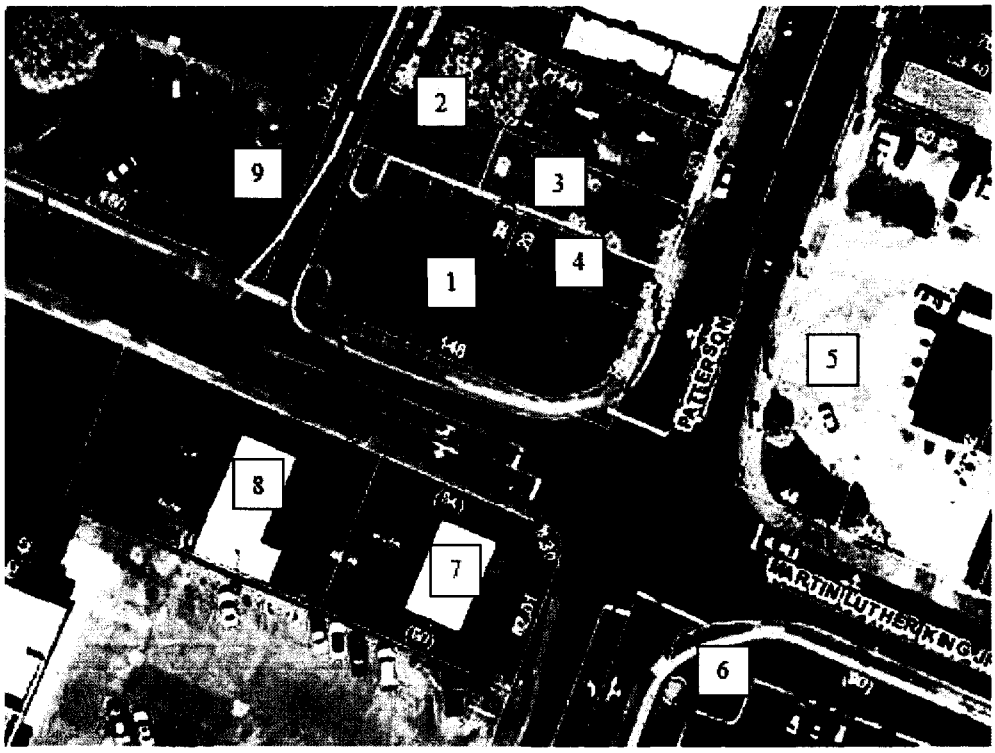
SOURCE: **GOOGLE EARTH** **SCALE: Not to Scale**	Progress ENVIRONMENTAL INC	**FIGURE 6** **WATER-SUPPLY WELL LOCATION MAP** Former Maxton Mobil Intersection of Hwy 74 Bus. and Hwy 71 Maxton, Robeson County, North Carolina

Approved Wellhead Protection Area (03/31/08)
Town of Maxton
Robeson County
PWSID# 03-78-035
WHP Plan No. 11-R1



O = Site Location

SOURCE: **Robeson County GIS** **SCALE: Not to Scale**	Progress ENVIRONMENTAL INC	**FIGURE 7** **WELLHEAD PROTECTION AREA LOCATION MAP** Former Maxton Mobil Intersection of Hwy 74 Bus. and Hwy 71 Maxton, Robeson County, North Carolina



SITE AND ADJACENT PROPERTY OWNERSHIP		
Parcel Ref. Number / Orientation to Site	**Owner/ Property Address**	**Owner's Address**
1 – Site	Lumbee Guaranty Bank, Inc. Martin Luther King, Jr. Boulevard	P.O. Box 908 Pembroke, NC 28372
2 – North of Site	Essey Brothers Realty N. Patterson Street	P.O. Box 725 Laurinburg, NC 28353
3 – North of Site	Town of Maxton N. Patterson Street	P.O. Box 99 Maxton, NC 28364
4 – North of Site	Lumbee Guaranty Bank, Inc. N. Patterson Street	P.O. Box 908 Pembroke, NC 28372
5 – East of Site	Davis and Wanda Hester Patterson Street	122 Best Drive Lumberton, NC 28358
6 – Southeast of Site	Trason Maxton, LLC c/o Walgreens #13960 Patterson Street	P.O. Box 901 Deerfield, IL 60015-0901
7 – South of Site	Robert and Margaret Smith Martin Luther King, Jr. Boulevard	P.O. Box 452 Rowland, NC 28383
8 – South of Site	Robert and Margaret Smith Martin Luther King, Jr. Boulevard	P.O. Box 452 Rowland, NC 28383
9 – West of Site	Lumbee Guaranty Bank, Inc. N. Patterson Street	P.O. Box 908 Pembroke, NC 28372

SOURCE:

Robeson County GIS

SCALE: Not to Scale

Progress ENVIRONMENTAL INC

FIGURE 8

SITE AND ADJACENT PROPERTY OWNERSHIP INFORMATION

Former Maxton Mobil
Intersection of Hwy 74 Bus. and Hwy 71
Maxton, Robeson County, North Carolina

● = Monitoring well location

SOURCE: **Robeson County GIS** **SCALE: 1" = 30'**	Progress ENVIRONMENTAL INC	**FIGURE 9** **MONITORING WELL LOCATION MAP** Former Maxton Mobil Intersection of Hwy 74 Bus. and Hwy 71 Maxton, Robeson County, North Carolina

● = Monitoring well location

(89.55') = Referenced groundwater elevation

= Groundwater flow direction

[8.59'] = Contour interval = 0.01'

SOURCE: **Robeson County GIS** **SCALE: 1" = 30'**	Progress ENVIRONMENTAL INC	**FIGURE 10** **POTENTIOMETRIC MAP** Former Maxton Mobil Intersection of Hwy 74 Bus. and Hwy 71 Maxton, Robeson County, North Carolina

TABLES

TABLE 1
SUMMARY OF SOIL SAMPLING RESULTS

Project Type: Limited Site Assessment
Project Name: Former Maxton Mobil
Progress Project Number: 251063.001

Analytical Method			VPH	VPH & EPH	VPH & EPH	EPH	3051		8260/5035													8270D				
Contaminant of Concern			C5-C8 Aliphatics (mg/kg)	C9-C22 Aromatics (mg/kg)	C9-C18 Aliphatics (mg/kg)	C19-C36 Aliphatics (mg/kg)	Chromium	Lead	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	4-Isopropyltoluene	sec-Butylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes, Total	2-Methylnaphthalene	bis(2-ethylhexyl)phthalate	Dibenzofuran	Fluorene	Naphthalene
Sample ID	Date Collected	Sample Depth (ft)																								
MW-1	03/03/11	8 - 10	ND	7.02	54.8	ND	9.02	5.78	0.029	ND	ND	ND	0.020	ND	ND	ND	0.0090	ND	0.0039	ND	ND	ND	0.183	ND	ND	ND
MW-1		13 - 15	12.9	81.6	450	ND	5.90	4.21	ND	ND	0.051	0.20	2.2	ND	0.40	0.72	0.40	ND	3.9	1.6	0.1617	3.42	0.211	0.0909	0.0702	0.675
MW-2		3 - 5	3.89	1.23	2.84	ANR	ANR	ANR	ND	0.034	1.4	0.49	0.46	0.81	1.6	ND	0.31	0.13	0.11	0.084	0.2265	ANR	ANR	ANR	ANR	ANR
MW-2		8 - 10	238	97.9	170	ANR	ANR	ANR	ND	ND	10	2.8	5.8	ND	8.1	1.1	1.1	1.3	40	5.7	14.25	ANR	ANR	ANR	ANR	ANR
MW-2		13 - 15	415	105	201	ANR	ANR	ANR	ND	1.6	9.5	1.3	3.2	1.9	2.9	0.44	ND	28	16	5.6	40	ANR	ANR	ANR	ANR	ANR
Soil-to-Groundwater MSCC (mg/kg)			68	31	540	#	5.4	270	24	0.0056	4.9	1.7	0.16	4.3	1.7	*	3.3	4.3	8.5	8.3	4.6	3.6	6.6	*	47	0.16
Residential MSCC (mg/kg)			939	469	1,500	31,000	47	400	14,000	18	1,560	1,564	313	626	626	*	626	1,200	782	782	3,129	63	46	*	620	313
Industrial/Commercial MSCC (mg/kg)			24,528	12,264	40,000	810,000	1,226	400	360,000	164	40,000	40,880	8,176	16,350	16,350	*	16,350	32,000	20,440	20,440	81,760	1,635	410	*	16,400	8,176

Soil samples collected during UST closure and initial abatement action activities
mg/kg = milligrams per kilograms (ppm)
MSCC = Maximum Soil Contaminant Concentrations
ppm = parts per million
ND = Not detected above laboratory detection limits
ANR = Analysis not run
N/A = Not applicable
* = No standard established. Detectable concentration considered a violation.
concentration exceeds Soil-to-Groundwater MSCC

TABLE 2
MONITORING WELL CONSTRUCTION DATA
Former Maxton Mobil
Maxton, Robeson County, North Carolina
Progress Project 251063.001

Well ID	Date Constructed	Casing Interval	Screen Interval	Sand Pack Interval	Seal Interval	Grout Interval	Static Water Level	TOC Elevation	Relative Groundwater Elevation
MW-1	03/03/2011	0-5	5-20	3-20	2-3	0-2	5.12	94.69	89.57
MW-2	03/03/2011	0-4	4-19	3-19	2-3	0-2	4.76	94.36	89.60
MW-3	03/03/2011	0-4	4-19	3-19	2-3	0-2	4.98	94.53	89.55

Notes:
All Measurements are in feet
TOC = Top of Casing elevation
Static Water Level Measured from TOC on March 4, 2011

TABLE 3
SUMMARY OF GROUNDWATER SAMPLING RESULTS

Project Type: Limited Site Assessment Report
Project Name: Former Maxton Mobil
Progress Project Number: 251063.001

Analytical Method			6010C / 3030C		504.1	VPH	VPH & EPH		EPH	6200B															
Sample ID	Sample Date	Depth to Groundwater (ft TOC)	Lead	Chromium	Ethylene Dibromide	C5-C8 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics	C19-C36 Aliphatics	Benzene	Ethylbenzene	Isopropylbenzene	Methyl-tert-buty-ether	Naphthalene	n-propylbenzene	p-Isopropyltoluene	sec-butylbenzene	Styrene	tert-butylbenzene	Toluene	Total Xylenes	1,2,4-trimethylbenzene	1,3,5-trimethylbenzene		
MW-1		5.12	0.0123	0.0177	ND	48.0	1,432	529	ND	130	66.1	23.9	250	160	17.1	2.06	8.25	0.300	2.24	24.8	36.2	14.9	9.15		
MW-2	3/4/2011	4.76	0.00550	0.00440	0.0392	1,720	3,220	4,322	ND	[redacted]	2,300	135	1,680	473	212	10.4	11.0	27.0	ND	16,100	9,700	1,460	394		
MW-3		4.98	0.0168	0.00120	0.0582	2,800	3,623	3,885	ND	3,500	1,680	125	570	438	196	12.6	13.2	7.60	ND	1,490	2,992	1,050	365		
Trip Blank		N/A	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
NC2LGWQS (ug/L)			0.015	0.01	0.02	400	200	700	10,000	1	600	70	20	6	70	25	70	70	70	600	500	400	400		
Gross Contamination Levels (ug/L)			15	10	50	N/A	N/A	N/A	N/A	5,000	84,500	25,000	20,000	6,000	30,000	**	8,500	70,000	15,000	260,000	85,500	28,500	25,000		

Sample ID	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzoic Acid	Bis(2-ethylhexyl)phthalate	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	2-Methylnaphthalene	2-Methylphenol	3&4-Methylphenol	Naphthalene	Pyrene	TICs
MW-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.95	ND	2.68	ND	20.1	ND	ND	98.5	ND	10 TICs
MW-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.7	6.28	6.57	268	ND	10 TICs
MW-3	[redacted]	[redacted]	[redacted]	13.8	[redacted]	21.9	1.37	[redacted]	[redacted]	ND	4.35	ND	[redacted]	68.6	ND	3.18	252	3.11	10 TICs
Trip Blank	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
NC2LGWQS (ug/L)	0.05	0.005	0.05	200	0.5	30,000	3	5	0.005	28	300	300	0.05	30	400	*	6	200	N/A
Gross Contamination Levels (ug/L)	4.7	0.81	0.75	200	0.5	1,700,000	170	5	1.2	28,000	300	990	0.05	12,500	**	**	6,000	200	N/A

Monitoring wells installed and sampled as part of UST closure and intial abatement action activities.
Concentrations reported in ug/L (micrograms per Liter) = parts per billion (ppb), unless otherwise noted in *italics*.
Italics = concentrations reported in mg/L (milligrams per Liter) = parts per million (ppm)
NC2LGWQS = North Carolina 2L Groundwater Quality Standards
GCL = North Carolina Risk-Based Gross Contamination Levels
[white box] = Concentration exceeds NC2LGWQS
[black box] = Concentration exceeds GCL
* = no NC2LGWQS standard established. Detectable concentration considered a violation of NC2LGWQS
** = No GCL standard established.
BOLD = Groundwater Interim Maximum Allowable Concentration, Effective April 1, 2011
ND = Not detected above laboratory detection limits
N/A = Not applicable
ANR = Analysis not run

ENVIRONMENTAL SCIENCE CORP.

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

September 02,2003

ESC Sample # : L125112-01

Date Received : August 22, 2003
Description : Maxton Mobil

Site ID :

Sample ID : TMW-1 9 FT

Project # : 03-EV0809-1

Collected By : T Ammons
Collection Date : 08/21/03 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	BDL	1.0	ug/l	601/602MS	08/25/03	1
Bromodichloromethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
Bromoform	BDL	1.0	ug/l	601/602MS	08/25/03	1
Bromomethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
Carbon Tetrachloride	BDL	1.0	ug/l	601/602MS	08/25/03	1
Chlorobenzene	BDL	1.0	ug/l	601/602MS	08/25/03	1
Chlorodibromomethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
Chloroethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601/602MS	08/25/03	1
Chloroform	BDL	1.0	ug/l	601/602MS	08/25/03	1
Chloromethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,2-Dibromoethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	08/25/03	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,1-Dichloroethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,2-Dichloroethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,1-Dichloroethene	BDL	1.0	ug/l	601/602MS	08/25/03	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,2-Dichloropropane	BDL	1.0	ug/l	601/602MS	08/25/03	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	08/25/03	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	08/25/03	1
Di-isopropyl ether	BDL	5.0	ug/l	601/602MS	08/25/03	1
Ethylbenzene	BDL	1.0	ug/l	601/602MS	08/25/03	1
Methylene chloride	BDL	5.0	ug/l	601/602MS	08/25/03	1
Methyl tert-butyl ether	BDL	5.0	ug/l	601/602MS	08/25/03	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
Tetrachloroethene	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
Trichloroethene	BDL	1.0	ug/l	601/602MS	08/25/03	1
Trichlorofluoromethane	BDL	1.0	ug/l	601/602MS	08/25/03	1
Toluene	BDL	5.0	ug/l	601/602MS	08/25/03	1
Vinyl chloride	BDL	1.0	ug/l	601/602MS	08/25/03	1
o-Xylene	BDL	1.0	ug/l	601/602MS	08/25/03	1
m&p-Xylene	1.5	2.0	ug/l	601/602MS	08/25/03	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
L125112-01 (SV625TIC) - No extra bottles, cannot be re-extracted/out of hold

ENVIRONMENTAL SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

September 02,2003

ESC Sample # : L125112-01

Site ID :

Project # : 03-EV0809-1

Date Received : August 22, 2003
Description : Maxton Mobil

Sample ID : TMW-1 9 FT

Collected By : T Ammons
Collection Date : 08/21/03 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
625 Base/Neutrals w/ TIC						
Acenaphthene	BDL	10.	ug/l	625	08/30/03	1
Acenaphthylene	BDL	10.	ug/l	625	08/30/03	1
Anthracene	BDL	10.	ug/l	625	08/30/03	1
Benzidine	BDL	50.	ug/l	625	08/30/03	1
Benzo(a)anthracene	BDL	10.	ug/l	625	08/30/03	1
Benzo(b)fluoranthene	BDL	10.	ug/l	625	08/30/03	1
Benzo(k)fluoranthene	BDL	10.	ug/l	625	08/30/03	1
Benzo(g,h,i)perylene	BDL	10.	ug/l	625	08/30/03	1
Benzo(a)pyrene	BDL	10.	ug/l	625	08/30/03	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	625	08/30/03	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	625	08/30/03	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	625	08/30/03	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	625	08/30/03	1
2-Chloronaphthalene	BDL	10.	ug/l	625	08/30/03	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	625	08/30/03	1
Chrysene	BDL	10.	ug/l	625	08/30/03	1
Dibenz(a,h)anthracene	BDL	10.	ug/l	625	08/30/03	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	625	08/30/03	1
2,4-Dinitrotoluene	BDL	10.	ug/l	625	08/30/03	1
2,6-Dinitrotoluene	BDL	10.	ug/l	625	08/30/03	1
Fluoranthene	BDL	10.	ug/l	625	08/30/03	1
Fluorene	BDL	10.	ug/l	625	08/30/03	1
Hexachlorobenzene	BDL	10.	ug/l	625	08/30/03	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	625	08/30/03	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	625	08/30/03	1
Hexachloroethane	BDL	10.	ug/l	625	08/30/03	1
Indeno(1,2,3-cd)pyrene	BDL	10.	ug/l	625	08/30/03	1
Isophorone	BDL	10.	ug/l	625	08/30/03	1
Naphthalene	BDL	10.	ug/l	625	08/30/03	1
Nitrobenzene	BDL	10.	ug/l	625	08/30/03	1
n-Nitrosodimethylamine	BDL	10.	ug/l	625	08/30/03	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	625	08/30/03	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	625	08/30/03	1
Phenanthrene	BDL	10.	ug/l	625	08/30/03	1
Benzylbutyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Bis(2-ethylhexyl)phthalate	BDL	10.	ug/l	625	08/30/03	1
Di-n-butyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Diethyl phthalate	BDL	10.	ug/l	625	08/30/03	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
L125112-01 (SV625TIC) - No extra bottles, cannot be re-extracted/out of hold

ENVIRONMENTAL SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

September 02,2003

ESC Sample # : L125112-01

Date Received : August 22, 2003
Description : Maxton Mobil

Site ID :

Sample ID : TMW-1 9 FT

Project # : 03-EV0809-1

Collected By : T Ammons
Collection Date : 08/21/03 08:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dimethyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Di-n-octyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Pyrene	BDL	10.	ug/l	625	08/30/03	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	625	08/30/03	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	625	08/30/03	1
2-Chlorophenol	BDL	10.	ug/l	625	08/30/03	1
2,4-Dichlorophenol	BDL	10.	ug/l	625	08/30/03	1
2,4-Dimethylphenol	BDL	10.	ug/l	625	08/30/03	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	625	08/30/03	1
2,4-Dinitrophenol	BDL	10.	ug/l	625	08/30/03	1
2-Nitrophenol	BDL	10.	ug/l	625	08/30/03	1
4-Nitrophenol	BDL	10.	ug/l	625	08/30/03	1
Pentachlorophenol	BDL	10.	ug/l	625	08/30/03	1
Phenol	BDL	10.	ug/l	625	08/30/03	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	625	08/30/03	1
Surrogate Recovery						
Nitrobenzene-d5	43.		% Rec.	625	08/30/03	1
2-Fluorobiphenyl	38.		% Rec.	625	08/30/03	1
p-Terphenyl-d14	54.		% Rec.	625	08/30/03	1
Phenol-d5	21.		% Rec.	625	08/30/03	1
2-Fluorophenol	29.		% Rec.	625	08/30/03	1
2,4,6-Tribromophenol	47.		% Rec.	625	08/30/03	1

Cheli Boucher

Cheli Boucher, ESC Representative

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 09/02/03 20:08 Printed: 09/02/03 20:09
L125112-01 (SV625TIC) - No extra bottles, cannot be re-extracted/out of hold

ENVIRONMENTAL SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

September 02,2003

ESC Sample # : L125112-02

Site ID :

Project # : 03-EV0809-1

Date Received : August 22, 2003
Description : Maxton Mobil

Sample ID : TMW-2 9 FT

Collected By : T Ammons
Collection Date : 08/21/03 08:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	490	50.	ug/l	601/602MS	08/23/03	50
Bromodichloromethane	BDL	50.	ug/l	601/602MS	08/23/03	50
Bromoform	BDL	50.	ug/l	601/602MS	08/23/03	50
Bromomethane	BDL	50.	ug/l	601/602MS	08/23/03	50
Carbon Tetrachloride	BDL	50.	ug/l	601/602MS	08/23/03	50
Chlorobenzene	BDL	50.	ug/l	601/602MS	08/23/03	50
Chlorodibromomethane	BDL	50.	ug/l	601/602MS	08/23/03	50
Chloroethane	BDL	50.	ug/l	601/602MS	08/23/03	50
2-Chloroethyl vinyl ether	BDL	2500	ug/l	601/602MS	08/23/03	50
Chloroform	BDL	50.	ug/l	601/602MS	08/23/03	50
Chloromethane	BDL	50.	ug/l	601/602MS	08/23/03	50
1,2-Dibromoethane	BDL	50.	ug/l	601/602MS	08/23/03	50
1,2-Dichlorobenzene	BDL	50.	ug/l	601/602MS	08/23/03	50
1,3-Dichlorobenzene	BDL	50.	ug/l	601/602MS	08/23/03	50
1,4-Dichlorobenzene	BDL	50.	ug/l	601/602MS	08/23/03	50
Dichlorodifluoromethane	BDL	50.	ug/l	601/602MS	08/23/03	50
1,1-Dichloroethane	BDL	50.	ug/l	601/602MS	08/23/03	50
1,2-Dichloroethane	BDL	50.	ug/l	601/602MS	08/23/03	50
1,1-Dichloroethene	BDL	50.	ug/l	601/602MS	08/23/03	50
trans-1,2-Dichloroethene	BDL	50.	ug/l	601/602MS	08/23/03	50
1,2-Dichloropropane	BDL	50.	ug/l	601/602MS	08/23/03	50
cis-1,3-Dichloropropene	BDL	50.	ug/l	601/602MS	08/23/03	50
trans-1,3-Dichloropropene	BDL	50.	ug/l	601/602MS	08/23/03	50
Di-isopropyl ether	BDL	250	ug/l	601/602MS	08/23/03	50
Ethylbenzene	1100	50.	ug/l	601/602MS	08/23/03	50
Methylene chloride	BDL	250	ug/l	601/602MS	08/23/03	50
Methyl tert-butyl ether	BDL	250	ug/l	601/602MS	08/23/03	50
1,1,2,2-Tetrachloroethane	BDL	50.	ug/l	601/602MS	08/23/03	50
Tetrachloroethene	BDL	50.	ug/l	601/602MS	08/23/03	50
1,1,1-Trichloroethane	BDL	50.	ug/l	601/602MS	08/23/03	50
1,1,2-Trichloroethane	BDL	50.	ug/l	601/602MS	08/23/03	50
Trichloroethene	BDL	50.	ug/l	601/602MS	08/23/03	50
Trichlorofluoromethane	BDL	50.	ug/l	601/602MS	08/23/03	50
Toluene	BDL	250	ug/l	601/602MS	08/23/03	50
Vinyl chloride	BDL	50.	ug/l	601/602MS	08/23/03	50
o-Xylene	BDL	50.	ug/l	601/602MS	08/23/03	50
m&p-Xylene	1000	50.	ug/l	601/602MS	08/23/03	50

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
L125112-02 (SV625TIC) - No extra bottles, cannot be re-extracted/out of hold

ENVIRONMENTAL SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

September 02,2003

Date Received : August 22, 2003
Description : Maxton Mobil

ESC Sample # : L125112-02

Sample ID : TMW-2 9 FT

Site ID :

Project # : 03-EV0809-1

Collected By :
Collection Date : 08/21/03 08:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
625 Base/Neutrals w/ TIC						
Acenaphthene	BDL	10.	ug/l	625	08/30/03	1
Acenaphthylene	BDL	10.	ug/l	625	08/30/03	1
Anthracene	BDL	10.	ug/l	625	08/30/03	1
Benzidine	BDL	50.	ug/l	625	08/30/03	1
Benzo(a)anthracene	BDL	10.	ug/l	625	08/30/03	1
Benzo(b)fluoranthene	BDL	10.	ug/l	625	08/30/03	1
Benzo(k)fluoranthene	BDL	10.	ug/l	625	08/30/03	1
Benzo(g,h,i)perylene	BDL	10.	ug/l	625	08/30/03	1
Benzo(a)pyrene	BDL	10.	ug/l	625	08/30/03	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	625	08/30/03	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	625	08/30/03	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	625	08/30/03	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	625	08/30/03	1
2-Chloronaphthalene	BDL	10.	ug/l	625	08/30/03	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	625	08/30/03	1
Chrysene	BDL	10.	ug/l	625	08/30/03	1
Dibenz(a,h)anthracene	BDL	10.	ug/l	625	08/30/03	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	625	08/30/03	1
2,4-Dinitrotoluene	BDL	10.	ug/l	625	08/30/03	1
2,6-Dinitrotoluene	BDL	10.	ug/l	625	08/30/03	1
Fluoranthene	BDL	10.	ug/l	625	08/30/03	1
Fluorene	BDL	10.	ug/l	625	08/30/03	1
Hexachlorobenzene	BDL	10.	ug/l	625	08/30/03	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	625	08/30/03	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	625	08/30/03	1
Hexachloroethane	BDL	10.	ug/l	625	08/30/03	1
Indeno(1,2,3-cd)pyrene	BDL	10.	ug/l	625	08/30/03	1
Isophorone	BDL	10.	ug/l	625	08/30/03	1
Naphthalene	220	10.	ug/l	625	08/30/03	1
Nitrobenzene	BDL	10.	ug/l	625	08/30/03	1
n-Nitrosodimethylamine	BDL	10.	ug/l	625	08/30/03	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	625	08/30/03	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	625	08/30/03	1
Phenanthrene	BDL	10.	ug/l	625	08/30/03	1
Benzylbutyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Bis(2-ethylhexyl)phthalate	BDL	10.	ug/l	625	08/30/03	1
Di-n-butyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Diethyl phthalate	BDL	10.	ug/l	625	08/30/03	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
L125112-02 (SV625TIC) - No extra bottles, cannot be re-extracted/out of hold

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

September 02,2003

Date Received : August 22, 2003
Description : Maxton Mobil

ESC Sample # : L125112-02

Sample ID : TMW-2 9 FT

Site ID :

Project # : 03-EV0809-1

Collected By :
Collection Date : 08/21/03 08:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dimethyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Di-n-octyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Pyrene	BDL	10.	ug/l	625	08/30/03	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	625	08/30/03	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	625	08/30/03	1
2-Chlorophenol	BDL	10.	ug/l	625	08/30/03	1
2,4-Dichlorophenol	BDL	10.	ug/l	625	08/30/03	1
2,4-Dimethylphenol	13.	10.	ug/l	625	08/30/03	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	625	08/30/03	1
2,4-Dinitrophenol	BDL	10.	ug/l	625	08/30/03	1
2-Nitrophenol	BDL	10.	ug/l	625	08/30/03	1
4-Nitrophenol	BDL	10.	ug/l	625	08/30/03	1
Pentachlorophenol	BDL	10.	ug/l	625	08/30/03	1
Phenol	BDL	10.	ug/l	625	08/30/03	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	625	08/30/03	1
Surrogate Recovery						
Nitrobenzene-d5	32.		% Rec.	625	08/30/03	1
2-Fluorobiphenyl	0.0		% Rec.	625	08/30/03	1
p-Terphenyl-d14	52.		% Rec.	625	08/30/03	1
Phenol-d5	0.15		% Rec.	625	08/30/03	1
2-Fluorophenol	25.		% Rec.	625	08/30/03	1
2,4,6-Tribromophenol	50.		% Rec.	625	08/30/03	1

Cheli Boucher
Cheli Boucher, ESC Representative

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 09/02/03 20:08 Printed: 09/02/03 20:09
L125112-02 (SV625TIC) - No extra bottles, cannot be re-extracted/out of hold

ENVIRONMENTAL SCIENCE CORP.

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

September 02,2003

Date Received : August 22, 2003
Description : Maxton Mobil

Sample ID : TMW-3 9 FT

Collected By : T Ammons
Collection Date : 08/21/03 08:55

ESC Sample # : L125112-03

Site ID :

Project # : 03-EV0809-1

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	100	100	ug/l	601/602MS	08/23/03	100
Bromodichloromethane	BDL	100	ug/l	601/602MS	08/23/03	100
Bromoform	BDL	100	ug/l	601/602MS	08/23/03	100
Bromomethane	BDL	100	ug/l	601/602MS	08/23/03	100
Carbon Tetrachloride	BDL	100	ug/l	601/602MS	08/23/03	100
Chlorobenzene	BDL	100	ug/l	601/602MS	08/23/03	100
Chlorodibromomethane	BDL	100	ug/l	601/602MS	08/23/03	100
Chloroethane	BDL	100	ug/l	601/602MS	08/23/03	100
2-Chloroethyl vinyl ether	BDL	5000	ug/l	601/602MS	08/23/03	100
Chloroform	BDL	100	ug/l	601/602MS	08/23/03	100
Chloromethane	BDL	100	ug/l	601/602MS	08/23/03	100
1,2-Dibromoethane	BDL	100	ug/l	601/602MS	08/23/03	100
1,2-Dichlorobenzene	BDL	100	ug/l	601/602MS	08/23/03	100
1,3-Dichlorobenzene	BDL	100	ug/l	601/602MS	08/23/03	100
1,4-Dichlorobenzene	BDL	100	ug/l	601/602MS	08/23/03	100
Dichlorodifluoromethane	BDL	100	ug/l	601/602MS	08/23/03	100
1,1-Dichloroethane	BDL	100	ug/l	601/602MS	08/23/03	100
1,2-Dichloroethane	BDL	100	ug/l	601/602MS	08/23/03	100
1,1-Dichloroethene	BDL	100	ug/l	601/602MS	08/23/03	100
trans-1,2-Dichloroethene	BDL	100	ug/l	601/602MS	08/23/03	100
1,2-Dichloropropane	BDL	100	ug/l	601/602MS	08/23/03	100
cis-1,3-Dichloropropene	BDL	100	ug/l	601/602MS	08/23/03	100
trans-1,3-Dichloropropene	BDL	100	ug/l	601/602MS	08/23/03	100
Di-isopropyl ether	BDL	500	ug/l	601/602MS	08/23/03	100
Ethylbenzene	1700	100	ug/l	601/602MS	08/23/03	100
Methylene chloride	BDL	500	ug/l	601/602MS	08/23/03	100
Methyl tert-butyl ether	BDL	500	ug/l	601/602MS	08/23/03	100
1,1,2,2-Tetrachloroethane	BDL	100	ug/l	601/602MS	08/23/03	100
Tetrachloroethene	BDL	100	ug/l	601/602MS	08/23/03	100
1,1,1-Trichloroethane	BDL	100	ug/l	601/602MS	08/23/03	100
1,1,2-Trichloroethane	BDL	100	ug/l	601/602MS	08/23/03	100
Trichloroethene	BDL	100	ug/l	601/602MS	08/23/03	100
Trichlorofluoromethane	BDL	100	ug/l	601/602MS	08/23/03	100
Toluene	BDL	500	ug/l	601/602MS	08/23/03	100
Vinyl chloride	BDL	100	ug/l	601/602MS	08/23/03	100
o-Xylene	270	100	ug/l	601/602MS	08/23/03	100
m&p-Xylene	2000	100	ug/l	601/602MS	08/23/03	100

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01 KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

L125112-03 (SV625TIC) - No extra bottles, cannot be re-extracted/out of hold

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1-800-767-5859
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

September 02,2003

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

ESC Sample # : L125112-03

Date Received : August 22, 2003
Description : Maxton Mobil

Site ID :

Sample ID : TMW-3 9 FT

Project # : 03-EV0809-1

Collected By :
Collection Date : 08/21/03 08:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
625 Base/Neutrals w/ TIC						
Acenaphthene	BDL	10.	ug/l	625	08/30/03	1
Acenaphthylene	BDL	10.	ug/l	625	08/30/03	1
Anthracene	BDL	10.	ug/l	625	08/30/03	1
Benzidine	BDL	50.	ug/l	625	08/30/03	1
Benzo(a)anthracene	BDL	10.	ug/l	625	08/30/03	1
Benzo(b)fluoranthene	BDL	10.	ug/l	625	08/30/03	1
Benzo(k)fluoranthene	BDL	10.	ug/l	625	08/30/03	1
Benzo(g,h,i)perylene	BDL	10.	ug/l	625	08/30/03	1
Benzo(a)pyrene	BDL	10.	ug/l	625	08/30/03	1
Bis(2-chlorethoxy)methane	BDL	10.	ug/l	625	08/30/03	1
Bis(2-chloroethyl)ether	BDL	10.	ug/l	625	08/30/03	1
Bis(2-chloroisopropyl)ether	BDL	10.	ug/l	625	08/30/03	1
4-Bromophenyl-phenylether	BDL	10.	ug/l	625	08/30/03	1
2-Chloronaphthalene	BDL	10.	ug/l	625	08/30/03	1
4-Chlorophenyl-phenylether	BDL	10.	ug/l	625	08/30/03	1
Chrysene	BDL	10.	ug/l	625	08/30/03	1
Dibenz(a,h)anthracene	BDL	10.	ug/l	625	08/30/03	1
3,3-Dichlorobenzidine	BDL	10.	ug/l	625	08/30/03	1
2,4-Dinitrotoluene	BDL	10.	ug/l	625	08/30/03	1
2,6-Dinitrotoluene	BDL	10.	ug/l	625	08/30/03	1
Fluoranthene	BDL	10.	ug/l	625	08/30/03	1
Fluorene	BDL	10.	ug/l	625	08/30/03	1
Hexachlorobenzene	BDL	10.	ug/l	625	08/30/03	1
Hexachloro-1,3-butadiene	BDL	10.	ug/l	625	08/30/03	1
Hexachlorocyclopentadiene	BDL	10.	ug/l	625	08/30/03	1
Hexachloroethane	BDL	10.	ug/l	625	08/30/03	1
Indeno(1,2,3-cd)pyrene	BDL	10.	ug/l	625	08/30/03	1
Isophorone	BDL	10.	ug/l	625	08/30/03	1
Naphthalene	160	10.	ug/l	625	08/30/03	1
Nitrobenzene	BDL	10.	ug/l	625	08/30/03	1
n-Nitrosodimethylamine	BDL	10.	ug/l	625	08/30/03	1
n-Nitrosodiphenylamine	BDL	10.	ug/l	625	08/30/03	1
n-Nitrosodi-n-propylamine	BDL	10.	ug/l	625	08/30/03	1
Phenanthrene	BDL	10.	ug/l	625	08/30/03	1
Benzylbutyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Bis(2-ethylhexyl)phthalate	BDL	10.	ug/l	625	08/30/03	1
Di-n-butyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Diethyl phthalate	BDL	10.	ug/l	625	08/30/03	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
L125112-03 (SV625TIC) - No extra bottles, cannot be re-extracted/out of hold

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

September 02,2003

Date Received : August 22, 2003
Description : Maxton Mobil

ESC Sample # : L125112-03

Sample ID : TMW-3 9 FT

Site ID :

Project # : 03-EV0809-1

Collected By :
Collection Date : 08/21/03 08:55

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Dimethyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Di-n-octyl phthalate	BDL	10.	ug/l	625	08/30/03	1
Pyrene	BDL	10.	ug/l	625	08/30/03	1
1,2,4-Trichlorobenzene	BDL	10.	ug/l	625	08/30/03	1
Acid Extractables						
4-Chloro-3-methylphenol	BDL	10.	ug/l	625	08/30/03	1
2-Chlorophenol	BDL	10.	ug/l	625	08/30/03	1
2,4-Dichlorophenol	BDL	10.	ug/l	625	08/30/03	1
2,4-Dimethylphenol	BDL	10.	ug/l	625	08/30/03	1
4,6-Dinitro-2-methylphenol	BDL	10.	ug/l	625	08/30/03	1
2,4-Dinitrophenol	BDL	10.	ug/l	625	08/30/03	1
2-Nitrophenol	BDL	10.	ug/l	625	08/30/03	1
4-Nitrophenol	BDL	10.	ug/l	625	08/30/03	1
Pentachlorophenol	BDL	10.	ug/l	625	08/30/03	1
Phenol	BDL	10.	ug/l	625	08/30/03	1
2,4,6-Trichlorophenol	BDL	10.	ug/l	625	08/30/03	1
Surrogate Recovery						
Nitrobenzene-d5	40.		% Rec.	625	08/30/03	1
2-Fluorobiphenyl	49.		% Rec.	625	08/30/03	1
p-Terphenyl-d14	57.		% Rec.	625	08/30/03	1
Phenol-d5	20.		% Rec.	625	08/30/03	1
2-Fluorophenol	18.		% Rec.	625	08/30/03	1
2,4,6-Tribromophenol	55.		% Rec.	625	08/30/03	1

Cheli Boucher, ESC Representative

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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Reported: 09/02/03 20:08 Printed: 09/02/03 20:09
L125112-03 (SV625TIC) - No extra bottles, cannot be re-extracted/out of hold

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. David Brown
EHC, Inc.
PO Box 902
Red Springs, NC 28377

September 02,2003

Date Received : August 22, 2003
Description : Maxton Mobil

Sample ID : SB-1 4 FT

Collected By : T Ammons
Collection Date : 08/20/03 11:00

ESC Sample # : L125112-04

Site ID :

Project # : 03-EV0809-1

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.7		%	2540G	08/28/03	1
TPH (GC/FID) Low Fraction	35.	5.9	mg/kg	5030	08/27/03	50
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene	95.		% Rec.	5030	08/27/03	50
TPH (GC/FID) High Fraction	300	4.7	mg/kg	DRO	08/29/03	1
Surrogate Recovery (50-150) o-Terphenyl	80.		% Rec.	DRO	08/29/03	1

Cheli Boucher

Cheli Boucher, ESC Representative

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)

Laboratory Certification Numbers:
A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:
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Reported: 09/02/03 20:08 Printed: 09/02/03 20:09

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L125112-01	2-Chloroethyl vinyl ether	J4
	Acenaphthene	J4J3
	Acenaphthylene	J4J3
	Bis(2-chlorethoxy)methane	J4J3
	Bis(2-chloroethyl)ether	J4J3
	Bis(2-chloroisopropyl)ether	J4J3
	4-Bromophenyl-phenylether	J4
	2-Chloronaphthalene	J4J3
	4-Chlorophenyl-phenylether	J4J3
	2,6-Dinitrotoluene	J4J3
	Fluorene	J4J3
	Hexachlorobenzene	J4
	Hexachloro-1,3-butadiene	J4J3
	Hexachlorocyclopentadiene	J3
	Hexachloroethane	J4J3
	Isophorone	J4J3
	Naphthalene	J4J3
	Nitrobenzene	J4J3
	n-Nitrosodi-n-propylamine	J4J3
	Phenanthrene	J4
	Dimethyl phthalate	J4J3
	1,2,4-Trichlorobenzene	J4J3
	4-Chloro-3-methylphenol	J4J3
	2-Chlorophenol	J4
	2,4-Dichlorophenol	J4J3
	2,4-Dimethylphenol	J4J3
	2-Nitrophenol	J4J3
	Phenol	J3
	2,4,6-Trichlorophenol	J3
	2-Fluorobiphenyl	J2
	2-Fluorophenol	J2
	2,4,6-Tribromophenol	J2
L125112-02	Bromomethane	J4
	Acenaphthene	J4J3
	Acenaphthylene	J4J3
	Bis(2-chlorethoxy)methane	J4J3
	Bis(2-chloroethyl)ether	J4J3
	Bis(2-chloroisopropyl)ether	J4J3
	4-Bromophenyl-phenylether	J4
	2-Chloronaphthalene	J4J3
	4-Chlorophenyl-phenylether	J4J3
	2,6-Dinitrotoluene	J4J3
	Fluorene	J4J3
	Hexachlorobenzene	J4
	Hexachloro-1,3-butadiene	J4J3
	Hexachlorocyclopentadiene	J3
	Hexachloroethane	J4J3
	Isophorone	J4J3
	Naphthalene	J4J3E
	Nitrobenzene	J4J3
	n-Nitrosodi-n-propylamine	J4J3
	Phenanthrene	J4
	Dimethyl phthalate	J4J3
	1,2,4-Trichlorobenzene	J4J3
	4-Chloro-3-methylphenol	J4J3
	2-Chlorophenol	J4
	2,4-Dichlorophenol	J4J3
	2,4-Dimethylphenol	J4J3
	2-Nitrophenol	J4J3
	Phenol	J3
	2,4,6-Trichlorophenol	J3
	Nitrobenzene-d5	J2
	2-Fluorobiphenyl	J2
	Phenol-d5	J2
	2-Fluorophenol	J2
	2,4,6-Tribromophenol	J2
L125112-03	Bromomethane	J4
	Acenaphthene	J4J3
	Acenaphthylene	J4J3

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
	Bis(2-chlorethoxy)methane	J4J3
	Bis(2-chloroethyl)ether	J4J3
	Bis(2-chloroisopropyl)ether	J4J3
	4-Bromophenyl-phenylether	J4
	2-Chloronaphthalene	J4J3
	4-Chlorophenyl-phenylether	J4J3
	2,6-Dinitrotoluene	J4J3
	Fluorene	J4J3
	Hexachlorobenzene	J4
	Hexachloro-1,3-butadiene	J4J3
	Hexachlorocyclopentadiene	J3
	Hexachloroethane	J4J3
	Isophorone	J4J3
	Naphthalene	J4J3E
	Nitrobenzene	J4J3
	n-Nitrosodi-n-propylamine	J4J3
	Phenanthrene	J4
	Dimethyl phthalate	J4J3
	1,2,4-Trichlorobenzene	J4J3
	4-Chloro-3-methylphenol	J4J3
	2-Chlorophenol	J4
	2,4-Dichlorophenol	J4J3
	2,4-Dimethylphenol	J4J3
	2-Nitrophenol	J4J3
	Phenol	J3
	2,4,6-Trichlorophenol	J3
	Nitrobenzene-d5	J2
	2-Fluorophenol	J2

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

	Control Limits				
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane	72-125
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	79-120
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	66-131

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122

Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode: ENVHYD (lab use only)
Template/Prelogin:
Shipped Via:

...any Name/Address:
...HC, Inc.

...O Box 902
...ed Springs.NC 28377

Alternate billing information:

...to:

Email to:

...t ...ption: Maxton Mobil

City/Sate Collected

...: (910) 843-4456
(910) 843-5376

Client Project #: 03-EV0809-1

ESC Key:

...ted by: TAmmons

Site/Facility ID#:

P.O.#:

...ted by (signature):

on ice N Y

Rush? (Lab MUST Be Notified)
___ Same Day.....200%
per CB ✓ Next Day.....100%
___ Two Day.....50%

Date Results Needed: 8-20-03
Email? ___No X Yes
FAX? X No ___Yes

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	EPA Method 5030/3550	EPA Method 601	EPA Method 602/MTBE	EPA Method 625 plus TIC's					Remarks/Contaminant	Sample # (lab only)
SB-1	Grab	SS	4'	8-20-03	11:00	1	X									L125112-04
TMW-1	↓	GW	9'	8-21-03	8:30	5		X	X	X						-01
TMW-2	↓	↓	↓	↓	8:45	5		X	X	X						-02
TMW-3	↓	↓	↓	↓	8:55	5		X	X	X						-03

...trix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____

...marks: SB-1 received 8/26/03 @ 0900 1 Yes 3.8°C -JH

Flow _____ Other _____

...ished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ ____		Condition: (lab use only)
[signature]	8/21/03	1201	[signature]			
...ished by: (Si[redacted]	Date:	Time:	Received by: (Signature)	Temp: 3.6°	Bottles Received: 15	
...shed by: (Si[redacted])	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	pH Checked: NCF: X

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No.: L125112

Date: 8/22/03

Evaluated by: Jeremy

Client: ENVELVD

Non-Conformance (check applicable items)

____	Chain of Custody is missing	X	Login Clarification Needed
____	Improper container type	____	Improper preservation
____	Chain of custody is incomplete	____	Container lid not in tact
____	Parameter(s) past holding time	____	Improper temperature
____	Broken container(s) see below	____	Broken container: sufficient sample volume remains for analysis requested

____ Insufficient packing material around container

____ Insufficient packing material inside cooler

____ Improper handling by carrier (FedEx / UPS / Courier)

____ Sample was frozen

Comments: We did not receive a sample For SB-1
When are results needed?

Login Instructions:

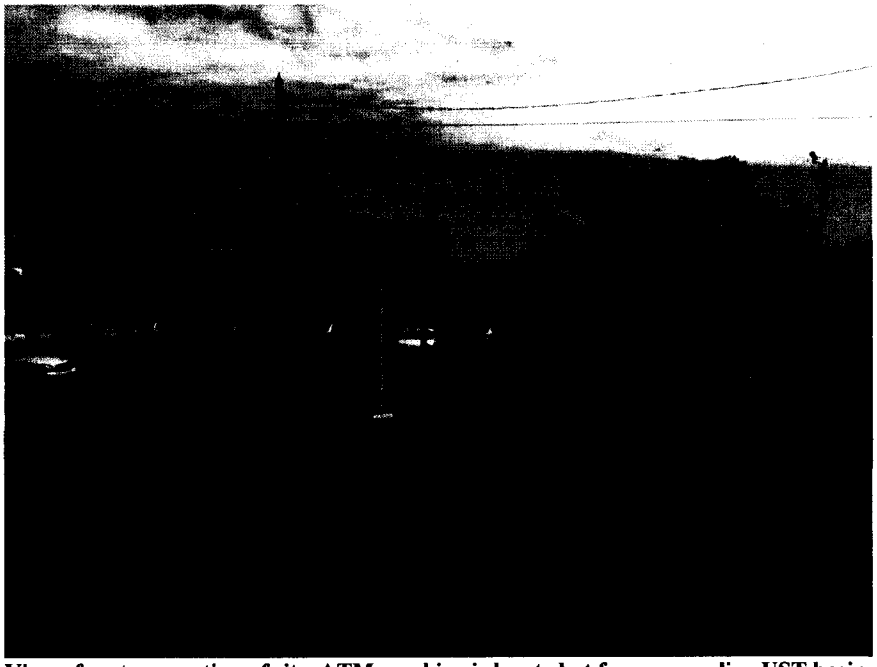
TSR Initials: CL

Client informed by (call) email / fax / voice mail date: 8/25/03 time: 0900 8/22 LVM

Client contact: Thomas Ammons

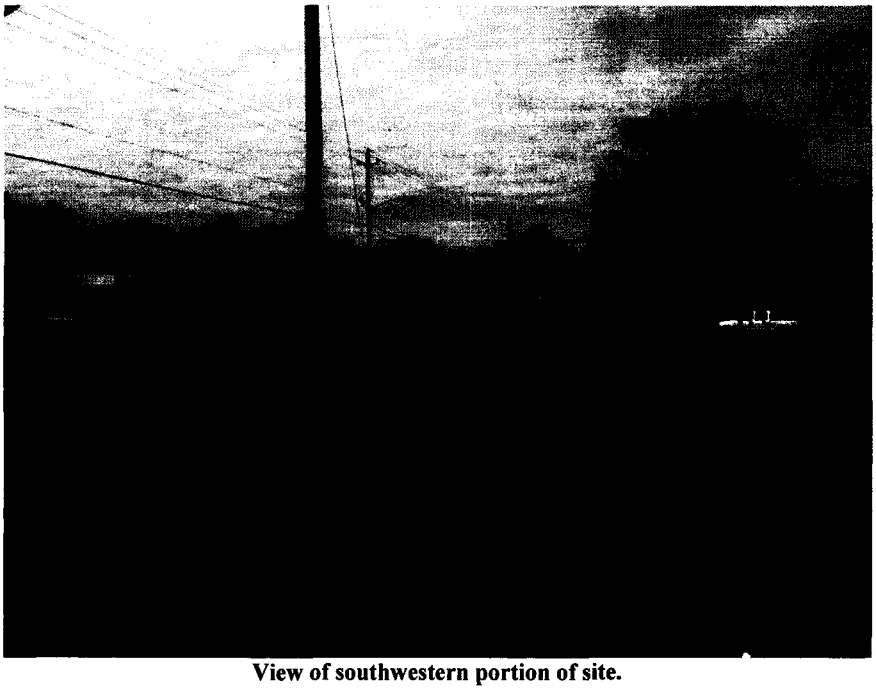
Client to send for receipt 8/26/03
Change to STD 4 day TAT

View of northwest portion of site. Lumbee Guaranty Bank branch in background.



View of eastern portion of site. ATM machine is located at former gasoline UST basin. Note monitoring well MW-2 in foreground (former fuel dispenser island).

View of Geoprobe® drill rig advancing soil borings prior to monitoring well installation.



View of southwestern portion of site.
Note 55-gallon drum used to containerize drilling derived waste.

Water-Supply Well Questionnaire Distribution List								
PIN	Map Number	Owner Name (Last Name First Name)	Owner Address	Owner City	Owner State	Owner Zip	Physical Street Address	PIN
839549306800	330501009	HAILEY WILLIE JR	12660 HOLLY LANE	MAXTON	NC	28364	102 FLORENCE ST	839549306800
839549410600	330501008	HAILEY WILLIE JR	201 MARTIN LUTHER KING DR	MAXTON	NC	28364	203 MARTIN LUTHER KING	839549410600
839548574800	330602030	JONES CLIFTON	108 W BALDWIN STREET	MAXTON	NC	28364	108 BALDWIN ST	839548574800
839549600700	330602026	COOPER ROBERT C /PATRICIA	12780 HWY 501 S	LAURINBURG	NC	28352	MARTIN LUTHER KING DR	839549600700
839549629400	330602016	METHODIST EPISCOPAL CHURCH		MAXTON		0	55 MARTIN LUTHER KING HWY	839549629400
839549705000	330602025	DROSE PROPERTIES, LLC	P O BOX 126	SAINT PAULS	NC	28384-0126	MARTIN LUTHER KING DR	839549705000
839548862700	330602033	DIXON JERRY H SR & WF	402 N PATTERSON ST	MAXTON	NC	28364	109 S PATTERSON ST	839548862700
839548998400	330602023	SMITH ROBERT BUCK & WIFE	P O BOX 452	ROWLAND	NC	28383	MARTIN LUTHER KING BLVD	839548998400
839559211500	330602050	BRYANT RYAN & WF	110 N PATTERSON ST	MAXTON	NC	28364	110 N PATTERSON ST	839559211500
839559213900	330602051	CHESTNUT DOFFLIN F & WF LOTTIE	114 N PATTERSON ST	MAXTON	NC	28364	114 PATTERSON ST	839559213900
839559303300	330602046	CURRIE A H HEIRS	1415 E CANAL ST	TARBORO	NC	27886	MARTIN LUTHER KING BLVD	839559303300
839559611000	330602063	COLLINS ROBERT & WF	P O BOX 561	MAXTON	NC	28364-0561	CENTRAL ST	839559611000
839549857200	330602002	SERVICE TRADING COMPANY INC	P O BOX 157	PEMBROKE	NC	28372	CENTRAL ST	839549857200
839559005700	33060202101	LUMBEE GUARANTY BANK INC	PO BOX 908	PEMBROKE	NC	28372	N PATTERSON ST	839559005700
839559029300	33060201401	ESSEY BROTHERS REALTY	P O BOX 725	LAURINBURG	NC	28353	113 N PATTERSON ST	839559029300
839559022900	330602013	ESSEY BROTHERS REALTY	P O BOX 725	LAURINBURG	NC	28353	117 N PATTERSON ST	839559022900
839558293800	330602066	HESTER DAVIS S & WF	122 BEST DR	LUMBERTON	NC	28358	MARTIN LUTHER KING BLVD	839558293800
839558154300	330602036	PATTERSON WESSIE E LF EST	403 LOMBARD ST	MAXTON	NC	28364	135 PATTERSON ST	839558154300
839559228200	330602053	GRAHAM CLINTON	95-02 SUTPHIN BOULEVARD	JAMAICA	NY	11435	PATTERSON ST	839559228200
839559336200	330602058	QUAISON DELIA	P O BOX 491	MAXTON	NC	28364	104 E CENTRAL ST	839559336200
839559316500	330602061	HUSSEIN AMRAN SALEH	207 MIDDLE ST	MAXTON	NC	28364	MIDDLE ST	839559316500
839559525000	330602062	SERVICE TRADING COMPANY INC	P O BOX 157	PEMBROKE	NC	28372	MIDDLE ST	839559525000
839559148300	330602006	GRAHAM CLINTON	95-02 SUTPHIN BOULEVARD	JAMAICA	NY	11435	146 N PATTERSON ST	839559148300
839559149600	33060200501	TOWN OF MAXTON	P O BOX 99	MAXTON	NC	28364	N PATTERSON ST	839559149600
839548485200	330602029	YARBOROUGH WILLIAM H/WF SONJA	P O BOX 143	MAXTON	NC	28364	135 FLORENCE ST	839548485200
839559029600	330602014	GRAHAM CLINTON	95-02 SUTPHIN BOULEVARD	JAMAICA	NY	11435	128 N PATTERSON ST	839559029600
839559107600	330602049	HESTER DAVIS S & WF	122 BEST DR	LUMBERTON	NC	28358	PATTERSON ST	839559107600
839559228600	330602054	PROMOTE MAXTON INC	600 ATKINSON ST	LAURINBURG	NC	28352	120 PATTERSON ST	839559228600
839559530700	330602068	THE TOWN OF MAXTON	P O BOX 99	MAXTON	NC	28364	CENTRAL ST	839559530700
839549457400	330501005	TOWN OF MAXTON	P O BOX 99	MAXTON	NC	28364	FLORENCE ST	839549457400
839548595600	330602027	MASONIC LODGE 643		MAXTON	NC	0	103 FLORENCE ST	839548595600
839549817700	330602017	LUMBEE GUARANTY BANK	PO BOX 908	PEMBROKE	NC	28372	MARTIN LUTHER KING BLVD	839549817700
839549930300	330602003	TT&T SERVICES, INC.	126 N MAIN ST	RAEFORD	NC	28376	CHURCH PL	839549930300
839548959900	33060203601	MCLEAN MARGARET PATTERSON	1248 MOUNT MORIAH CH RD	MAXTON	NC	28364		839548959900
839559014600	33060201902	ESSEY ALBERT J	2200 ELM AVE	LAURINBURG	NC	28352	107 N PATTERSON ST	839559014600
839559135600	330602009	GRAHAM CLINTON	95-02 SUTPHIN BOULEVARD	JAMAICA	NY	11435	125 N PATTERSON ST	839559135600
839559146100	330602007	GRAHAM CLINTON	95-02 SUTPHIN BOULEVARD	JAMAICA	NY	11435	144 N PATTERSON ST	839559146100
839558049500	330602035	ESSEY BROTHERS REALTY CO	P O BOX 725	LAURINBURG	NC	28353	PATTERSON ST	839558049500
839559239000	330602055	TOWN OF MAXTON	P O BOX 99	MAXTON	NC	28364	116 PATTERSON ST	839559239000
839559422500	330602059	GRAHAM CLINTON	95-02 SUTPHIN BOULEVARD	JAMAICA	NY	11435	122 N PATTERSON ST	839559422500
839549757600	330602001	FIRST BAPTIST CHURCH OF	107 FLORENCE STREET	MAXTON	NC	28364	CENTRAL ST	839549757600
839548582900	330602028	MOSER JOHN FRANK	7005 LESTER ST SW	OCEAN ISLE BEACH	NC	28469	105 FLORENCE ST	839548582900
839548883400	330602034	DROSE PROPERTIES,LLC.	PO BOX 126	MAXTON	NC	28384-0126	104 S PATTERSON ST	839548883400
839549946700	330602004	FIRST BANK	P O BOX 508	TROY	NC	27371	CENTRAL ST	839549946700
839559015000	330602021	TOWN OF MAXTON	P O BOX 99	MAXTON	NC	28364	N PATTERSON ST	839559015000
839559012400	330602020	ESSEY BROTHERS REALTY	P O BOX 725	LAURINBURG	NC	28353	N PATTERSON ST	839559012400
839559015900	33060201901	ESSEY LOUIS	P O BOX 725	LAURINBURG	NC	28353	N PATTERSON ST	839559015900
839559026100	330602019	ESSEY ALBERT JONN	2200 ELM AVE	LAURINBURG	NC	28352	111 N PATTERSON ST	839559026100
839559039600	330602010	LOCKLEAR HENRY & WF	1823 SNAKE RD	LUMBERTON	NC	28358	123 N PATTERSON ST	839559039600
839558295600	330602048	WRIGHT JOHN JR & WF BRENDA	PO BOX 731	MAXTON	NC	28364	MARTIN LUTHER KING BLVD	839558295600
839558299500	330602047	HESTER DAVIS S & WF	122 BEST DR	LUMBERTON	NC	28358	MARTIN LUTHER KING BLVD	839558299500
839558179800	330602038	TRASON MAXTON LLC	PO BOX 901	DEERFIELD	IL	60015-0901	PATTERSON ST	839558179800
839558378000	330602041	HAILEY WILLIE JR & WF	201 MARTIN LUTHER KING DR	MAXTON	NC	28364	136 MARTIN LUTHER KING DR	839558378000
839558499500	330602044	COLLINS W H	4201 RED HILL ROAD	MAXTON	NC	28364	MIDDLE ST	839558499500

PIN	Map Number	Owner Name (Last Name First Name)	Owner Address	Owner City	Owner State	Owner Zip	Phy Street Address	PIN
839558682900	330602043	LEACH JAMES	1010 SALEM ST	LAURINBURG	NC	28352	MARTIN LUTHER KING	839558682900
839549436800	33050100701	MCARTHUR HUGH CHARLES	706 MCCASKILL ST	MAXTON	NC	28364	MARTIN LUTHER KING JR. DR	839549436800
839559227000	330602052	CHESTNUT CHRISTOPHER F & WF	116 N PATTERSON ST	MAXTON	NC	28364	PATTERSON ST	839559227000
839559320800	330602060	HENSLEY SARA MCCALL	604 MCCASKILL ST	MAXTON	NC	28364	122 PATTERSON ST	839559320800
839558584400	33060204301	SMITH WILLIAM B ET ALS	1305 CEDARHURST DRIVE	SANFORD	NC	27332	.	839558584400
839558468000	330602042	WILLIFORD RUBY G	PO BOX 143	MAXTON	NC	28364	MARTIN LUTHER KING BLVD	839558468000
839548675500	330602032	DIXON JERRY H & DIANNE	402 N PATTERSON ST	MAXTON	NC	28364	106 BALDWIN ST	839548675500
839559000600	330602022	LUMBEE GUARANTY BANK INC	PO BOX 908	PEMBROKE	NC	28372	MARTIN LUTHER KING BLVD	839559000600
839559048500	330602005	PENARANDA NC HOLDINGS, LLC	5820 HARBORAGE DR	FORT MYERS	FL	33908-4549	CENTRAL ST	839559048500
839559037200	330602012	GRAHAM CLINTON	95-02 SUTPHIN BOULEVARD	JAMAICA	NY	11439	132 N PATTERSON ST	839559037200
839559331400	330602057	TOWN OF MAXTON	P O BOX 99	MAXTON	NC	28364	N PATTERSON ST	839559331400
839558482900	330602045	MCARTHUR HUGH CHARLES	706 MCCASKILL AVE	MAXTON	NC	28364	.	839558482900
839549744000	330602015	METHODIST EPISCOPAL CHURCH		MAXTON	NC	0	N FLORENCE ST	839549744000
839548899800	330602024	SMITH ROBERT & WF MARGARET	P O BOX 452	LAURINBURG	NC	28383	MARTIN LUTHER KING BLVD	839548899800
839559038400	330602011	NEW CENTURY BANK	P O BOX 1330	LUMBERTON	NC	28359	138 N PATTERSON ST	839559038400
839559136900	330602008	SEIBERT CHARLEEN JOSEPH	22641 HOYLE CIRCLE	MAXTON	NC	28364	142 N PATTERSON ST	839559136900
839559201300	330602065	HESTER DAVID S	122 BEST DR	LUMBERTON	NC	28358	PATTERSON ST	839559201300
839558372300	330602040	HAILEY WILLIE JR & WF	201 MARTIN LUTHER KING DR	MAXTON	NC	28364	136 MARTIN LUTHER KING DR	839558372300

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: PATTERSON WESSIE E LF EST
Tax ID of property receiving survey: 839558154300 or Property Address: 135 PATTERSON ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? (Yes) No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well Loenetta P. Cain
403 Lombard St. Maxton NC 28364

How many water supply wells are on your property? One

What is the well(s) used for? (check all that apply) **Drinking** ____, **Irrigation** ✓, **Swimming Pool** ____, **Water Livestock** ____, **Other (specify)** ____, **You do not use the Well** ____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: YARBOROUGH WILLIAM H/WF SONJA
Tax ID of property receiving survey: 839548485200 or Property Address: 135 FLORENCE ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes / No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
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If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: WILLIFORD RUBY G
Tax ID of property receiving survey: 839558468000 or Property Address: MARTIN LUTHER KING BLVD
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes / No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: SERVICE TRADING COMPANY INC
Tax ID of property receiving survey: 839559525000 or Property Address: MIDDLE ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? Yes / No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking** _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____, **You do not use the Well** _____

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: SERVICE TRADING COMPANY INC
Tax ID of property receiving survey: 839549857200 or Property Address: CENTRAL ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes / No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking** _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____, **You do not use the Well** _____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative).
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: MOSER JOHN FRANK
Tax ID of property receiving survey: 839548582900 or Property Address: 105 FLORENCE ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes / No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)

Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: HAILEY WILLIE JR & WF

Tax ID of property receiving survey: 839558372300 or Property Address: 136 MARTIN LUTHER KING DR

City: Maxton County: Robeson

What is the source of your drinking water? (**Public Water**) **Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes** / (**No**) If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking** _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____, **You do not use the Well** _____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)

Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: HAILEY WILLIE JR
Tax ID of property receiving survey: 839549410600 or Property Address: 203 MARTIN LUTHER KING
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes** / (No) If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: HAILEY WILLIE JR & WF
Tax ID of property receiving survey: 839558378000 or Property Address: 136 MARTIN LUTHER KING DR
City: Maxton County: Robeson

What is the source of your drinking water? (**Public Water**) **Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes** (**No**) If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking** _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____, **You do not use the Well** _____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
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This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: HAILEY WILLIE JR
Tax ID of property receiving survey: 839549306800 or Property Address: 102 FLORENCE ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? Yes / No If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
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This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: DROSE PROPERTIES,LLC.
Tax ID of property receiving survey: 839548883400 or Property Address: 104 S PATTERSON ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Public Water

Is there a water supply well on this property, including one that is no longer in use? **Yes** (**No**) If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

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3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: DROSE PROPERTIES, LLC
Tax ID of property receiving survey: 839549705000 or Property Address: MARTIN LUTHER KING DR
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Other - no water

Is there a water supply well on this property, including one that is no longer in use? **Yes** (**No**) If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

Attn. John Lair

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: QUAISON DELIA
Tax ID of property receiving survey: 839559336200 or Property Address: 104 E CENTRAL ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes** (No) If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well
Delia Quaison 84 Virnells Rd Maxton, NC 28364

How many water supply wells are on your property?
What is the well(s) used for? (check all that apply) **Drinking ____, Irrigation ____, Swimming Pool ____, Water Livestock ____, Other (specify) ____, You do not use the Well ____.**
How many residences are connected to the well (list addresses below)?

N/A

How deep is the well(s)? Date well was installed?
What is the casing depth of the well(s)?
What is the screen interval of the well(s)?

Additional water supply well information:

N/A

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: DIXON JERRY H SR & WF
Tax ID of property receiving survey: 839548862700 or Property Address: 109 S PATTERSON ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water** / **Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? Yes / **No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking** _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____, **You do not use the Well** _____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: DIXON JERRY H & DIANNE
Tax ID of property receiving survey: 839548675500 or Property Address: 106 BALDWIN ST
City: Maxton County: Robeson

What is the source of your drinking water? (**Public Water**) **Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes** (**No**) If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking** _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____, **You do not use the Well** _____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

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3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: PROMOTE MAXTON INC
Tax ID of property receiving survey: 839559228600 or Property Address: 120 PATTERSON ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water** / **Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes** / **No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking** _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____, **You do not use the Well** _____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
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3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: SMITH ROBERT BUCK & WIFE
Tax ID of property receiving survey: 839548998400 or Property Address: MARTIN LUTHER KING BLVD
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)** Do not have drinking water at this location.

Is there a water supply well on this property, including one that is no longer in use? Yes (No) If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking** _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____, **You do not use the Well** _____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
Please return completed survey to **Progress Environmental, Inc.** by **March 1, 2011** using one of the following methods:

1. Fax to	John Lair (336) 722-9998
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4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: WRIGHT JOHN JR & WF BRENDA
Tax ID of property receiving survey: 839558295600 or Property Address: MARTIN LUTHER KING BLVD
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water** / **Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes** / **No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
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3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

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This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: HESTER DAVIS S & WF
Tax ID of property receiving survey: 839559107600 or Property Address: PATTERSON ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes / No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
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3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

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This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: HESTER DAVIS S & WF
Tax ID of property receiving survey: 839558299500 or Property Address: MARTIN LUTHER KING BLVD
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes / No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
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This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: HESTER DAVID S
Tax ID of property receiving survey: 839559201300 or Property Address: PATTERSON ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes / No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
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1. Fax to	John Lair (336) 722-9998
2. Mail to	Progress Environmental, Inc., 767 South Kerr Avenue, Wilmington, NC 28403
3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

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This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: HESTER DAVIS S & WF
Tax ID of property receiving survey: 839558293800 or Property Address: MARTIN LUTHER KING BLVD
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)**

Is there a water supply well on this property, including one that is no longer in use? **Yes / No** If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking _____, Irrigation _____, Swimming Pool _____, Water Livestock _____, Other (specify) _____, You do not use the Well _____.**

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
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3. Telephone	(910) 399-4437
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If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

This line to be completed by Responsible Party or their representative)
Incident Number: 29187 **Incident Name: Former Maxton Mobil**

Please Provide the Following Information (to the best of your knowledge)

Name and telephone number of person completing the survey: TRASON MAXTON LLC Walgreen #13960
Tax ID of property receiving survey: 839558179800 or Property Address: PATTERSON ST
City: Maxton County: Robeson

What is the source of your drinking water? **Public Water / Water Supply Well / Stream Intake / Other (please explain below)** Public Water

Is there a water supply well on this property, including one that is no longer in use? **Yes** (**No**) If "No" disregard remaining questions and return survey

Name and address of owner(s) of property with water supply well

How many water supply wells are on your property?

What is the well(s) used for? (check all that apply) **Drinking** _____, **Irrigation** _____, **Swimming Pool** _____, **Water Livestock** _____, **Other (specify)** _____, **You do not use the Well** _____.

How many residences are connected to the well (list addresses below)?

How deep is the well(s)? Date well was installed?

What is the casing depth of the well(s)?

What is the screen interval of the well(s)?

Additional water supply well information:

(This part to be completed by Responsible Party or their representative)
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3. Telephone	(910) 399-4437
4. E-mail to	jlair@progressenvironmental.com

If you have any questions, please contact the consultant indicated above or Ms. Candy Elliott at the North Carolina UST Section Office at (919) 715-2012. Thank you.

NORTH CAROLINA
UNDERGROUND STORAGE TANK SECTION
RISK, RANK AND ABATEMENT RATING FORM

Incident Name:	Maxton Well 1	Region:	Fayetteville		
Incident Number:	29407	County:	Robeson	**SCORE**	**L-155-A**
Date:	6/21/2016	Ranking Performed by:	KEC		

Note: a new ranking form must be completed whenever site conditions may have changed

SECTION I. Risk Classification (Check all that apply)

No source on site and no RP was ever determined

No compounds exceed 15A NCAC 2L

1. High Risk

A. An existing water supply well, including one used for non-drinking purposes, has been contaminated by the release;

B. A water supply well used for drinking water is located within 1,000 feet of the source area of a confirmed release;

C. A water supply well not used for drinking water is located within 250 feet of the source area of a confirmed release;

D. The groundwater within 500 feet of the source area of a confirmed release has the potential for future use in that there is no source of water supply other than the groundwater;

E. There exists a serious threat of explosion due to the accumulation of vapors in a confined space, as a result of the release; or

F. There exists an imminent danger to public health, public safety or the environment, as a result of the release.

2. Intermediate Risk

A. Surface water is located within 500 feet of the source area of a confirmed release and the maximum groundwater contaminant concentration exceeds the applicable surface water quality standard and criteria found in 15A NCAC 2B .0200 by a factor of 10;

B. In the Coastal Plain Physiographic Province (as designated on a map entitled Geologic Map of North Carolina published by the Department in 1985), the source area of a confirmed release is located where there is recharge to an unconfined or semi-confined deeper aquifer which the Department determines is being used or may be used as a source of drinking water;

C. The source area of a confirmed release is located within a designated wellhead protection area, as defined in 42 USC 300h-7(e);

D. The levels of groundwater contamination for any contaminant (except ethylene dibromide, benzene and the aliphatic and aromatic carbon fraction classes) exceed 50 percent of the solubility of the contaminant at 25 degrees Celsius or 1,000 times the groundwater quality standard or interim standard established in 15A NCAC 2L .0202, whichever is lower (these levels have been termed "gross contamination levels"); or

E. The levels of groundwater contamination for ethylene dibromide or benzene exceed 1,000 times the federal drinking water standard set out in 40 CFR 141(these levels have also been termed "gross contamination levels").

3. Low Risk

A. A low risk classification means that the risk posed by a release does not meet any of the high or intermediate risk criteria or, based on site-specific information received by the Department, the release does not pose a significant risk. **L**

SECTION I. Risk Classification **Low**

SECTION II. Release Ranking (Assign points as applicable)

1. EMERGENCY HAZARD ASSESSMENT

POINTS

An emergency situation exists whenever the Department determines that the release poses an imminent danger to public health, public safety, or the environment.

EMERGENCY

Complete entire form and assign letter E to final rating in Section III, Once Emergency is abated a new rating must be performed

2. EXPOSURE ASSESSMENT

Groundwater

A. Impacted Water Supplies

Public Supply Wells (each well can only be counted once)

1. Public or institutional water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 600 points per well

Private Supply Wells (each well can only be counted once)

2. Private domestic drinking water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 200 points per well

3. Private well, not used for drinking, containing contamination in detectable concentrations; award 75 points per well

Public or Private Wells Below 2L .0202 Standards (each well can only be counted once)

4. Public or private drinking water supply contains substances that are below the 15A NCAC 2L groundwater quality standards; award 100 points per well

B. Threat to Uncontaminated Drinking Water Supplies

Public Supply Wells *(each well can only be counted once)*

1. Public or institutional water supply well within 500 ft of plume edge, plume edge is within radius of influence of public well, or threat currently unknown; award 40 points per well

2. Public or institutional water supply well between 500 and 1000 ft of plume edge or threat is reasonably known; award 10 points per well **10**

Private Supply Wells *(each well can only be counted once)*

3. Private water supply, including non-drinking well, located within 250 feet of plume edge, wells threatened or the threat is currently unknown; award 20 points per well

4. Private water supply, not including non-drinking well, located between 251 and 500 feet of the plume edge, wells threatened or the threat is currently unknown; award 10 points per well

5. Private water supply, not including non-drinking well, located between 501 and 1000 feet of plume edge or wells located within 1000 feet but threat to wells is reasonably known or alternate water source is available; award 5 points per well

6. Private non-drinking well, located between 251 and 1000 feet of plume edge; award 2 points per well

Surface Water

1. Violation of Class HQW,ORW,WS-l, WS-II or SA surface water quality standards as a result of groundwater discharge; award 10 points

2. Free product or sheen discovered on surface waters as a result of groundwater discharge; award 5 points

Soil

A Land Use — Choose required soil clean-up level then apply points only if soil contamination exceeds requirement

No Risk Data	Soil to GW	Residential	Industrial/Commercial
☑	☐	☐	☐

1. Maximum soil contaminant concentration exceeds "Soil to Groundwater" but below "Residential" exposure concentration; award 5 points total

OR

2. Maximum soil contaminant concentration exceeds "Residential" but is below the "Industrial/Commercial" exposure concentration; award 10 points total

OR

3. Maximum soil contaminant concentration exceeds the "Industrial/Commercial" exposure concentration or no risk-based data available; award 15 points total — **15**

Air

A. Vapor Phase Exposure

1. Contaminant vapors detected in inhabitable building(s), but levels are below 20% of the lower explosive limit and health concern levels; award 20 points total

2. Contaminant vapors detected in other confined areas (uninhabitable buildings, sewer lines, utility vaults, etc.) but levels are below 20% of the lower explosive limit; award 5 points total

3. HYDROGEOLOGY AND LITHOLOGY

A. Bedrock - contamination is located in, on or within five feet of bedrock; award 20 points

B. Vertical Contaminant Migration -Literature or well logs indicate that no confining layer is present above bedrock or within twenty feet of land surface; award 10 points

C. Horizontal Contaminant Migration -Data or observations indicate that no discharge points or aquifer discontinuities exist between the discharge, release or known extent of contamination and the nearest down gradient drinking water supply; award 5 points total — **5**

4. ENVIRONMENTAL VULNERABILITY ASSESSMENT

Contamination Concentrations

A. Existing Groundwater Quality -The worst case monitor or supply well, **assign only one**

1. At less than 10 times the 2L groundwater standards; award 5 points — **5**

OR

2. Between 10 and l00 times the 2L groundwater standards; award 20 points

OR

3. Greater than 100 times the 2L groundwater standards; award 40 points

OR

4. Free Product; award 80 points

Contaminant Types

A. Predominant Contamination Type

1. Low boiling point petroleum products (gasoline, aviation fuel); award 20 points — **20**

2. High boiling point petroleum products (fuel oil, kerosene, diesel fuel or similar products); award 0 points

SECTION II. Release Ranking — 55

SECTION III. Source Abatement Assignment (Award Points and Assign Letter)

A. Abated or Unabated Contaminant Source

1. Emergency Situation, Assign Letter **E** (from Section II.1.)

OR

2. UST remains in active use and continues to discharge into the environment; Award 100 points and assign Letter **A** *****No source was identified***** **100**

OR

3. UST release has been abated. However, contaminated soil continues to release product or contaminants into the environment; Award 50 points and assign Letter **D**

OR

4. UST release has been abated. Contaminated soil has been removed or remediated; Award 0 points and assign Letter **R**

SECTION III. Source Abatement Assignment **155**

SECTION IV. Risk, Rank and Abatement Score

Total: Risk, Rank and Abatement Score **L155A**

(Insert risk letter from Section I, total all points from Section II and III, and insert abatement letter from Section III) **(e.g H750D)**

Upon completion transfer final score to box on page 1.

Geological Resources, Inc.

August 4, 2022

Mr. Ken Currie
NCDEQ-UST Section
Fayetteville Regional Office
Systel Building
225 Green Street, Suite 714
Fayetteville, NC 28301-5043

Re: Ground Water Monitoring Report
July 2022
Community Stop #2
150 West Martin Luther King Drive
Maxton, Robeson County
North Carolina
Facility ID Number: 0-00-0000018540
Incident Number: 29451
GRI Project Number: 2532

Dear Mr. Currie,

Please find attached the referenced for the above mentioned site.

If you have any questions, please contact William Regenthal at 704-845-4010.

Sincerely,
Geological Resources, Inc.

Johanna Moats
AP/AR Coordinator

Enclosure

Cc: Ms. Anne Braswell, Cooper Petroleum, Inc., file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

Geological Resources, Inc.

Ground Water Monitoring Report
July 2022
Community Stop #2
150 West Martin Luther King Drive
Maxton, Robeson County
North Carolina
Facility ID Number: 00-0-0000018540
Incident Number: 29451
GRI Project Number: 2532

Prepared for:

Ms. Anne Braswell
Estate of Robert C. Cooper
14147 Hickory Oaks Lane
Ashland, Virginia 23005

August 4, 2022

William Regenthal, P.G.
Project Manager

Ethan Rogerson, GIT
Report Writer

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

SITE INFORMATION

1. Site Identification

- Community Stop #2 (Facility ID 00-0-0000018540)
- Incident Number 29451 – Intermediate Risk (I170A)
- Location of Source Area: 150 West Martin Luther King Drive
  Maxton, NC 28364
  Robeson County
  34.7361104°N, 79.3512063°W (Topographical Map)

2. **Information about Contacts Associated with the Leaking UST System**

UST Owner
Cooper Petroleum, Inc.
14147 Hickory Oaks Lane
Ashland, VA 23005
annebraswell@msn.com
919-475-4765

Property Owner
Nic's Properties, Inc.
P.O. Box 1206
Laurinburg, NC 28353
nicspickwik@yahoo.com
919-997-3101

Consultant/Contractor
Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110
wlr@geologicalresourcesinc.com
704-845-4010

UST Operator
Cooper Petroleum, Inc.
14147 Hickory Oaks Lane
Ashland, VA 23005
annebraswell@msn.com
919-475-4765

Property Occupant
Nic's Pic Kwik, Inc.
P.O. Box 1206
Laurinburg, NC 28353
nicspickwik@yahoo.com
919-997-3101

Analytical Laboratory
Waypoint Analytical
449 Springbrook Road
Charlotte, NC 28217
State Certification No. 37735/402
704-529-6364

3. Information about Release

- Release was discovered on April 25, 2007
- An unknown amount of product was released from a leaking gasoline product line associated with the leaking UST System
- Two 12,000-gallon gasoline, one 10,000-gallon gasoline, one 10,000-gallon diesel and one 10,000-gallon kerosene USTs and associated pumps and product piping are active at the site

EXECUTIVE SUMMARY

Community Stop #2 is located at 150 West Martin Luther King Drive in Maxton, Robeson County, North Carolina. Cooper Petroleum, Inc. sold the property and business to Nic's Pic Kwik, Inc. in 2016 and the site is operated by Nic's Pic Kwik, Inc. as a petroleum retail facility and convenience store (Nic's Pic Kwik #16). A Site Check was directed by NCDEQ following a compliance inspection at the site in 2007. The Site Check identified that a release had occurred from the UST system. The source of the reported release was suspected to be the gasoline product lines. To date a total of sixteen Type II monitoring wells (MW-1 through MW-16) and one Type III monitoring well (TW-1) have been installed at the site followed by semi-annual ground water sampling events. Currently, two 12,000-gallon gasoline, one 10,000-gallon gasoline, one 10,000-gallon diesel and one 10,000-gallon kerosene USTs are active at the site. The site is currently ranked as intermediate risk due to the past presence of contaminant concentrations that have exceeded the GCLs.

On July 5, 2022, ground water samples were collected from MW-1, MW-2, MW-3, MW-8 and MW-16. Concentrations of individual BTEX constituents, MTBE, naphthalene, TAA, ethanol, n-butylbenzene, isopropylbenzene, n-propylbenzene, styrene, 1,2,4-trimethylbenzene and/or 1,3,5-trimethylbenzene that exceeded the MACs were reported in the ground water samples collected from MW-1, MW-2, MW-3, MW-8 and MW-16. All of the reported contaminant concentrations were less than the GCLs.

Contaminant mass at this site has decreased by 49% since the May 2011 baseline assessment.

Based on this information, the AFVR event conducted in March 2022 was effective. The site is intermediate risk and has had two consecutive sampling events have no reported GCLs. A ground water sample from MW-2 should be collected October 2022 to confirm the July 2022 results. If contaminant concentrations remain less than the GCLs, then the site risk classification should be re-evaluated.

ACRONYMS

ACM: Asbestos Containing Materials

AFVR: Aggressive Fluid-Vapor Recovery

ARR: Acknowledgement of Report Receipt

AS: Air Sparging

AST: Aboveground Storage Tank

ASTM: American Society for Testing and Materials

BGS: Below Ground Surface

CAP: Corrective Action Plan

CFR: Code of Federal Regulations

CSA: Comprehensive Site Assessment

DPE: Dual Phase Extraction

DRO: Total Petroleum Hydrocarbons Diesel Range Organics

DWM: Division of Waste Management

DWR: Department of Water Resources

EPA: Environmental Protection Agency

EPH: Extractible Petroleum Hydrocarbons

ESA: Environmental Site Assessment

GCL: Gross Contamination Level

GRI: Geological Resources, Inc.

GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

LSA: Limited Site Assessment

MAC: Maximum Allowable Concentration as specified in T15A NCAC 2L.0202

MADEP: Massachusetts Department of Environmental Protection

MCC: Maximum Contaminant Concentrations

MMPE: Mobile Multi-Phase Extraction

NAPL: Non-Aqueous Phase Liquid, "Free Product"

NCDEQ: North Carolina Department of Environmental Quality

NCDOT: North Carolina Department of Transportation

NFA: Notice of No Further Action

NORR: Notice of Regulatory Requirements

NOV: Notice of Violation

NPDES: National Pollutant Discharge Elimination System

NRP: Notice of Residual Petroleum

O&M: Operation and Maintenance

PAHs: Polynuclear Aromatic Hydrocarbons

PCA: Pre-Construction Assessment

RAL: Regulatory Action Level

SCLs: Soil Cleanup Level

SPCC: Spill Prevention Control and Countermeasures

SVE: Soil Vapor Extraction

SVOCs: Semi-Volatile Organic Compounds

SWPPP: Stormwater Pollution Prevention Plan

TCLP: Toxicity Characteristic Leaching Procedure (EPA Method SW-846 1311)

TOC: Top of Casing

TPH: Total Petroleum Hydrocarbons

USGS: United States Geological Survey

UST: Underground Storage Tank

UVF: Ultraviolet Fluorescence

VOCs: Volatile Organic Compounds

VPH: Volatile Petroleum Hydrocarbons

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Appendix A: State Correspondence
Appendix B: Laboratory Report – Ground Water Samples
Appendix C: Contaminant Mass Calculations

1.0 SITE HISTORY AND CHARACTERIZATION

GRI presents the results of the July 2022 ground water sampling event at the Community Stop #2 site; located at 150 West Martin Luther King Drive in Maxton, Robeson County, North Carolina (**Figure 1**). These activities were conducted in accordance with GRI Proposal No. 22-418, which was submitted to NCDEQ on June 16, 2022, and approved as Task Authorization No. 29451-18 on June 20, 2022. State correspondence has been included as **Appendix A**.

Cooper Petroleum, Inc. sold the property and business to Nic's Pic Kwik, Inc. in 2016. Nic's Pic Kwik, Inc. operates the site as a petroleum retail facility and convenience store. The Estate of Robert Cooper remains the responsible party for the incident. According to the June 21, 2011, CSA report, a release was discovered at the site on April 25, 2007, following a site check. The source of the reported release was suspected to be the gasoline product lines. Two 12,000-gallon gasoline, one 10,000-gallon gasoline, one 10,000-gallon diesel and one 10,000-gallon kerosene USTs are presently active at the site. UST owner/operator information and UST system information are included as **Tables 1** and **2**, respectively. The Registered Tank Report is shown below:

NCDEQ Registered Tank Report

Facility Id	00-0-0000018540	Tank Owner	NIC'S PIC KWIK, INC.
Facility Name	NICS PIC KWIK #16	Address	PO BOX 1206
Address	150A W MARTIN LUTHER KING JR DR	City	LAURINBURG
City	MAXTON	State	NC
State	NC	Zip	28353-1206
County	Robeson		
Zip	28364		
Longitude	-79.35096		
Latitude	34.73605		

Tank Information

Tank Id	Product Name	Capacity	Installation Date	Perm Close Date	Tank Construction	Piping Construction	OverFill Protection	Spill Protection	Tank Statu
1	Gasoline, Gas Mix	12000	5/7/1980		Single Wall Steel	Single Wall Flex	Auto Shutoff Device	Catchment Basin	Current
2	Gasoline, Gas Mix	12000	5/7/1980		Single Wall Steel	Single Wall Flex	Auto Shutoff Device	Catchment Basin	Current
3	Gasoline, Gas Mix	10000	5/7/1980		Single Wall Steel	Single Wall Flex	Auto Shutoff Device	Catchment Basin	Current
4	Kerosene, Kero Mix	10000	5/7/1980		Single Wall Steel	Single Wall Flex	Auto Shutoff Device	Catchment Basin	Current
5	Diesel	10000	5/7/1980		Single Wall Steel	Single Wall Flex	Auto Shutoff Device	Catchment Basin	Current

The site and surrounding area are a mixture of single family residential and commercial properties. The site contains two buildings (the store and a car wash) and is primarily capped with concrete and asphalt. No surface water bodies were identified within a 500-foot radius of the site. Prior to this phase or work, a total of sixteen Type II monitoring wells (MW-1 through MW-16) and one Type III monitoring well (TW-1) have been installed at the site during previous ground water assessment activities. A Site Map showing the locations of the monitoring wells and the structures on-site has been included as **Figure 2**.

On May 11, 2011, GRI personnel conducted an updated receptor survey at the site. Two non-potable wells (WSW-1 and WSW-3) used for irrigation only are located approximately 463 feet south and 470 feet south of the source area, respectively. In addition, one municipal supply well (WSW-2) is located approximately 1,184 feet north-northwest of the site. According to the Town of Maxton Water Department, WSW-2 has been taken offline and is no longer a source of potable water to the community.

Municipal water is available to the site and surrounding properties. Water Supply Well information is presented in **Table 3**. Adjacent property owner information is presented in **Table 4**. A Site Vicinity Map showing the adjacent properties and water supply well locations has been included as **Figure 3**.

A CAP has not been completed and no projected milestones have been established for the site.

2.0 PRESENTATION OF CURRENT SITE ASSESSMENT INFORMATION/ COMPARISON TO HISTORICAL ASSESSMENT INFORMATION

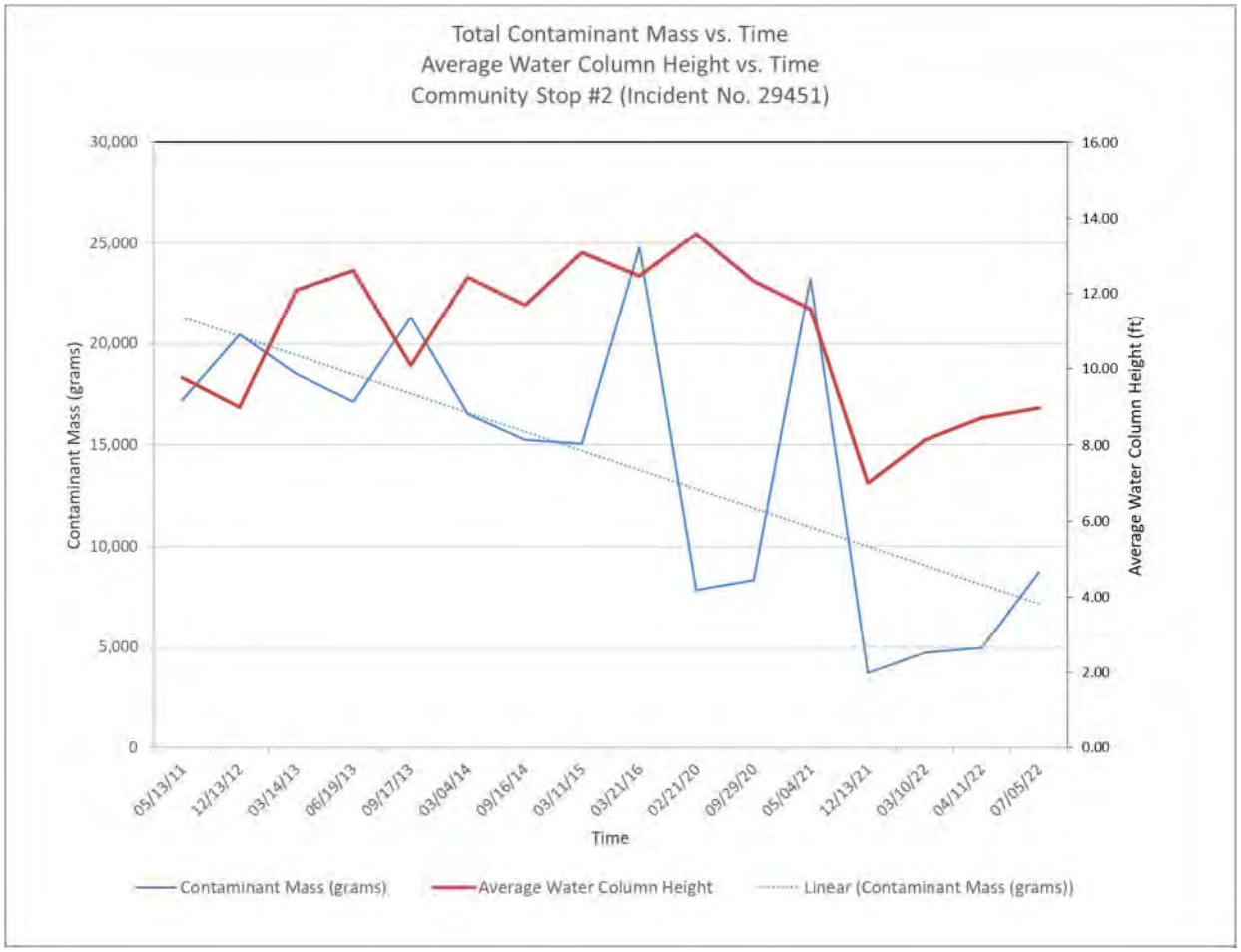
On July 5, 2022, five Type II monitoring wells (MW-1, MW-2, MW-3, MW-8 and MW-16) were gauged, purged and sampled per NCDEQ guidelines. No measurable free product was observed during the July 2022 gauging event. Depths to ground water in the Type II monitoring wells ranged from 7.45 to 9.31 feet below the tops of well casings. Relative ground water elevations in the Type II monitoring wells ranged from 90.96 feet to 92.31 feet. Ground water flow was generally towards the southwest with a hydraulic gradient of 0.02 feet per foot. The vertical gradient was not calculated during the July 2022 gauging event. Well construction and gauging information is presented in **Table 5**. A summary of the current ground water gauging data is shown below:

Well ID	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation (ft.)	Depth to Water from Top of Casing (feet)	Free Product Thickness (ft.)	Ground Water Elevation (ft.)
MW-1	5 - 20	20	100.00	8.44	---	91.56
MW-2	6 - 16	16	99.86	7.86	---	92.00
MW-3	6 - 16	16	100.27	9.31	---	90.96
MW-8	5 - 15	15	98.81	7.66	---	91.15
MW-16	2 - 22	22	99.76	7.45	---	92.31

Ground water samples collected from the monitoring wells were submitted for laboratory analyses of VOCs and oxygenates using EPA Method 6200B. Concentrations of individual BTEX constituents, MTBE, naphthalene, TAA, ethanol, n-butylbenzene, isopropylbenzene, n-propylbenzene, styrene, 1,2,4-trimethylbenzene and/or 1,3,5-trimethylbenzene that exceeded the MACs were reported in the ground water samples collected from MW-1, MW-2, MW-3, MW-8 and MW-16. All of the reported contaminant concentrations were less than the GCLs. A summary of the analytical results for ground water samples collected on July 5, 2022, is presented in **Table 6**. A Ground Water Quality Map based on the July 2022 data is included as **Figure 5**. A complete report of laboratory analyses of the ground water samples collected from the monitoring wells during the sampling event has been included as **Appendix B**. A summary of the current ground water analytical data is following:

Contaminant of Concern → / Well ID	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MACs (mg/l)	**1**	**600**	**600**	**500**	**20**	**6**
GCL (mg/l)	***5,000***	***260,000***	***84,500***	***85,500***	***20,000***	***6,000***
MW-1	**389**	105	**1,560**	**1,050**	<1.40	**998**
MW-2	**4,760**	**8,530**	**4,190**	**19,100**	<14.0	**1,970**
MW-3	**19.3**	18.7	28.6	34.9	<0.140	**37.9**
MW-8	**538**	**4,780**	**860**	**5,290**	<0.140	**190**
MW-16	**2,640**	**4,400**	**1,040**	**4,540**	**217**	**468**

Previously, the contaminant plume was divided into three areas (Areas 1 through 3) based on the benzene concentrations during the May 2011 ground water sampling event. Historically the contaminant mass in Areas 1 and 2 had been decreasing since May 2011. The contaminant mass in Area 3 had been increasing since May 2011. As a total, the total contaminant mass at the site had increased by 35% since May 2011 based on the May 2021 sampling event. Due to the introduction of a new monitoring well within the contaminant mass area, the contaminant mass for the December 2021 event would be skewed higher and is not reflective of past events. Contaminant mass in Area 1 (where MW-2 and MW-16 are located) decreased by 29.1% since the completion of the April 2022 sampling event. Contaminant mass at this site has decreased by 49% since the May 2011 baseline assessment. Additionally, Area 1 should remain as the focus of the contaminant mass evaluation for the site and Areas 2 and 3 should be removed from consideration. The historical contaminant mass calculations have been included as **Appendix C**. A map of the contaminant mass areas has also been included as **Figure 5**. A chart depicting the overall trend in contaminant mass from May 2011 to July 2022 is shown below:



The surficial aquifer at the site overlies the Black Creek confining unit and the underlying Black Creek Formation. The cretaceous Black Creek Formation is a deep Coastal Plain aquifer and the source of water for the Town of Maxton and other communities in the region. The Black Creek Formation is composed of

interbedded very fine to fine lignitic, glauconitic and shelly sand and clay. Locally, the Black Creek confining unit is approximately 30 feet thick. The water table has a seasonal high depth to water of approximately 2.57 to 11 feet BGS.

3.0 FREE PRODUCT REMOVAL

Historically no measurable free product has been present at the site. One AVFR event was conducted at the site in March 2022.

4.0 PROPOSED REMEDIAL ACTION

The Community Stop #2 incident is currently ranked intermediate risk due to the past presence of benzene concentrations that exceeded the GCL. The AFVR event conducted in March 2022 appears to have been effective; MW-2 and MW-16 have had two consecutive sampling events with benzene concentrations below GCLs. If contaminant concentrations remain less than the GCLs, then the site risk classification can be re-evaluated without implementing a CAP. Since a CAP has not been developed for this incident, no natural attenuation monitoring plan is currently in place at the site.

5.0 CONCLUSIONS

- On July 5, 2022, five Type II monitoring wells were gauged, purged and sampled. Ground water flow was generally toward the southwest with a hydraulic gradient of approximately 0.02 feet per foot. The vertical gradient was not calculated during the July 2022 gauging event.
- Concentrations of individual BTEX constituents, MTBE, naphthalene, TAA, ethanol, n-butylbenzene, isopropylbenzene, n-propylbenzene, styrene, 1,2,4-trimethylbenzene and/or 1,3,5-trimethylbenzene that exceeded the MACs were reported in the ground water samples collected from MW-1, MW-2, MW-3, MW-8 and MW-16. All of the reported contaminant concentrations were less than the GCLs.
- Contaminant mass at this site has decreased by 49% since the May 2011 baseline assessment
- Based on this information, the AFVR event conducted in March 2022 was effective. The site is intermediate risk and has had two consecutive sampling events with concentrations less than the GCLs. A ground water sample should be collected from MW-2 in October 2022 to confirm the July 2022 results. If contaminant concentrations remain less than the GCLs, then the site risk classification should be lowered.

6.0 LIMITATIONS

This report has been prepared for the exclusive use of the Estate of Robert C. Cooper for specific application to the referenced site in Robeson County, North Carolina. The assessment was conducted based on the scope of work and level of effort desired by NCDEQ and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of environmental practices in the State of North Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data that are presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. In addition, the data obtained from samples would

be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from these data.

7.0 STATEMENTS AND CERTIFICATION

1	**Enter the date the monitoring report was due. NA Will this report be submitted after the established due date?**	YES	**NO**
2	**Was any required information from the above template missing from this report?**	YES	**NO**
	IF the answer to question #1 or# 2 is "YES", please provide additional information in this cell to explain what was missing and why.		
3	**If applicable, will any of the proposed attenuation milestones under the schedule approved in the Corrective Action Plan not be met?** *(within a reasonable margin of error)*	YES	NO
	IF the answer to question #3 is "NO", skip to the certification under #8 below. IF the answer to question #3 is "YES", please generally describe in this cell the possible reason(s) and outline proposed remedies. (This should be described in more detail in the report text above.) N/A		
4	**Does any known or suspected source zone soil contamination or free product remain outside of the assessed area that could be inhibiting natural attenuation?**	YES	**NO**
5	**Has there been an unexpected increase in contaminant mass sufficient to suggest a potential new release from a separate onsite or offsite source?**	YES	**NO**
	IF the answer to either question #4 or #5 is "YES", generally describe in this cell any actions recommended to further assess or clean up this known or suspected source. (This should be described in more detail in the report text above.)		
6	**Certification:** I, William Regenthal, a Licensed Geologist for Geological Resources, Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge. Geological Resources, Inc. is licensed to practice engineering and geology in North Carolina. The certification number of the company or corporation is C-2727/C-127.		

FIGURES

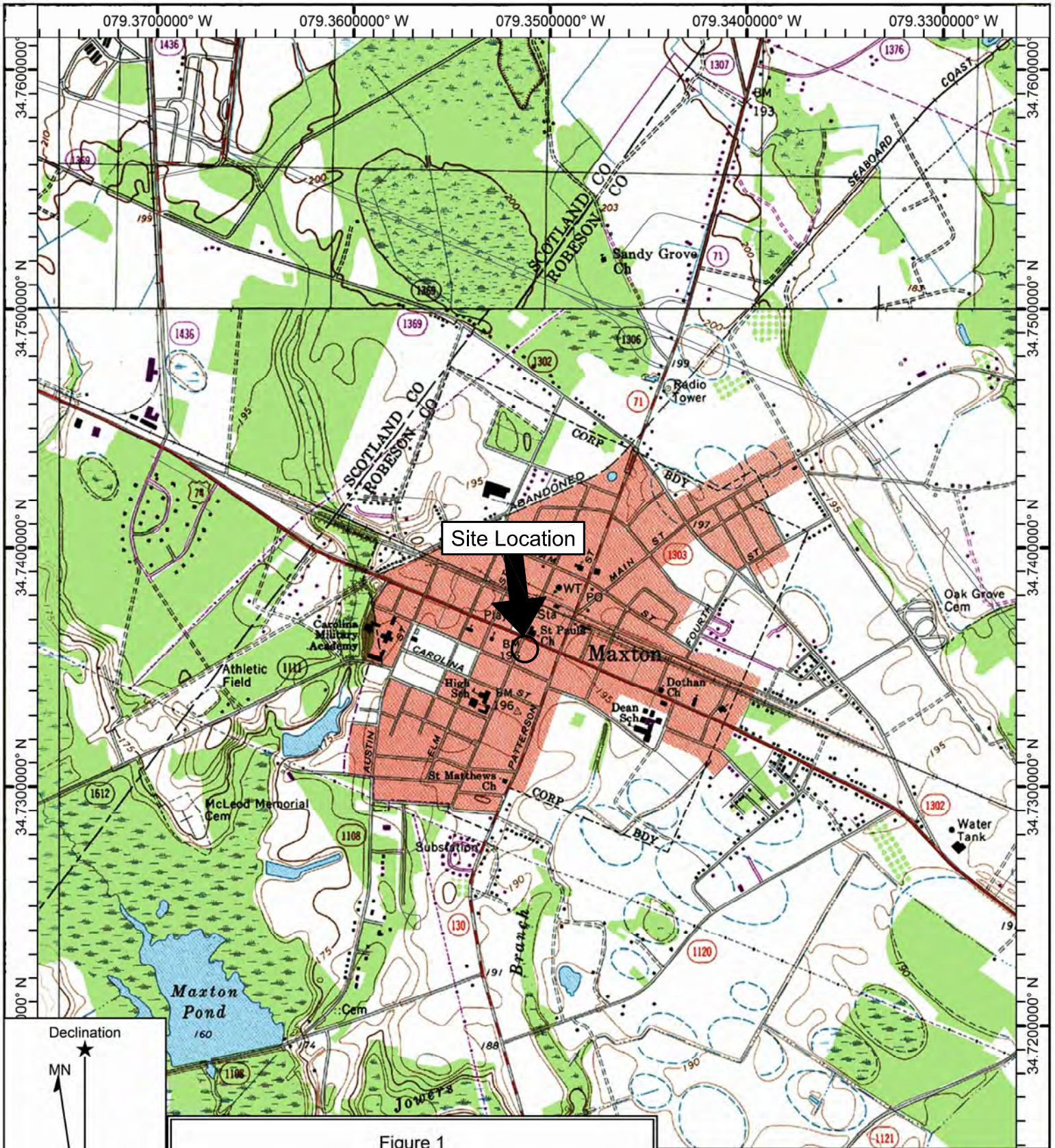


Figure 1
Community Stop #2
150 Martin Luther King, Jr. Boulevard
Maxton, North Carolina
Incident No. 29451
GRI Project No. 2532

Name: Site Location Map
Date: 03/29/16
Scale: 1 inch = 2,000 ft.

Map Center Location: 034.7361104° N 079.3512063° W

Generated by Geological Resources, Inc.

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- LIGHT POLE
- POWER POLE
- SIGN
- FENCE
- PRODUCT LINE
- PROPERTY LINE
- DE — ELECTRIC LINE (OVERHEAD)
- UE — ELECTRIC LINE (UNDERGROUND)
- G — NATURAL GAS LINE
- SS — SANITARY SEWER LINE
- W — WATER LINE

Geological Resources, Inc.

0 30 60 120

(IN FEET)
1 inch = 60 ft

SITE MAP

Community Stop #2
Incident No. 29451
GRI Project No. 2532

150 West Martin Luther King, Jr. Drive
Maxton, North Carolina
Robeson County

Date:	01/15/2022	Drawn by:	DTH	Figure:	2

NOTE:
Based on Robeson County, NC GIS website

FIGURE 3: SITE VICINITY MAP
COMMUNITY STOP #2
150 W. MARTIN LUTHER KING JR. DRIVE
MAXTON, ROBESON COUNTY
NORTH CAROLINA
INCIDENT NO. 29451
GRI No. 2532

PREPARED BY
GEOLOGICAL RESOURCES, INC.
OCTOBER 15, 2007
REVISED: JUNE 17, 2011

Geological Resources, Inc.

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- LIGHT POLE
- POWER POLE
- SIGN
- FENCE
- PRODUCT LINE
- PROPERTY LINE
- DE — ELECTRIC LINE (OVERHEAD)
- UE — ELECTRIC LINE (UNDERGROUND)
- G — NATURAL GAS LINE
- SS — SANITARY SEWER LINE
- W — WATER LINE
- 89.0 — WATER TABLE SURFACE CONTOUR
- (95.04) — GROUND WATER ELEVATION (FT.)
- (NM) — NOT MEASURED

Geological Resources, Inc.

0 30 60 120

(IN FEET)
1 inch = 60 ft

WATER TABLE SURFACE MAP (07/05/2022)

Community Stop #2
Incident No. 29451
GRI Project No. 2532

150 West Martin Luther King, Jr. Drive
Maxton, North Carolina
Robeson County

Date:	07/21/2022	Drawn by:	DTH	Figure:	4

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- LIGHT POLE
- POWER POLE
- SIGN
- PROPERTY LINE
- PRODUCT LINE

Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
Well ID	Date Collected						
MAC (mg/l)		1	600	600	500	20	6
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*
MW-1	07/21/22	**389**	105	**1,560**	**1,050**	<1.40	**998**
MW-2	07/05/22	**4,760**	**8,530**	**4,190**	**19,100**	<14.0	**1,970**
MW-3	07/05/22	**19.3**	18.7	28.6	34.9	<0.140	**37.9**
MW-8	07/05/22	**538**	**4,780**	**860**	**5,290**	<0.140	**190**
MW-16	07/05/22	**2,640**	**4,400**	**1,040**	**4,540**	**217**	**468**

Geological Resources, Inc.

0 30 60 120

(IN FEET)
1 inch = 60 ft

GROUND WATER QUALITY MAP (07/05/22) & (07/21/22)

Community Stop #2
Incident No. 29451
GRI Project No. 2532

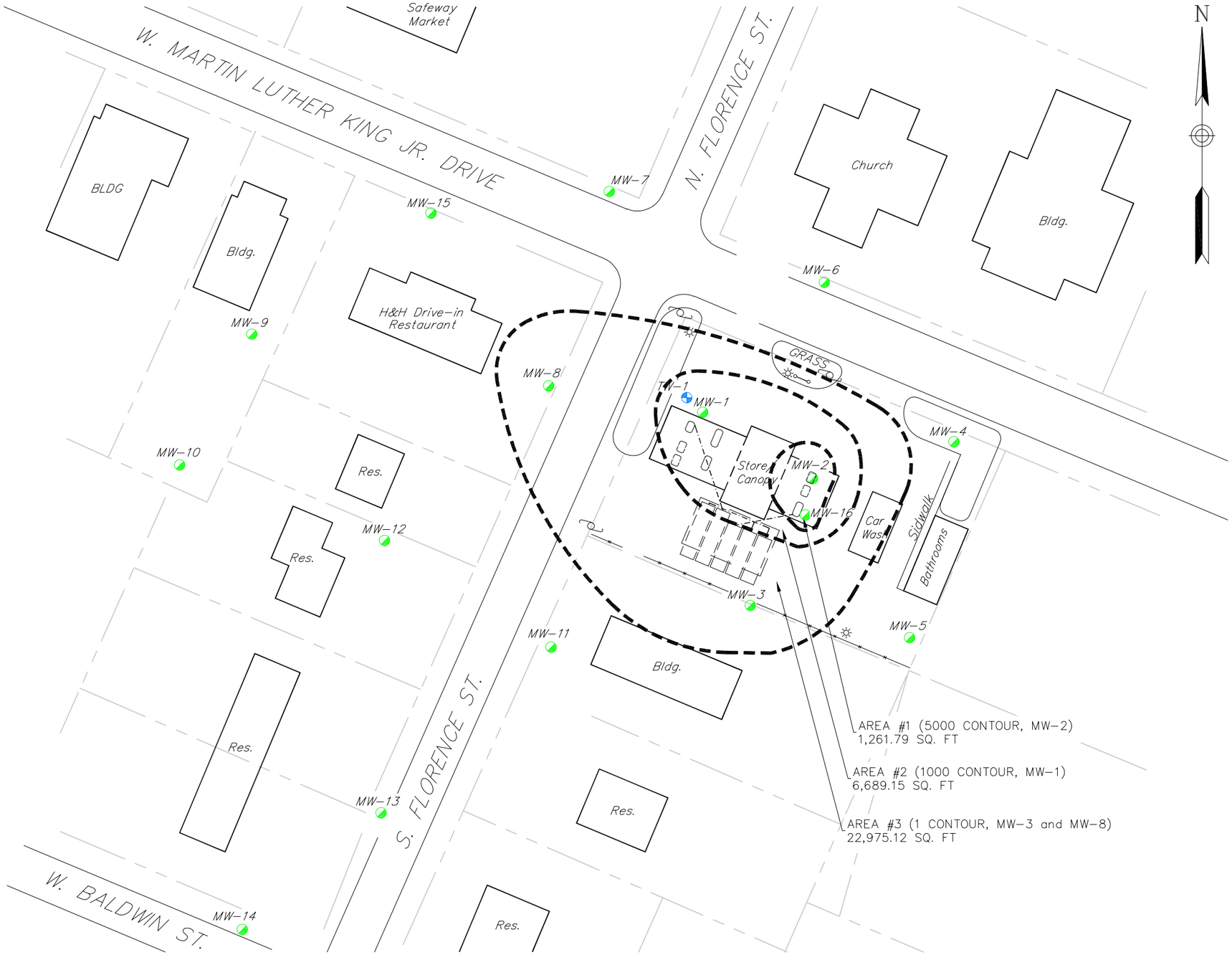
150 West Martin Luther King, Jr. Drive
Maxton, Robeson County,
NC

Date: 07/21/2022 | Drawn by: DTH | Figure: 5

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- LIGHT POLE
- POWER POLE
- SIGN
- PROPERTY LINE
- PRODUCT LINE

Note:
CONTAMINANT MASS AREAS ARE BASED ON THE BENZENE CONCENTRATIONS IN GROUND WATER



Geological Resources, Inc.

0 30 60 120

(IN FEET)
1 inch = 60 ft

ESTIMATED CONTAMINANT MASS AREA MAP (BASIS (05/13/11) DATA)

Community Stop #2
Incident No. 29451
GRI Project No. 2532

150 West Martin Luther King, Jr. Drive
Maxton, Robeson County,
NC

Date:	03/19/2020	Drawn by:	DTH	Figure:	6

TABLES

TABLE 1
UST OWNER/OPERATOR INFORMATION
COMMUNITY STOP #2 (INCIDENT NO. 29451)

UST ID Number	1 - 5	**Facility ID Number**	00-0-0000018540
Name of Owner or Operator		**Dates of Ownership / Operation**	**Owner or Operator?**
Nic's Pic Kwik, Inc.		12/28/2016 to present	Owner/Operator
Address			**Telephone Number**
P.O. Box 1206, Laurinburg, North Carolina 28353			(910) 997-3101

UST ID Number	1 - 5	**Facility ID Number**	00-0-0000018540
Name of Owner or Operator		**Dates of Ownership / Operation**	**Owner or Operator?**
Cooper Petroleum, Inc.		05/07/1980 to 12/28/2016	Owner/Operator
Address			**Telephone Number**
12780 Highway 501 South, Laurinburg, North Carolina 28352			(910) 276-7474

TABLE 2
UST SYSTEM INFORMATION
COMMUNITY STOP #2 (INCIDENT NO. 29451)

Date: 03/05/2020 **Facility ID # :** 00-0-0000018540

UST ID No.	Current or Most Recent Contents	Previous Contents	Capacity (gallons)	Date Installed (mm/dd/yy)	Construction Details	Tank Dimensions	Description of Associated Product Piping and Pumps	Status of UST	Was Release Associated with UST System? (Yes / No)
1	Gasoline	Gasoline	12,000	07/05/80	Steel	8' x 31.9'	Steel Piping	Active	Yes
2	Gasoline	Gasoline	12,000	07/05/80	Steel	8' x 31.9'	Steel Piping	Active	Yes
3	Gasoline	Gasoline	10,000	07/05/80	Steel	8' x 26.6'	Steel Piping	Active	Yes
4	Kerosene	Kerosene	10,000	07/05/80	Steel	8' x 26.6'	Steel Piping	Active	Yes
5	Diesel	Diesel	10,000	07/05/80	Steel	8' x 26.6'	Steel Piping	Active	Yes

TABLE 3
WATER SUPPLY WELL INFORMATION
COMMUNITY STOP #2 (INCIDENT NO. 29451)

Date : 03/20/2020 **Facility ID # :** 00-0-0000018540

Well #	Tax Parcel Number	Well Owner/ User	Physical Address	Owner Address	Phone Number	Well Use	Well Depth (ft BGS)	Type of Well	Well Casing Depth (ft. BGS)	Well Screen Interval (x to y ft. BGS)	Distance from source area of release (ft.)
WSW-1	8395-4855-6700	Edith S. Morris	134 Baldwin Drive Maxton, NC 28364	105 West Baldwin St. Maxton, NC 28364	NA	Irrigation	100	NA	NA	NA	~463 S-SE
WSW-2	8396-4042-9300	Town of Maxton	LT East Elm Street Maxton, NC 28364	PO Box 99 Maxton, NC 28364	(910) 844-5607 (Larry Combs)	Inactive	204	Drilled	65	85 - 151	~1,184 N-NW
WSW-3	8395-4846-1400	Dorothy Leach	201 South Florence Street Maxton, NC 28364	201 South Florence Street Maxton, NC 28364	NA	Irrigation	Unknown	NA	Unknown	Unknown	~470' South

Notes:

- Water supply wells are keyed to **Figure 3.**
- NA: Data not available
- Ft. BGS: Feet below ground surface

TABLE 4
PROPERTY OWNERS/OCCUPANTS
COMMUNITY STOP #2 (INCIDENT NO. 29451)

Date: 03/05/2020 **Facility ID # :** 00-0-0000018540

Tax Parcel Number	Owner Name	Owner Address
8395-4960-0700 (site)	Nic's Properties, Inc.	PO Box 1206 Laurinburg, NC 28353
8395-4970-5000	Drose Investments, Inc.	Post Office Box 126 Saint Pauls, NC 28383
8395-4888-3400		
8395-4859-5600	Masonic Lodge 643	103 Florence Street Maxton, NC 28364
8395-4941-0600	Willie Hailey, Jr.	201 West Martin Luthin King Jr. Drive Maxton, NC 28364
8395-4930-6800	Willie Hailey, Jr.	201 West Martin Luthin King Jr. Drive Maxton, NC 28364
8395-4962-9400	Methodist Episcopal Church	106 Martin Luther King Jr. Drive Maxton, NC 28364

Note:

- Properties are keyed to **Figure 3**.

TABLE 5
WELL CONSTRUCTION AND GAUGING INFORMATION
COMMUNITY STOP #2 (INCIDENT NO. 29451)

Date: 07/21/2022 **Facility ID # :** 00-0-0000018540

Well ID	Date Installed (m/dd/yy)	Date Water Level Measured (m/dd/yy)	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing (ft.)	Free Product Thickness (ft.)	Groundwater Elevation (ft.)
MW-1	09/26/07	09/26/07	5	5-20	20	NM	10.35	0.00	NM
		05/13/11				100.00	7.23	0.00	92.77
		12/13/12					8.44	0.00	91.56
		03/14/13					5.38	0.00	94.62
		06/19/13					4.31	0.00	95.69
		09/17/13					7.54	0.00	92.46
		03/04/14					5.15	0.00	94.85
		09/16/14					5.64	0.00	94.36
		03/11/15					4.38	0.00	95.62
		03/21/16					4.96	0.00	95.04
		02/21/20					4.44	0.00	95.56
		09/29/20					5.10	0.00	94.90
		05/04/21					6.06	0.00	93.94
		12/13/21					10.85	0.00	89.15
		07/05/22					8.44	0.00	91.56
MW-2	09/26/07	09/26/07	6	6-16	16	NM	11.00	0.00	NM
		05/13/11				99.86	6.37	0.00	93.49
		12/13/12					7.93	0.00	91.93
		03/14/13					4.71	0.00	95.15
		06/19/13					4.92	0.00	94.94
		09/17/13					6.51	0.00	93.35
		03/04/14					4.14	0.00	95.72
		09/16/14					5.69	0.00	94.17
		03/11/15					3.62	0.00	96.24
		03/21/16					4.21	0.00	95.65
		02/21/20					3.28	0.00	96.58
		09/29/20					4.56	0.00	95.30
		05/04/21					5.27	0.00	94.59
		12/13/21					10.10	0.00	89.76
		03/10/22					5.85	0.00	94.01
		04/11/22					4.98	0.00	94.88
		07/05/22					7.86	0.00	92.00
MW-3	01/06/11	05/13/11	6	6-16	16	100.27	10.93	0.00	89.34
		12/13/12					8.95	0.00	91.32
		03/14/13					5.93	0.00	94.34
		06/19/13					5.81	0.00	94.46
		09/17/13					7.79	0.00	92.48
		03/04/14					5.76	0.00	94.51
		09/16/14					5.88	0.00	94.39
		03/11/15					5.23	0.00	95.04
		03/21/16					5.63	0.00	94.64
		02/21/20					3.49	0.00	96.78
		09/29/20					5.65	0.00	94.62
		05/04/21					5.72	0.00	94.55
		12/13/21					11.20	0.00	89.07
		07/05/22					9.31	0.00	90.96
MW-4	05/12/11	05/13/11	0-5	5-15	15	99.29	6.33	0.00	92.96
		12/13/12					7.18	0.00	92.11
		03/14/13					4.40	0.00	94.89
		06/19/13					2.90	0.00	96.39
		09/17/13					6.71	0.00	92.58
		03/04/14					4.16	0.00	95.13
		09/16/14					4.39	0.00	94.90
		03/11/15					3.36	0.00	95.93
MW-5	05/12/11	05/13/11	0-5	5-15	15	99.91	6.82	0.00	93.09
		12/13/12					7.41	0.00	92.50
		03/14/13					4.90	0.00	95.01
		06/19/13					3.04	0.00	96.87
		09/17/13					7.31	0.00	92.60
		03/04/14					4.54	0.00	95.37
		09/16/14					4.78	0.00	95.13
		03/11/15					3.77	0.00	96.14

TABLE 5
WELL CONSTRUCTION AND GAUGING INFORMATION
COMMUNITY STOP #2 (INCIDENT NO. 29451)

Date: 07/21/2022 **Facility ID # :** 00-0-0000018540

Well ID	Date Installed (m/dd/yy)	Date Water Level Measured (m/dd/yy)	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing (ft.)	Free Product Thickness (ft.)	Groundwater Elevation (ft.)
MW-6	05/12/11	05/13/11	5	5-15	15	99.28	6.31	0.00	92.97
		12/13/12					6.70	0.00	92.58
		03/14/13					4.35	0.00	94.93
		06/19/13					3.08	0.00	96.20
		09/17/13					6.68	0.00	92.60
		03/04/14					4.11	0.00	95.17
		09/16/14					4.44	0.00	94.84
		03/11/15					3.30	0.00	95.98
		02/21/20					2.78	0.00	96.50
		09/29/20					3.93	0.00	95.35
		05/04/21					5.19	0.00	94.09
MW-7	05/12/11	05/13/11	0-5	5-15	15	98.81	6.15	0.00	92.66
		12/13/12					7.33	0.00	91.48
		03/14/13					4.33	0.00	94.48
		06/19/13					3.18	0.00	95.63
		09/17/13					6.45	0.00	92.36
		03/04/14					4.13	0.00	94.68
		09/16/14					4.58	0.00	94.23
		03/11/15					3.36	0.00	95.45
MW-8	05/12/11	05/13/11	5	5-15	15	98.81	6.20	0.00	92.61
		12/13/12					7.37	0.00	91.44
		03/14/13					4.33	0.00	94.48
		06/19/13					3.12	0.00	95.69
		09/17/13					6.53	0.00	92.28
		03/04/14					4.13	0.00	94.68
		09/16/14					4.52	0.00	94.29
		03/11/15					3.31	0.00	95.50
		03/21/16					4.23	0.00	94.58
		02/21/20					2.57	0.00	96.24
		09/29/20					4.08	0.00	94.73
		05/04/21					5.03	0.00	93.78
		12/13/21					9.85	0.00	88.96
		07/05/22					7.66	0.00	91.15
MW-9	05/12/11	05/13/11	0-5	5-15	15	99.03	7.07	0.00	91.96
		12/13/12					8.40	0.00	90.63
		03/14/13					4.52	0.00	94.51
		06/19/13					3.31	0.00	95.72
		09/17/13					7.22	0.00	91.81
		03/04/14					4.45	0.00	94.58
		09/16/14					5.21	0.00	93.82
		03/11/15					3.33	0.00	95.70
MW-10	05/12/11	05/13/11	0-5	5-15	15	98.85	7.17	0.00	91.68
		12/13/12					8.55	0.00	90.30
		03/14/13					4.79	0.00	94.06
		06/19/13					3.85	0.00	95.00
		09/17/13					7.34	0.00	91.51
		03/04/14					NM	NM	NM
		09/16/14					5.46	0.00	93.39
		03/11/15					3.18	0.00	95.67
MW-11	05/12/11	05/13/11	0-5	5-15	15	99.19	6.66	0.00	92.53
		12/13/12					7.95	0.00	91.24
		03/14/13					4.83	0.00	94.36
		06/19/13					3.68	0.00	95.51
		09/17/13					7.06	0.00	92.13
		03/04/14					4.58	0.00	94.61
		09/16/14					4.82	0.00	94.37
		03/11/15					3.72	0.00	95.47
		03/21/16					4.71	0.00	94.48
MW-12	05/12/11	05/13/11	0-5	5-15	15	98.75	6.41	0.00	92.34
		12/13/12					7.57	0.00	91.18
		03/14/13					4.35	0.00	94.40
		06/19/13					2.73	0.00	96.02
		09/17/13					6.73	0.00	92.02
		03/04/14					4.15	0.00	94.60
		09/16/14					4.43	0.00	94.32
		03/11/15					3.10	0.00	95.65

TABLE 5
WELL CONSTRUCTION AND GAUGING INFORMATION
COMMUNITY STOP #2 (INCIDENT NO. 29451)

Date: 07/21/2022 **Facility ID # :** 00-0-0000018540

Well ID	Date Installed (m/dd/yy)	Date Water Level Measured (m/dd/yy)	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing (ft.)	Free Product Thickness (ft.)	Groundwater Elevation (ft.)
MW-13	05/12/11	05/13/11	0-5	5-15	15	99.33	7.35	0.00	91.98
		12/13/12					8.75	0.00	90.58
		03/14/13					5.68	0.00	93.65
		06/19/13					4.84	0.00	94.49
		09/17/13					7.64	0.00	91.69
		03/04/14					5.51	0.00	93.82
		09/16/14					5.91	0.00	93.42
		03/11/15					4.58	0.00	94.75
MW-14	05/12/11	05/13/11	5	5-15	15	99.99	8.13	0.00	91.86
		12/13/12					9.58	0.00	90.41
		03/14/13					6.73	0.00	93.26
		06/19/13					5.88	0.00	94.11
		09/17/13					8.38	0.00	91.61
		03/04/14					6.61	0.00	93.38
		09/16/14					6.97	0.00	93.02
		03/11/15					5.77	0.00	94.22
		03/21/16					6.39	0.00	93.60
		02/21/20					5.56	0.00	94.43
		09/29/20					6.52	0.00	93.47
		05/04/21					7.10	0.00	92.89
MW-15	05/12/11	05/13/11	0-5	5-15	15	99.05	6.59	0.00	92.46
		12/13/12					7.89	0.00	91.16
		03/14/13					4.64	0.00	94.41
		06/19/13					3.58	0.00	95.47
		09/17/13					6.81	0.00	92.24
		03/04/14					4.38	0.00	94.67
		09/16/14					6.16	0.00	92.89
		03/11/15					3.50	0.00	95.55
MW-16	12/13/21	12/13/21	2	2-22	22	99.76	9.50	0.00	90.26
		03/10/22					7.06	0.00	92.70
		04/11/22					4.36	0.00	95.40
		07/05/22					7.45	0.00	92.31
TW-1	05/11/11	05/13/11	45	45-50	50	99.97	16.41	0.00	83.56
		12/13/12					15.60	0.00	84.37
		03/14/13					13.85	0.00	86.12
		06/19/13					13.73	0.00	86.24
		09/17/13					13.18	0.00	86.79
		03/04/14					13.33	0.00	86.64
		09/16/14					14.48	0.00	85.49
		03/11/15					11.11	0.00	88.86
		03/21/16					11.62	0.00	88.35
		02/21/20					8.68	0.00	91.29
		09/29/20					11.90	0.00	88.07
		05/04/21					12.14	0.00	87.83

Notes:

- Elevations relative to a temporary benchmark with an assumed datum of 100.00 feet; data reported in feet
- ft BGS : feet below ground surface
- NM: Not Measured.

TABLE 6
SUMMARY OF LABORATORY ANALYTICAL RESULTS- GROUND WATER SAMPLES
COMMUNITY STOP #2 (INCIDENT # 29451)

Date: 07/21/2022 **Facility ID # :** 00-0-0000018540

Analytical Method →		EPA 6200B											504.1	6010B/ 3030C	MADEP VPH/EPH			
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C-9-C22 Aromatics
Well ID	Date Collected																	
MAC (mg/l)		1	600	600	500	20	6	70	70	70	400	400	0.02	15	400	700	10,000	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*70,000*	*28,500*	*24,100*	*50*	*15,000*	*NE*	*NE*	*NE*	*NE*
MW-1	09/26/07	**3,530**	**10,500**	**1,700**	**9,440**	**601**	**936**	**89.2**	**283**	26.6	**2,090**	**527**	**7.6 J**	**41.0**	**5,300**	**10,300**	<100	**7,050**
	05/13/11	**1,430**	**4,510**	**2,100**	**9,290**	**253**	**1,080**	**109**	**353**	20.7 J	**2,450**	**600**	NR	8.9	**15,800**	**21,870**	<160	**16,910**
	12/13/12	**2,400**	**3,700**	**2,040**	**10,020**	**587**	**1,050**	**87.1**	**275**	<5.0	**2,310**	**500**	**1.4**	NR	**10,500**	<880	NR	**15,000**
	03/14/13	**1,860**	**2,450**	**2,120**	**9,280**	**347**	**1,150**	**80.1**	**365**	16.6 J	**2,700**	**627**	NR	NR	NR	NR	NR	NR
	06/19/13	**1,800**	**2,450**	**2,190**	**9,380**	**329**	**1,070**	**81.4**	**384**	14.5 J	**2,610**	**608**	NR	NR	NR	NR	NR	NR
	09/17/13	**2,300**	**2,320**	**2,250**	**9,320**	**556**	**1,080**	**90.7**	**402**	17.1 J	**2,540**	**606**	NR	NR	NR	NR	NR	NR
	03/04/14	**1,670**	**1,450**	**2,410**	**8,460**	**382**	**1,170**	**128**	**428**	16.0	**2,740**	**660**	NR	NR	NR	NR	NR	NR
	09/16/14	**1,460**	**1,760**	**2,150**	**9,150**	**240**	**1,200**	**116**	**410**	15.9 J	**3,050**	**742**	NR	NR	NR	NR	NR	NR
	03/11/15	**1,660**	**949**	**2,370**	**8,100**	**287**	**1,080**	**111**	**378**	13.9	**2,650**	**582**	NR	NR	NR	NR	NR	NR
	03/21/16	**1,620**	**1,610**	**2,950**	**10,300**	**128**	**1,620**	**149**	**555**	<13	**3,710**	**918**	NR	NR	NR	NR	NR	NR
	02/21/20	**451**	131	**1,840**	**2,910**	<6.3	**1,030**	**137**	**484**	<6.3	**2,180**	**558**	NR	NR	NR	NR	NR	NR
	09/29/20	**461**	138	**1,780**	**2,650**	<6.3	**1,160**	**105**	**433**	<6.3	**2,450**	**529**	NR	NR	NR	NR	NR	NR
	05/04/21	**611**	190	**1,720**	**2,187**	<6.3	**1,040**	**136**	**498**	<6.3	**2,160**	**478**	NR	NR	NR	NR	NR	NR
	12/13/21	**195**	153	**1,550**	**2,500**	<6.3	**972**	**113**	**380**	<6.3	**2,690**	**631**	NR	NR	NR	NR	NR	NR
	07/21/22	**389**	105	**1,560**	**1,050**	<1.40	**998**	**139**	**367**	<2.20	**1,560**	**174**	NR	NR	NR	NR	NR	NR
MW-2	09/26/07	***8,760***	**31,700**	**3,580**	**20,600**	**10,100**	**1,210**	**138**	**369**	**193**	**3,230**	**821**	**7.2 J**	**110**	**19,000**	**25,300**	<100	**17,880**
	05/13/11	***7,700***	**20,000**	**3,530**	**17,540**	**1,210**	**843**	**113 J**	**353**	<50	**3,310**	**794**	NR	**19.4**	**46,700**	**38,860**	8,070	**24,580**
	12/13/12	***9,200***	**32,500**	**4,130**	**26,610**	**381**	**2,520**	**134 J**	**526**	<50	**6,220**	**1,220**	**0.27**	NR	**33,100**	<1,800	NR	**24,300**
	03/14/13	***8,720***	**21,400**	**3,680**	**19,600**	**396**	**977**	**111 J**	**383**	<50	**3,480**	**854**	NR	NR	NR	NR	NR	NR
	06/19/13	***8,950***	**23,300**	**4,260**	**23,500**	**362**	**1,010**	**121 J**	**478**	60.2 J	**4,350**	**1,050**	NR	NR	NR	NR	NR	NR
	09/17/13	***9,490***	**28,200**	**4,350**	**22,200**	**208**	**1,050**	**122 J**	**470**	43.6J	**3,890**	**960**	NR	NR	NR	NR	NR	NR
	03/04/14	***9,400***	**23,200**	**4,370**	**23,000**	**398**	**1,010**	**165 J**	**480**	<50	**4,190**	**1,060**	NR	NR	NR	NR	NR	NR
	09/16/14	***7,160***	**21,300**	**3,690**	**21,300**	**168 J**	**841**	**125 J**	**355**	<50	**3,480**	**832**	NR	NR	NR	NR	NR	NR
	03/11/15	***8,000***	**20,200**	**4,400**	**21,900**	**268**	**1,070**	**183**	**562**	<24	**4,760**	**1,220**	NR	NR	NR	NR	NR	NR
	03/21/16	***6,940***	**23,100**	**5,370**	**26,200**	**55.1 J**	**1,750**	**247**	**872**	<31	**7,520**	**1,940**	NR	NR	NR	NR	NR	NR
	02/21/20	**4,300**	**2,400**	**2,460**	**12,400**	<25	**1,040**	**89.7 J**	**237**	<25	**3,160**	**1,080**	NR	NR	NR	NR	NR	NR
	09/29/20	**4,700**	**1,580**	**2,690**	**8,440**	25.3 J	**994**	**74.5 J**	**228**	<25	**2,420**	**624**	NR	NR	NR	NR	NR	NR
	05/04/21	***5,970***	**791**	**3,270**	**13,866**	<25	**1,470**	**117**	**302**	<25	**4,280**	**1,420**	NR	NR	NR	NR	NR	NR
	12/13/21	**3,840**	376	**2,510**	**8,770**	<25	**1,380**	**102**	**271**	<25	**2,960**	**928**	NR	NR	NR	NR	NR	NR
	03/10/22	***5,560***	**6,840**	**2,900**	**17,600**	<31	**1,110**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	04/11/22	**3,910**	**12,100**	**3,540**	**18,090**	<63	**1,140**	**143 J**	**370**	<63	**4,120**	**1,250**	NR	NR	NR	NR	NR	NR
	07/05/22	**4,760**	**8,530**	**4,190**	**19,100**	<14.0	**1,970**	**193**	**486**	**74.2**	**4,950**	**1,340**	NR	NR	NR	NR	NR	NR

TABLE 6
SUMMARY OF LABORATORY ANALYTICAL RESULTS- GROUND WATER SAMPLES
COMMUNITY STOP #2 (INCIDENT # 29451)

Date: 07/21/2022 **Facility ID # :** 00-0-0000018540

Analytical Method →		EPA 6200B											504.1	6010B/ 3030C	MADEP VPH/EPH			
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C-9-C22 Aromatics
Well ID	Date Collected																	
MAC (mg/l)		1	600	600	500	20	6	70	70	70	400	400	0.02	15	400	700	10,000	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*70,000*	*28,500*	*24,100*	*50*	*15,000*	*NE*	*NE*	*NE*	*NE*
MW-3	05/13/11	**117**	3.6	131	119.4	7.0	**56.1**	27.3	52.7	<0.10	152	50.8	<0.0096	**40.2**	**907**	**1,885**	<150	**2,373**
	12/13/12	**140**	2.3 J	252	4.9 J	4.7 J	**314**	31.1	**152**	<1.0	19.7	116	<0.0093	NR	**1,670J**	<700	NR	**2,650**
	03/14/13	**148**	1.0 J	200	8.6	4.3	**189**	24.5	**105**	<0.50	33.6	84.3	NR	NR	NR	NR	NR	NR
	06/19/13	**178**	2.2	227	69.9	6.0	**149**	35.3	**122**	<0.10	247	80.8	NR	NR	NR	NR	NR	NR
	09/17/13	**187**	1.2 J	265	10.1	4.6	**196**	32.6	**126**	<0.50	186	10.8	NR	NR	NR	NR	NR	NR
	03/04/14	**144**	0.89	192	17.6	4.7	**132**	21.8	64.8	<0.10	92.5	21.8	NR	NR	NR	NR	NR	NR
	09/16/14	**125**	0.73 J	198	6.5 J	3.6	**177**	30.7	**108**	<0.50	49.9	18.5	NR	NR	NR	NR	NR	NR
	03/11/15	**108**	0.59 J	77.0	6.7	3.4	**104**	7.1	22.5	<0.30	45.2	3.7	NR	NR	NR	NR	NR	NR
	03/21/16	**105**	0.40 J	187	1.0 J	3.1	**144**	31.7	**89.8**	<0.13	2.7	0.74	NR	NR	NR	NR	NR	NR
	02/21/20	**22.1**	<0.13	20.3	<0.25	0.23 J	**36.9**	6.9	24.7	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	09/29/20	**58.4**	<0.63	34.1	<1.3	0.79 J	**125**	12.4	46.4	<0.63	<0.63	<0.63	NR	NR	NR	NR	NR	NR
	05/04/21	**58.7**	0.36 J	46.8	1.48 J	<0.25	**94.3**	12.5	34.6	<0.25	2.6	<0.25	NR	NR	NR	NR	NR	NR
	12/13/21	**67.2**	1.4	78.1	2.5	0.95	**172**	18.9	69.9	<0.13	0.99	0.24 J	NR	NR	NR	NR	NR	NR
	07/05/22	**19.3**	18.7	28.6	34.9	<0.140	**37.9**	6.20	17.4	<0.220	21.6	3.64	NR	NR	NR	NR	NR	NR
MW-4	05/13/11	<0.13	<0.13	<0.15	<0.30	<0.13	<0.10	<0.10	<0.11	<0.50	<0.10	<0.10	<0.0094	10.5	<35	<145	120	<145
	12/13/12	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0093	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
MW-5	05/13/11	<0.13	<0.13	<0.15	<0.30	<0.13	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.0095	<5.0	<35	133	<130	<165
	12/13/12	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0095	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR

TABLE 6
SUMMARY OF LABORATORY ANALYTICAL RESULTS- GROUND WATER SAMPLES
COMMUNITY STOP #2 (INCIDENT # 29451)

Date: 07/21/2022 **Facility ID # :** 00-0-0000018540

Analytical Method →		EPA 6200B											504.1	6010B/ 3030C	MADEP VPH/EPH			
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C-9-C22 Aromatics
Well ID	Date Collected																	
MAC (mg/l)		1	600	600	500	20	6	70	70	70	400	400	0.02	15	400	700	10,000	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*70,000*	*28,500*	*24,100*	*50*	*15,000*	*NE*	*NE*	*NE*	*NE*
MW-6	05/13/11	<0.13	<0.13	<0.15	<0.30	0.18 J	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.0094	<5.0	<35	205	165	<175
	12/13/12	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0094	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	09/29/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	05/04/21	<0.13	0.13 J	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
MW-7	05/13/11	<0.13	0.46 J	<0.15	<0.30	2.2	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.0093	<5.0	<35	117	<110	<145
	12/13/12	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0093	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	0.75	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	<0.10	<0.10	<0.10	<0.20	0.78	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	<0.10	<0.10	<0.10	<0.20	0.21 J	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	1.9	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
MW-8	05/13/11	**355**	**3,830**	**972**	**4,590**	6.9 J	**158**	48.3	**150**	<5.0	**942**	239	**1.9**	<5.0	**6,950**	**9,359**	<150	**6,378**
	12/13/12	**766**	**4,980**	**1,350**	**7,570**	<10	**196**	45.3 J	**184**	<10	**1,290**	280	**3.9**	NR	**5,380**	<880	NR	**6,480**
	03/14/13	**281**	**1,810**	**707**	**3,290**	<5.0	**143**	31.3	**133**	<5.0	**841**	210	NR	NR	NR	NR	NR	NR
	06/19/13	**83.9**	524	286	**1,250**	<2.0	**75.8**	15.7	58.9	<2.0	312	88.2	NR	NR	NR	NR	NR	NR
	09/17/13	**934**	**4,870**	**1,490**	**7,360**	<2.0	**264**	60.1	**195**	<2.0	**1,310**	323	NR	NR	NR	NR	NR	NR
	03/04/14	**201**	**1,030**	243	**1,720**	0.64	**69.0**	12.6	30.2	<0.10	383	136	NR	NR	NR	NR	NR	NR
	09/16/14	**180**	**722**	321	**1,970**	<2.0	**105**	19.4	59.0	<2.0	**565**	208	NR	NR	NR	NR	NR	NR
	03/11/15	**138**	491	193	**1,010**	<0.16	**50.6**	12.9	34.5	<0.12	257	76.4	NR	NR	NR	NR	NR	NR
	03/21/16	**1,030**	**5,430**	**952**	**5,120**	<6.3	**210**	32.8	**96.3**	<6.3	**899**	249	NR	NR	NR	NR	NR	NR
	02/21/20	**232**	**618**	295	**1,220**	<2.5	**92.5**	11.1	25.7	<2.5	242	93.9	NR	NR	NR	NR	NR	NR
	09/29/20	**406**	**1,720**	449	**1,900**	<6.3	**97.5**	17.8 J	60.9	<6.3	**417**	117	NR	NR	NR	NR	NR	NR
	05/04/21	**2,610**	**13,600**	**1,840**	**9,280**	<63	**279**	<63	**168 J**	<63	**1,310**	387	NR	NR	NR	NR	NR	NR
	12/13/21	**166**	**732**	224	**949**	<2.5	**53.4**	16.0	49.4	<2.5	286	83.7	NR	NR	NR	NR	NR	NR
	07/05/22	**538**	**4,780**	**860**	**5,290**	<0.140	**190**	44.0	**94.5**	<0.220	<0.190	222	NR	NR	NR	NR	NR	NR

TABLE 6
SUMMARY OF LABORATORY ANALYTICAL RESULTS- GROUND WATER SAMPLES
COMMUNITY STOP #2 (INCIDENT # 29451)

Date: 07/21/2022 **Facility ID # :** 00-0-0000018540

Analytical Method →		EPA 6200B											504.1	6010B/ 3030C	MADEP VPH/EPH			
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C-9-C22 Aromatics
Well ID	Date Collected																	
MAC (mg/l)		1	600	600	500	20	6	70	70	70	400	400	0.02	15	400	700	10,000	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*70,000*	*28,500*	*24,100*	*50*	*15,000*	*NE*	*NE*	*NE*	*NE*
MW-9	05/13/11	<0.13	0.24 J	<0.15	0.26 J	0.20 J	0.23 J	<0.10	<0.11	<0.10	0.12 J	<0.10	<0.0093	<5.0	<35	150	326	<175
	12/13/12	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0095	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
MW-10	05/13/11	<0.13	<0.13	<0.15	<0.30	0.34 J	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.0094	<5.0	<35	192	547	<175
	12/13/12	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0091	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/16/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
MW-11	05/13/11	<0.13	<0.13	<0.15	<0.30	10.8	0.36 J	<0.10	<0.11	<0.10	<0.10	<0.10	<0.0094	<5.0	<35	135	<130	<165
	12/13/12	0.91	<0.10	<0.10	<0.22	12.3	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0094	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	8.6	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	**21.3**	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	6.2	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	0.23 J	<0.10	0.12 J	<0.20	7.2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	<0.10	<0.10	<0.10	<0.20	0.98	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	2.3	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	03/21/16	<0.13	<0.13	<0.13	<0.31	0.15 J	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
MW-12	05/13/11	<0.13	0.16 J	<0.15	<0.30	5.9	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.0093	<5.0	<35	138	<120	<155
	12/13/12	**1.3**	<0.10	<0.10	<0.22	12.6	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0092	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	0.42 J	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	0.84	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR

TABLE 6
SUMMARY OF LABORATORY ANALYTICAL RESULTS- GROUND WATER SAMPLES
COMMUNITY STOP #2 (INCIDENT # 29451)

Date: 07/21/2022 **Facility ID # :** 00-0-0000018540

Analytical Method →		EPA 6200B											504.1	6010B/ 3030C	MADEP VPH/EPH			
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C-9-C22 Aromatics
Well ID	Date Collected																	
MAC (mg/l)		1	600	600	500	20	6	70	70	70	400	400	0.02	15	400	700	10,000	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*70,000*	*28,500*	*24,100*	*50*	*15,000*	*NE*	*NE*	*NE*	*NE*
MW-13	05/13/11	<0.13	<0.13	<0.15	<0.30	3.4	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.0093	<5.0	<35	178	163	<165
	12/13/12	<0.10	<0.10	<0.10	<0.22	1.6	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0094	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	1.7	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	11.5	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	**200**	0.51	<0.10	16.5	**160**	**62.8**	4.0	0.22 J	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	**20.4**	<0.10	<0.10	3.2	**47.5**	3.7	0.12 J	<0.10	<0.10	0.21 J	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	**120**	<0.50	<0.50	2.8 J	**138**	**27.0**	1.8 J	<0.50	<0.50	<0.50	<0.50	NR	NR	NR	NR	NR	NR
	03/11/15	**1.4**	<0.17	<0.15	<0.43	14.9	0.16 J	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
MW-14	05/13/11	<0.13	<0.13	<0.15	<0.30	3.4	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.0093	<5.0	<35	150	<130	<165
	12/13/12	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0094	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	0.80	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	3.9	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	**75.0**	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	<0.10	<0.10	<0.10	<0.20	14.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	0.19 J	<0.10	<0.10	<0.20	**22.1**	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	0.64	<0.17	<0.15	<0.43	**157**	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	03/21/16	0.49 J	<0.13	<0.13	<0.31	10.3	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	02/21/20	0.39 J	<0.13	0.49 J	0.87 J	**42.7**	0.37 J	<0.13	<0.13	<0.13	0.26 J	<0.13	NR	NR	NR	NR	NR	NR
	09/29/20	0.83	<0.13	<0.13	<0.25	**6.1**	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	05/04/21	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
MW-15	05/13/11	<0.13	0.33 J	<0.15	<0.30	1.0	<0.10	<0.10	<0.11	<0.10	<0.10	<0.10	<0.0095	**15.1**	<35	<135	<100	<135
	12/13/12	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.0094	NR	<35	<35	NR	<35
	03/14/13	<0.10	<0.10	<0.10	<0.22	0.16 J	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/19/13	<0.10	<0.10	<0.10	<0.22	0.17 J	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/17/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/04/14	<0.10	<0.10	<0.10	<0.20	0.72	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	09/16/14	<0.10	<0.10	<0.10	<0.20	0.21 J	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
MW-16	12/13/21	*6,540*	**3,140 E**	**2,390**	**11,000**	**1,750**	**946**	**89.2**	**302**	44.1	**2,370**	**610**	NR	NR	NR	NR	NR	NR
	03/10/22	**4,430**	**7,090**	**2,100**	**8,580**	**127 J**	**537**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	04/11/22	**2,790**	**3,200**	**2,090**	**6,070**	**53.4**	**956**	**76.8**	**241**	18.4 J	**1,810**	**475**	NR	NR	NR	NR	NR	NR
	07/05/22	**2,640**	**4,400**	**1,040**	**4,540**	**217**	**468**	41.7	**133**	<0.220	**1,080**	**275**	NR	NR	NR	NR	NR	NR

TABLE 6
SUMMARY OF LABORATORY ANALYTICAL RESULTS- GROUND WATER SAMPLES
COMMUNITY STOP #2 (INCIDENT # 29451)

Date: 07/21/2022 **Facility ID # :** 00-0-0000018540

Analytical Method →		EPA 6200B											504.1	6010B/ 3030C	MADEP VPH/EPH			
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	Styrene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C-9-C22 Aromatics
Well ID	Date Collected																	
MAC (mg/l)		1	600	600	500	20	6	70	70	70	400	400	0.02	15	400	700	10,000	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*70,000*	*28,500*	*24,100*	*50*	*15,000*	*NE*	*NE*	*NE*	*NE*
TW-1	05/13/11	**8.6**	39.3	22.0	124.3	6.9	**12.7**	2.8	9.7	<0.10	56.4	17.2	<0.0094	<5.0	214	631	699	**686**
	12/13/12	**300**	363	83.9	463	**43.6**	**42.2**	3.8 J	9.4	<1.0	101	16.1	<0.0094	NR	**673**	<35	NR	**676**
	03/14/13	**224**	170	51.6	251	**118**	**34.2**	4.6	10.3	0.22 J	69.4	19.1	NR	NR	NR	NR	NR	NR
	06/19/13	**190**	126	46.6	226	**155**	**33.3**	4.4	9.0	<0.10	61.8	15.2	NR	NR	NR	NR	NR	NR
	09/17/13	**179**	132	42.7	202	**130**	**32.9**	5.2	10.7	<0.10	59.8	13.4	NR	NR	NR	NR	NR	NR
	03/04/14	**129**	66.1	19.8	87.5	**84.6**	**17.8**	1.9	3.2	<0.10	27.2	5.4	NR	NR	NR	NR	NR	NR
	09/16/14	**164**	85.0	38.4	183	**78.7**	**27.8**	3.6	6.0	<0.50	63.2	11.9	NR	NR	NR	NR	NR	NR
	03/11/15	**150**	49.4	29.6	109	**53.5**	**21.8**	3.8	5.0	<0.12	34.3	6.2	NR	NR	NR	NR	NR	NR
	03/21/16	**4.1**	1.6	0.64	2.4	<0.13	0.27 J	<0.13	<0.13	<0.13	0.40 J	<0.13	NR	NR	NR	NR	NR	NR
	02/21/20	**5.1**	<0.13	0.32 J	<0.25	9.1	<0.13	<0.13	<0.13	<0.13	0.13 J	<0.13	NR	NR	NR	NR	NR	NR
	09/29/20	**108**	1.0 J	1.3	1.3 J	**22.6**	0.38 J	<0.31	<0.31	<0.31	0.58 J	<0.31	NR	NR	NR	NR	NR	NR
	05/04/21	**10.7**	0.78	0.15 J	0.59 J	9.7	0.40 J	<0.13	<0.13	<0.13	0.33 J	<0.13	NR	NR	NR	NR	NR	NR
Trip Blank	09/16/14	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	03/11/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.12	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	03/21/16	<0.13	<0.13	<0.13	<0.31	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	09/29/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	03/10/22	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	04/11/22	<0.13	<0.14	<0.15	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	07/05/22	<0.180	<0.220	<0.170	<0.21	<0.140	<0.470	<0.180	<0.190	<0.220	<0.190	<0.180	NR	NR	NR	NR	NR	NR

Notes:

- Results reported in µg/l.
- MAC: Maximum allowable concentrations as specified in T15A NCAC 2L.0202.
- GCL: Gross Contamination Level.
- Concentrations in bold face type exceeded the MACs.
- Concentrations in bold face and italics exceeded the GCLs.
- J: The analyte was positively identified but the value is estimated below the reporting limit.
- <: Less than the method detection limit specified in the laboratory report.
- NR: Not requested.
- NE: Not established.
- Concentrations of TAA (405 µg/l in MW-1, 1,620 µg/l in MW-2, 138 µg/l in MW-8 and 1,180 µg/l in MW-16) and Ethanol (44,300 µg/l in MW-16) were reported in samples collected on July 5, 2022.
- For other compounds reported which did not exceed the MACs refer to the laboratory analytical report.
- Trip Blank Sample for the 2/21/20 sampling event was mislabeled as field blank.

APPENDICES

APPENDIX A

State Correspondence

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

2532 Received MAY 18 2022

May 16, 2022

Estate of Robert C. Cooper
Attn: Anne Braswell, Administratrix
14147 Hickory Oaks Lane
Ashland, VA 23005

Re: Acknowledgement of Report Receipt
Community Stop 2
150 West Martin Luther King Drive
Maxton, Robeson County
Incident Number: 29451
Risk Classification: Intermediate
Ranking: I-170-A

Dear Ms. Braswell:

The UST Section, Division of Waste Management, Fayetteville Regional Office, is in receipt of the Ground Water Monitoring Report dated May 11, 2022. The report has been reviewed and the UST Section requests that you conduct a ground water monitoring event during July 2022 using MW-2 & MW-16.

The data should be submitted in the Monitoring Report format and will be anticipated during August 2022 as stated in the report conclusions. Once this data is available, your consultant can then make decisions if additional AFVR events will be beneficial at sustained contaminant concentration reductions. This office is limited to approval of four AFVR/MMPE events before such remedial effort must be in an approved Corrective Action Plan.

If you have questions, please contact me at the Fayetteville Regional Office address below or at (910) 433-3347.

Sincerely,

Kenneth E. Currie, Hydrogeologist
Fayetteville Regional Office
UST Section, Division of Waste Management

c: Mr. William Regenthal, P.G., Geological Resources, Inc. *(email copy)*
FRO Digital Incident File #29451

2532 Received JUN 20 2022

DIRECTED - CAB ONLY

ELECTRONIC PREAPPROVAL TASK AUTHORIZATION FORM

Dept of Environmental Quality - Division of Waste Management

Site Name	Community Stop #2	City / County	Maxton / Robeson
Resp Pty Name / Contact	Estate of Robert C. Cooper	Incident Mgr	Ken Currie
RP Type *(Owner/Operator / Landowner / Attny-in-fact)*	Owner/Operator	**Change Order?**	NO
Consultant / Project Mgr	Geological Resources, Inc. / William Regenthal	**Incident #**	29451
Telephone / Fax Number	704-845-4010 / 704-845-4012	Region	FAY
Project Mgr Email	wlr@geologicalresourcesinc.com	**Prev. TA #**	17
Proposal# / Scope Dates	22-418 / July 2022		
Has STF Eligibility Been Determined? (Y/N)	YES		

(Reserved for Incident Manager)

Task Authorization Number:	***18***	*ChangeOrd:*	
Site Risk / Rank / Abatement:	***I-170-A***	*RRA Date:*	***4/9/2020***
% Commercial (C=100%, NC=0%, Both=1%-99%)			100.00%
***Site Status** (Active or NFA Date)*			***Active***

Note: This Electronic Preapproval Task Authorization (ePATA) shall be used to receive preapproval from the UST Section. A proposal, including maps and figures, must be attached to elaborate on the costs for the tasks listed below that describes the scope of work and the rationale for the proposed activities. If, following completion of this ePATA, you discover that unexpected tasks must be performed, incurring costs for tasks not originally included with this form, you must complete and submit a separate ePATA request designated as a "Change Order" in the provided space above prior to conducting those tasks. Include a copy of the prior ePATA form for confirmation. Please attach this form to the cover of the corresponding claim when requesting reimbursement. IMPORTANT: Only one claim may be submitted per ePATA and all work on the ePATA must have been completed within 12 months of the completion date of the FIRST completed task to remain within the Statute of Limitations. All ePATAs submitted within a claim are closed with that claim, and may not be re-used in a separate submittal, even for costs or tasks that were not originally claimed. Final reimbursement of costs associated with the Total Claimed amount below may be affected by the eligibility status of the site (i.e., deductibles, apportionment, etc.), and the documentary validation of incurred costs as reasonable and necessary expenses per 15A NCAC 2P .0402 and .0404.

With Claim: [ ] All Main Consultant/Contractor invoices attached? [ ] Proof of payment attached directly to the front of each invoice?

◆ **Important: The date of reimbursement is dependent on the Trust Fund balance. There may be a delay in the reimbursement of claims for work under this ePATA.**

PREAPPROVAL / TASK AUTHORIZATION *(See Instructions / RRD for Tasks requiring Preapproval / Task Authorization)* — **FINAL REIMBURSEMENT** *(Must Complete with Claim Submittal)*

3rd Pty Ded?	Task #	Lab / SubCode	Proposed Units / Type (Consultant)	RO IM Auth	Proposed Rate/Price (Consultant)	RO Supv. Auth	Proposed Task Subtotal (Consultant)	Final Preapproved Subtotal (UST Section)	Dates of Work (Consultant) Started[1] / Completed[2]	Claimed Amount[3] (Consultant)
	4.031		5 / wells	Y	$110.00	Y	$550.00	$550.00	/	
	4.090	#240	5 / samples	Y	$94.00	Y	$470.00	$470.00	/	
	4.090	#272	1 / sample	Y	$66.00	Y	$66.00	$66.00	/	
	4.091		1 / shipment	Y	$60.00	Y	$60.00	$60.00	/	
	6.090		1 / report	Y	$1,125.00	Y	$1,125.00	$1,125.00	/	
	12.050		1 / trip	Y	$250.00	Y	$250.00	$250.00	/	
	12.055		1 / trip	Y	$50.00	Y	$50.00	$50.00	/	

	Requested	Preapproved		Claimed[3]
TOTAL:	$2,571.00	**$2,571.00**	**TOTAL:**	
Total Standard Costs (Not Third Party)	$2,571.00	**$2,571.00**	*Total Standard Costs*	
Total applied as Third Party Deductible/Damage Costs	$0.00	**$0.00**	*Total Third Pty Costs*	

Process Tracking	(Date)		(Initials)	
TA Submittal:	6/16/22	by:	WR	(PM)
RO Review:	6/17/22	by:	KEC	(IM)
RO Supv. Review:	6/20/22	by:	MHH	(STF)

(Reserved for RO)

Joint UST Preapproval Confirmed By: [signature] Date[1] 6/20/2022

RP or Designee Receipt Confirmation By: [signature] Date[4] 6/21/22

1 - This ePATA expires one year from the Joint UST Preapproval date. This does not extend, alter, or supersede any regulatory deadlines (e.g., NORR's, NOV's, Enforcements, etc.)

2 - THE ONE YEAR STATUTE OF LIMITATIONS APPLIES TO EACH INDIVIDUAL TASK. Costs must be claimed within one year of completion of that task to be reimbursable.

3 - Only Tasks included on this ePATA may be claimed. Do not include other Tasks or claimed costs (i.e., Claim preparation) that were not preapproved or the claim will be returned.

4 - Preapproval is not valid (i.e., claimable) until receipt is signed as 'Confirmed' by the RP or their designee within a week of approval. The signed pre-approval must be submitted in the submitted claim. Signature indicates acknowledgement of the tasks and amounts approved. Any objections/appeals must be submitted via Change Order prior to work proceeding. Scope/cost negotiations do not supersede other regulatory deadlines as described in #1 above. Also, any ePATA that has been signed as 'Confirmed' by both the UST Section and RP is not to be modified without written consent by all signatories.

5 - Tasks approved on Directed - CAB Only ePATAs must be performed in accordance with all applicable rules, statutes, and RRD Task Scopes of Work to be reimbursed in full.

APPENDIX B

Laboratory Report – Ground Water Samples

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

7/19/2022

Geological Resources, Inc.
William Regenthal
113 West Firetower Road, Suite G
Winterville, NC, 28590

Ref: Analytical Testing
Lab Report Number: 22-189-0005
Client Project Description: Community Stop #2
GRI #2532

Dear William Regenthal:

Waypoint Analytical, LLC (Charlotte) received sample(s) on 7/8/2022 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Danyale Love
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP CNC: Waypoint Analytical Carolina, Inc. (C), Charlotte, NC

State	Program	Lab ID	Expiration Date
North Carolina	State Program	37735	07/31/2022
North Carolina	State Program	402	12/31/2022
South Carolina	State Program	99012	07/31/2022
South Carolina	State Program	99012	12/31/2022

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Sample Summary Table

Report Number: **22-189-0005**

Client Project Description: **Community Stop #2**
GRI #2532

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
93799	Trip Blank	Aqueous	07/05/2022 08:52	07/08/2022
93800	MW-8	Aqueous	07/05/2022 09:32	07/08/2022
93801	MW-1	Aqueous	07/05/2022 09:41	07/08/2022
93802	MW-3	Aqueous	07/05/2022 09:50	07/08/2022
93803	MW-2	Aqueous	07/05/2022 10:03	07/08/2022
93804	MW-16	Aqueous	07/05/2022 10:12	07/08/2022

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Summary of Detected Analytes

Project: **Community Stop #2**

Report Number: **22-189-0005**

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
MW-8	**V 93800**					
6200B	Benzene	538	µg/L	1.80	07/15/2022 15:22	
6200B	n-Butylbenzene	7.83	µg/L	0.180	07/14/2022 19:10	
6200B	sec-Butyl benzene	5.00	µg/L	0.200	07/14/2022 19:10	
6200B	Chlorodibromomethane	0.257	µg/L	0.190	07/14/2022 19:10	J
6200B	1,2-Dibromoethane	1.56	µg/L	0.200	07/14/2022 19:10	
6200B	Ethylbenzene	860	µg/L	1.70	07/15/2022 15:22	
6200B	2-Hexanone	11.9	µg/L	0.380	07/14/2022 19:10	
6200B	Isopropylbenzene	44.0	µg/L	0.180	07/14/2022 19:10	
6200B	4-Isopropyl toluene	3.18	µg/L	0.089	07/14/2022 19:10	
6200B	4-Methyl-2-Pentanone	6.02	µg/L	0.078	07/14/2022 19:10	
6200B	Methylene Chloride	1.05	µg/L	0.330	07/14/2022 19:10	J
6200B	Naphthalene	190	µg/L	4.70	07/15/2022 15:22	
6200B	n-Propylbenzene	94.5	µg/L	0.190	07/14/2022 19:10	
6200B	tert-Amyl Alcohol (TAA)	138	µg/L	19.0	07/15/2022 15:22	
6200B	Toluene	4780	µg/L	22.0	07/15/2022 15:46	
6200B	1,3,5-Trimethylbenzene	222	µg/L	1.80	07/15/2022 15:22	
6200B	o-Xylene	1460	µg/L	21.0	07/15/2022 15:46	
6200B	m,p-Xylene	3830	µg/L	42.0	07/15/2022 15:46	
6200B	Xylene (Total)	5290	µg/L	21.0	07/15/2022 15:46	
MW-1	**V 93801**					
6200B	Benzene	389	µg/L	1.80	07/15/2022 17:46	
6200B	n-Butylbenzene	38.3	µg/L	1.80	07/15/2022 17:46	
6200B	sec-Butyl benzene	22.8	µg/L	2.00	07/15/2022 17:46	
6200B	Ethylbenzene	1560	µg/L	17.0	07/15/2022 18:10	
6200B	Isopropylbenzene	139	µg/L	1.80	07/15/2022 17:46	
6200B	4-Isopropyl toluene	9.49	µg/L	0.890	07/15/2022 17:46	
6200B	Naphthalene	998	µg/L	4.70	07/15/2022 17:46	
6200B	n-Propylbenzene	367	µg/L	1.90	07/15/2022 17:46	
6200B	tert-Amyl Alcohol (TAA)	405	µg/L	19.0	07/15/2022 17:46	
6200B	Toluene	105	µg/L	2.20	07/15/2022 17:46	
6200B	1,2,4-Trimethylbenzene	1560	µg/L	19.0	07/15/2022 18:10	
6200B	1,3,5-Trimethylbenzene	174	µg/L	1.80	07/15/2022 17:46	
6200B	o-Xylene	61.5	µg/L	2.10	07/15/2022 17:46	
6200B	m,p-Xylene	989	µg/L	4.20	07/15/2022 17:46	
6200B	Xylene (Total)	1050	µg/L	2.10	07/15/2022 17:46	

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Summary of Detected Analytes

Project: **Community Stop #2**

Report Number: **22-189-0005**

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
MW-3	**V 93802**					
6200B	Benzene	19.3	µg/L	0.180	07/14/2022 17:59	
6200B	n-Butylbenzene	2.64	µg/L	0.180	07/14/2022 17:59	
6200B	sec-Butyl benzene	2.14	µg/L	0.200	07/14/2022 17:59	
6200B	cis-1,2-Dichloroethene	0.290	µg/L	0.200	07/14/2022 17:59	J
6200B	Ethylbenzene	28.6	µg/L	0.170	07/14/2022 17:59	
6200B	Isopropylbenzene	6.20	µg/L	0.180	07/14/2022 17:59	
6200B	4-Isopropyl toluene	0.666	µg/L	0.089	07/14/2022 17:59	
6200B	Naphthalene	37.9	µg/L	0.470	07/14/2022 17:59	
6200B	n-Propylbenzene	17.4	µg/L	0.190	07/14/2022 17:59	
6200B	tert-Amyl Alcohol (TAA)	8.30	µg/L	1.90	07/14/2022 17:59	J
6200B	Toluene	18.7	µg/L	0.220	07/14/2022 17:59	
6200B	1,2,4-Trimethylbenzene	21.6	µg/L	0.190	07/14/2022 17:59	
6200B	1,3,5-Trimethylbenzene	3.64	µg/L	0.180	07/14/2022 17:59	
6200B	o-Xylene	7.42	µg/L	0.210	07/14/2022 17:59	
6200B	m,p-Xylene	27.5	µg/L	0.420	07/14/2022 17:59	
6200B	Xylene (Total)	34.9	µg/L	0.210	07/14/2022 17:59	
MW-2	**V 93803**					
6200B	Benzene	4760	µg/L	18.0	07/14/2022 21:33	
6200B	n-Butylbenzene	63.4	µg/L	18.0	07/14/2022 21:33	
6200B	sec-Butyl benzene	30.5	µg/L	20.0	07/14/2022 21:33	J
6200B	Ethylbenzene	4190	µg/L	17.0	07/14/2022 21:33	
6200B	Isopropylbenzene	193	µg/L	18.0	07/14/2022 21:33	
6200B	Naphthalene	1970	µg/L	470	07/15/2022 16:34	
6200B	n-Propylbenzene	486	µg/L	19.0	07/14/2022 21:33	
6200B	Styrene	74.2	µg/L	22.0	07/14/2022 21:33	
6200B	tert-Amyl Alcohol (TAA)	1620	µg/L	190	07/14/2022 21:33	
6200B	tert-Amyl Methyl Ether (TAME)	54.3	µg/L	28.0	07/14/2022 21:33	J
6200B	Toluene	8530	µg/L	22.0	07/14/2022 21:33	
6200B	1,2,4-Trimethylbenzene	4950	µg/L	19.0	07/14/2022 21:33	
6200B	1,3,5-Trimethylbenzene	1340	µg/L	18.0	07/14/2022 21:33	
6200B	o-Xylene	4400	µg/L	21.0	07/14/2022 21:33	
6200B	m,p-Xylene	14700	µg/L	42.0	07/14/2022 21:33	
6200B	Xylene (Total)	19100	µg/L	21.0	07/14/2022 21:33	
MW-16	**V 93804**					
6200B	Benzene	2640	µg/L	18.0	07/15/2022 16:10	
6200B	n-Butylbenzene	11.2	µg/L	0.180	07/14/2022 18:22	

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Summary of Detected Analytes

Project: **Community Stop #2**

Report Number: **22-189-0005**

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
MW-16	**V 93804**					
6200B	sec-Butyl benzene	7.73	µg/L	0.200	07/14/2022 18:22	
6200B	Di-Isopropyl Ether (DIPE)	59.7	µg/L	0.500	07/14/2022 18:22	
6200B	Ethanol	44300	µg/L	4200	07/15/2022 16:10	
6200B	Ethylbenzene	1040	µg/L	17.0	07/15/2022 16:10	
6200B	2-Hexanone	4.09	µg/L	0.380	07/14/2022 18:22	
6200B	Isopropylbenzene	41.7	µg/L	0.180	07/14/2022 18:22	
6200B	4-Isopropyl toluene	3.96	µg/L	0.089	07/14/2022 18:22	
6200B	Methyl tert-butyl ether (MTBE)	217	µg/L	14.0	07/15/2022 16:10	
6200B	Naphthalene	468	µg/L	47.0	07/15/2022 16:10	
6200B	n-Propylbenzene	133	µg/L	19.0	07/15/2022 16:10	
6200B	tert-Amyl Alcohol (TAA)	1180	µg/L	190	07/15/2022 16:10	
6200B	tert-Amyl Methyl Ether (TAME)	61.7	µg/L	0.280	07/14/2022 18:22	
6200B	Toluene	4400	µg/L	22.0	07/15/2022 16:10	
6200B	1,2,4-Trimethylbenzene	1080	µg/L	19.0	07/15/2022 16:10	
6200B	1,3,5-Trimethylbenzene	275	µg/L	18.0	07/15/2022 16:10	
6200B	o-Xylene	1340	µg/L	21.0	07/15/2022 16:10	
6200B	m,p-Xylene	3200	µg/L	42.0	07/15/2022 16:10	
6200B	Xylene (Total)	4540	µg/L	21.0	07/15/2022 16:10	

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00087
Geological Resources, Inc.
William Regenthal
113 West Firetower Road, Suite G
Winterville , NC 28590

Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93799**
Sample ID : **Trip Blank**

Matrix: **Aqueous**
Sampled: **7/5/2022 8:52**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	07/14/22 16:00	JLB	V21350
Benzene	<0.180	µg/L	0.180	0.500	1	07/14/22 16:00	JLB	V21350
Bromobenzene	<0.210	µg/L	0.210	0.500	1	07/14/22 16:00	JLB	V21350
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	07/14/22 16:00	JLB	V21350
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	07/14/22 16:00	JLB	V21350
Bromoform	<1.50	µg/L	1.50	5.00	1	07/14/22 16:00	JLB	V21350
Bromomethane	<0.280	µg/L	0.280	1.00	1	07/14/22 16:00	JLB	V21350
n-Butylbenzene	<0.180	µg/L	0.180	0.500	1	07/14/22 16:00	JLB	V21350
sec-Butyl benzene	<0.200	µg/L	0.200	0.500	1	07/14/22 16:00	JLB	V21350
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	07/14/22 16:00	JLB	V21350
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	07/14/22 16:00	JLB	V21350
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 16:00	JLB	V21350
Chlorodibromomethane	<0.190	µg/L	0.190	0.500	1	07/14/22 16:00	JLB	V21350
Chloroethane	<0.430	µg/L	0.430	1.00	1	07/14/22 16:00	JLB	V21350
Chloroform	<0.220	µg/L	0.220	0.500	1	07/14/22 16:00	JLB	V21350
Chloromethane	<0.220	µg/L	0.220	0.500	1	07/14/22 16:00	JLB	V21350
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	07/14/22 16:00	JLB	V21350
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	07/14/22 16:00	JLB	V21350
Di-Isopropyl Ether (DIPE)	<0.500	µg/L	0.500	0.500	1	07/14/22 16:00	JLB	V21350
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	07/14/22 16:00	JLB	V21350
1,2-Dibromoethane	<0.200	µg/L	0.200	0.500	1	07/14/22 16:00	JLB	V21350
Dibromomethane	<0.230	µg/L	0.230	0.500	1	07/14/22 16:00	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Geological Resources, Inc.
William Regenthal
113 West Firetower Road, Suite G
Winterville , NC 28590

Project Community Stop #2

Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93799**
Sample ID : **Trip Blank**

Matrix: **Aqueous**
Sampled: **7/5/2022 8:52**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	07/14/22 16:00	JLB	V21350
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 16:00	JLB	V21350
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	07/14/22 16:00	JLB	V21350
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	07/14/22 16:00	JLB	V21350
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	07/14/22 16:00	JLB	V21350
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	07/14/22 16:00	JLB	V21350
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	07/14/22 16:00	JLB	V21350
cis-1,2-Dichloroethene	<0.200	µg/L	0.200	0.500	1	07/14/22 16:00	JLB	V21350
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	07/14/22 16:00	JLB	V21350
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	07/14/22 16:00	JLB	V21350
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	07/14/22 16:00	JLB	V21350
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	07/14/22 16:00	JLB	V21350
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	07/14/22 16:00	JLB	V21350
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	07/14/22 16:00	JLB	V21350
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	07/14/22 16:00	JLB	V21350
Ethanol	<42.0	µg/L	42.0	200	1	07/14/22 16:00	JLB	V21350
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	07/14/22 16:00	JLB	V21350
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	07/14/22 16:00	JLB	V21350
2-Hexanone	<0.380	µg/L	0.380	1.00	1	07/14/22 16:00	JLB	V21350
Isopropylbenzene	<0.180	µg/L	0.180	0.500	1	07/14/22 16:00	JLB	V21350
4-Isopropyl toluene	<0.089	µg/L	0.089	0.500	1	07/14/22 16:00	JLB	V21350
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	07/14/22 16:00	JLB	V21350

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93799**
Sample ID : **Trip Blank**

Matrix: **Aqueous**
Sampled: **7/5/2022 8:52**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	1.00	1	07/14/22 16:00	JLB	V21350
4-Methyl-2-Pentanone	<0.078	µg/L	0.078	1.00	1	07/14/22 16:00	JLB	V21350
Methylene Chloride	<0.330	µg/L	0.330	2.00	1	07/14/22 16:00	JLB	V21350
Naphthalene	<0.470	µg/L	0.470	1.00	1	07/14/22 16:00	JLB	V21350
n-Propylbenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 16:00	JLB	V21350
Styrene	<0.220	µg/L	0.220	0.500	1	07/14/22 16:00	JLB	V21350
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 16:00	JLB	V21350
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 16:00	JLB	V21350
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	07/14/22 16:00	JLB	V21350
Toluene	<0.220	µg/L	0.220	0.500	1	07/14/22 16:00	JLB	V21350
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	07/14/22 16:00	JLB	V21350
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	07/14/22 16:00	JLB	V21350
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 16:00	JLB	V21350
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	07/14/22 16:00	JLB	V21350
Trichloroethene	<0.180	µg/L	0.180	0.500	1	07/14/22 16:00	JLB	V21350
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	07/14/22 16:00	JLB	V21350
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	07/14/22 16:00	JLB	V21350
1,2,4-Trimethylbenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 16:00	JLB	V21350
1,3,5-Trimethylbenzene	<0.180	µg/L	0.180	0.500	1	07/14/22 16:00	JLB	V21350
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	07/14/22 16:00	JLB	V21350
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	07/14/22 16:00	JLB	V21350
o-Xylene	<0.210	µg/L	0.210	0.500	1	07/14/22 16:00	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93799**
Sample ID : **Trip Blank**

Matrix: **Aqueous**
Sampled: **7/5/2022 8:52**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	07/14/22 16:00	JLB	V21350
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	07/14/22 16:00		V21350
Surrogate: 4-Bromofluorobenzene	99.2		Limits: 70-130%		1	07/14/22 16:00	JLB	V21350
Surrogate: Dibromofluoromethane	98.6		Limits: 70-130%		1	07/14/22 16:00	JLB	V21350
Surrogate: 1,2-Dichloroethane - d4	98.2		Limits: 70-130%		1	07/14/22 16:00	JLB	V21350
Surrogate: Toluene-d8	97.2		Limits: 70-130%		1	07/14/22 16:00	JLB	V21350

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93800**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:32**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	07/14/22 19:10	JLB	6200B
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		1	07/14/22 19:10	JLB	V21350
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		1	07/14/22 19:10	JLB	V21350
Surrogate: 1,2-Dichloroethane - d4	109		Limits: 70-130%		1	07/14/22 19:10	JLB	V21350
Surrogate: Toluene-d8	95.8		Limits: 70-130%		1	07/14/22 19:10	JLB	V21350
Surrogate: 4-Bromofluorobenzene	107		Limits: 70-130%		10	07/15/22 15:22	JLB	V21430
Surrogate: Dibromofluoromethane	99.0		Limits: 70-130%		10	07/15/22 15:22	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	97.2		Limits: 70-130%		10	07/15/22 15:22	JLB	V21430
Surrogate: Toluene-d8	98.0		Limits: 70-130%		10	07/15/22 15:22	JLB	V21430
Surrogate: 4-Bromofluorobenzene	103		Limits: 70-130%		100	07/15/22 15:46	JLB	V21430
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		100	07/15/22 15:46	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	103		Limits: 70-130%		100	07/15/22 15:46	JLB	V21430
Surrogate: Toluene-d8	97.8		Limits: 70-130%		100	07/15/22 15:46	JLB	V21430

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
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Report Date : 07/19/2022
Received : 07/08/2022

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **93800**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:32**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	07/14/22 19:10	JLB	V21350
Benzene	**538**	µg/L	1.80	5.00	10	07/15/22 15:22	JLB	V21430
Bromobenzene	<0.210	µg/L	0.210	0.500	1	07/14/22 19:10	JLB	V21350
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	07/14/22 19:10	JLB	V21350
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	07/14/22 19:10	JLB	V21350
Bromoform	<1.50	µg/L	1.50	5.00	1	07/14/22 19:10	JLB	V21350
Bromomethane	<0.280	µg/L	0.280	1.00	1	07/14/22 19:10	JLB	V21350
n-Butylbenzene	**7.83**	µg/L	0.180	0.500	1	07/14/22 19:10	JLB	V21350
sec-Butyl benzene	**5.00**	µg/L	0.200	0.500	1	07/14/22 19:10	JLB	V21350
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	07/14/22 19:10	JLB	V21350
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	07/14/22 19:10	JLB	V21350
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 19:10	JLB	V21350
Chlorodibromomethane	**0.257 J**	µg/L	0.190	0.500	1	07/14/22 19:10	JLB	V21350
Chloroethane	<0.430	µg/L	0.430	1.00	1	07/14/22 19:10	JLB	V21350
Chloroform	<0.220	µg/L	0.220	0.500	1	07/14/22 19:10	JLB	V21350
Chloromethane	<0.220	µg/L	0.220	0.500	1	07/14/22 19:10	JLB	V21350
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	07/14/22 19:10	JLB	V21350
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	07/14/22 19:10	JLB	V21350
Di-Isopropyl Ether (DIPE)	<0.500	µg/L	0.500	0.500	1	07/14/22 19:10	JLB	V21350
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	07/14/22 19:10	JLB	V21350
1,2-Dibromoethane	**1.56**	µg/L	0.200	0.500	1	07/14/22 19:10	JLB	V21350
Dibromomethane	<0.230	µg/L	0.230	0.500	1	07/14/22 19:10	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93800**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:32**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	07/14/22 19:10	JLB	V21350
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 19:10	JLB	V21350
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	07/14/22 19:10	JLB	V21350
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	07/14/22 19:10	JLB	V21350
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	07/14/22 19:10	JLB	V21350
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	07/14/22 19:10	JLB	V21350
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	07/14/22 19:10	JLB	V21350
cis-1,2-Dichloroethene	<0.200	µg/L	0.200	0.500	1	07/14/22 19:10	JLB	V21350
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	07/14/22 19:10	JLB	V21350
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	07/14/22 19:10	JLB	V21350
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	07/14/22 19:10	JLB	V21350
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	07/14/22 19:10	JLB	V21350
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	07/14/22 19:10	JLB	V21350
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	07/14/22 19:10	JLB	V21350
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	07/14/22 19:10	JLB	V21350
Ethanol	<42.0	µg/L	42.0	200	1	07/14/22 19:10	JLB	V21350
Ethylbenzene	**860**	µg/L	1.70	5.00	10	07/15/22 15:22	JLB	V21430
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	07/14/22 19:10	JLB	V21350
2-Hexanone	**11.9**	µg/L	0.380	1.00	1	07/14/22 19:10	JLB	V21350
Isopropylbenzene	**44.0**	µg/L	0.180	0.500	1	07/14/22 19:10	JLB	V21350
4-Isopropyl toluene	**3.18**	µg/L	0.089	0.500	1	07/14/22 19:10	JLB	V21350
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	07/14/22 19:10	JLB	V21350

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93800**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:32**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	1.00	1	07/14/22 19:10	JLB	V21350
4-Methyl-2-Pentanone	**6.02**	µg/L	0.078	1.00	1	07/14/22 19:10	JLB	V21350
Methylene Chloride	**1.05 J**	µg/L	0.330	2.00	1	07/14/22 19:10	JLB	V21350
Naphthalene	**190**	µg/L	4.70	10.0	10	07/15/22 15:22	JLB	V21430
n-Propylbenzene	**94.5**	µg/L	0.190	0.500	1	07/14/22 19:10	JLB	V21350
Styrene	<0.220	µg/L	0.220	0.500	1	07/14/22 19:10	JLB	V21350
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	07/14/22 19:10	JLB	V21350
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	07/14/22 19:10	JLB	V21350
tert-Amyl Alcohol (TAA)	**138**	µg/L	19.0	100	10	07/15/22 15:22	JLB	V21430
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	07/14/22 19:10	JLB	V21350
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 19:10	JLB	V21350
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 19:10	JLB	V21350
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	07/14/22 19:10	JLB	V21350
Toluene	**4780**	µg/L	22.0	50.0	100	07/15/22 15:46	JLB	V21430
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	07/14/22 19:10	JLB	V21350
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	07/14/22 19:10	JLB	V21350
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 19:10	JLB	V21350
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	07/14/22 19:10	JLB	V21350
Trichloroethene	<0.180	µg/L	0.180	0.500	1	07/14/22 19:10	JLB	V21350
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	07/14/22 19:10	JLB	V21350
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	07/14/22 19:10	JLB	V21350
1,2,4-Trimethylbenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 19:10	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93800**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:32**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**222**	µg/L	1.80	5.00	10	07/15/22 15:22	JLB	V21430
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	07/14/22 19:10	JLB	V21350
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	07/14/22 19:10	JLB	V21350
o-Xylene	**1460**	µg/L	21.0	50.0	100	07/15/22 15:46	JLB	V21430
m,p-Xylene	**3830**	µg/L	42.0	100	100	07/15/22 15:46	JLB	V21430
Xylene (Total)	**5290**	µg/L	21.0	50.0	100	07/15/22 15:46		V21430
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		1	07/14/22 19:10	JLB	V21350
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		1	07/14/22 19:10	JLB	V21350
Surrogate: 1,2-Dichloroethane - d4	109		Limits: 70-130%		1	07/14/22 19:10	JLB	V21350
Surrogate: Toluene-d8	95.8		Limits: 70-130%		1	07/14/22 19:10	JLB	V21350
Surrogate: 4-Bromofluorobenzene	107		Limits: 70-130%		10	07/15/22 15:22	JLB	V21430
Surrogate: Dibromofluoromethane	99.0		Limits: 70-130%		10	07/15/22 15:22	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	97.2		Limits: 70-130%		10	07/15/22 15:22	JLB	V21430
Surrogate: Toluene-d8	98.0		Limits: 70-130%		10	07/15/22 15:22	JLB	V21430
Surrogate: 4-Bromofluorobenzene	103		Limits: 70-130%		100	07/15/22 15:46	JLB	V21430
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		100	07/15/22 15:46	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	103		Limits: 70-130%		100	07/15/22 15:46	JLB	V21430
Surrogate: Toluene-d8	97.8		Limits: 70-130%		100	07/15/22 15:46	JLB	V21430

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2

Information : GRI #2532

Report Date : 07/19/2022
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Report Number : **22-189-0005**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **93801**
Sample ID : **MW-1**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:41**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<10.0	µg/L	10.0	100	10	07/15/22 17:46	JLB	6200B
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		10	07/15/22 17:46	JLB	V21430
Surrogate: Dibromofluoromethane	100		Limits: 70-130%		10	07/15/22 17:46	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	106		Limits: 70-130%		10	07/15/22 17:46	JLB	V21430
Surrogate: Toluene-d8	95.6		Limits: 70-130%		10	07/15/22 17:46	JLB	V21430
Surrogate: 4-Bromofluorobenzene	103		Limits: 70-130%		100	07/15/22 18:10	JLB	V21430
Surrogate: Dibromofluoromethane	97.6		Limits: 70-130%		100	07/15/22 18:10	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	96.6		Limits: 70-130%		100	07/15/22 18:10	JLB	V21430
Surrogate: Toluene-d8	97.8		Limits: 70-130%		100	07/15/22 18:10	JLB	V21430

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93801**
Sample ID : **MW-1**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:41**

Analytical Method: 6200B **Prep Batch(es):** **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<18.0	µg/L	18.0	100	10	07/15/22 17:46	JLB	V21430
Benzene	**389**	µg/L	1.80	5.00	10	07/15/22 17:46	JLB	V21430
Bromobenzene	<2.10	µg/L	2.10	5.00	10	07/15/22 17:46	JLB	V21430
Bromochloromethane	<4.20	µg/L	4.20	10.0	10	07/15/22 17:46	JLB	V21430
Bromodichloromethane	<1.60	µg/L	1.60	5.00	10	07/15/22 17:46	JLB	V21430
Bromoform	<15.0	µg/L	15.0	50.0	10	07/15/22 17:46	JLB	V21430
Bromomethane	<2.80	µg/L	2.80	10.0	10	07/15/22 17:46	JLB	V21430
n-Butylbenzene	**38.3**	µg/L	1.80	5.00	10	07/15/22 17:46	JLB	V21430
sec-Butyl benzene	**22.8**	µg/L	2.00	5.00	10	07/15/22 17:46	JLB	V21430
tert-Butyl benzene	<9.20	µg/L	9.20	20.0	10	07/15/22 17:46	JLB	V21430
Carbon Tetrachloride	<1.80	µg/L	1.80	5.00	10	07/15/22 17:46	JLB	V21430
Chlorobenzene	<1.90	µg/L	1.90	5.00	10	07/15/22 17:46	JLB	V21430
Chlorodibromomethane	<1.90	µg/L	1.90	5.00	10	07/15/22 17:46	JLB	V21430
Chloroethane	<4.30	µg/L	4.30	10.0	10	07/15/22 17:46	JLB	V21430
Chloroform	<2.20	µg/L	2.20	5.00	10	07/15/22 17:46	JLB	V21430
Chloromethane	<2.20	µg/L	2.20	5.00	10	07/15/22 17:46	JLB	V21430
2-Chlorotoluene	<2.00	µg/L	2.00	5.00	10	07/15/22 17:46	JLB	V21430
4-Chlorotoluene	<2.00	µg/L	2.00	5.00	10	07/15/22 17:46	JLB	V21430
Di-Isopropyl Ether (DIPE)	<5.00	µg/L	5.00	5.00	10	07/15/22 17:46	JLB	V21430
1,2-Dibromo-3-Chloropropane	<11.0	µg/L	11.0	20.0	10	07/15/22 17:46	JLB	V21430
1,2-Dibromoethane	<2.00	µg/L	2.00	5.00	10	07/15/22 17:46	JLB	V21430
Dibromomethane	<2.30	µg/L	2.30	5.00	10	07/15/22 17:46	JLB	V21430

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **93801**
Sample ID : **MW-1**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:41**

Analytical Method: 6200B **Prep Batch(es):** **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<2.20	µg/L	2.20	5.00	10	07/15/22 17:46	JLB	V21430
1,3-Dichlorobenzene	<1.90	µg/L	1.90	5.00	10	07/15/22 17:46	JLB	V21430
1,4-Dichlorobenzene	<2.10	µg/L	2.10	5.00	10	07/15/22 17:46	JLB	V21430
Dichlorodifluoromethane	<12.0	µg/L	12.0	50.0	10	07/15/22 17:46	JLB	V21430
1,1-Dichloroethane	<2.40	µg/L	2.40	5.00	10	07/15/22 17:46	JLB	V21430
1,2-Dichloroethane	<1.50	µg/L	1.50	5.00	10	07/15/22 17:46	JLB	V21430
1,1-Dichloroethene	<1.50	µg/L	1.50	5.00	10	07/15/22 17:46	JLB	V21430
cis-1,2-Dichloroethene	<2.00	µg/L	2.00	5.00	10	07/15/22 17:46	JLB	V21430
trans-1,2-Dichloroethene	<1.80	µg/L	1.80	5.00	10	07/15/22 17:46	JLB	V21430
1,2-Dichloropropane	<1.90	µg/L	1.90	5.00	10	07/15/22 17:46	JLB	V21430
1,3-Dichloropropane	<1.30	µg/L	1.30	5.00	10	07/15/22 17:46	JLB	V21430
2,2-Dichloropropane	<2.10	µg/L	2.10	20.0	10	07/15/22 17:46	JLB	V21430
1,1-Dichloropropene	<2.00	µg/L	2.00	5.00	10	07/15/22 17:46	JLB	V21430
cis-1,3-Dichloropropene	<2.10	µg/L	2.10	5.00	10	07/15/22 17:46	JLB	V21430
trans-1,3-Dichloropropene	<1.50	µg/L	1.50	5.00	10	07/15/22 17:46	JLB	V21430
Ethanol	<420	µg/L	420	2000	10	07/15/22 17:46	JLB	V21430
Ethylbenzene	**1560**	µg/L	17.0	50.0	100	07/15/22 18:10	JLB	V21430
Hexachlorobutadiene	<3.50	µg/L	3.50	30.0	10	07/15/22 17:46	JLB	V21430
2-Hexanone	<3.80	µg/L	3.80	10.0	10	07/15/22 17:46	JLB	V21430
Isopropylbenzene	**139**	µg/L	1.80	5.00	10	07/15/22 17:46	JLB	V21430
4-Isopropyl toluene	**9.49**	µg/L	0.890	5.00	10	07/15/22 17:46	JLB	V21430
Methyl Ethyl Ketone (MEK)	<7.10	µg/L	7.10	50.0	10	07/15/22 17:46	JLB	V21430

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93801**
Sample ID : **MW-1**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:41**

Analytical Method: 6200B **Prep Batch(es):** **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	<1.40	µg/L	1.40	10.0	10	07/15/22 17:46	JLB	V21430
4-Methyl-2-Pentanone	<0.780	µg/L	0.780	10.0	10	07/15/22 17:46	JLB	V21430
Methylene Chloride	<3.30	µg/L	3.30	20.0	10	07/15/22 17:46	JLB	V21430
Naphthalene	**998**	µg/L	4.70	10.0	10	07/15/22 17:46	JLB	V21430
n-Propylbenzene	**367**	µg/L	1.90	5.00	10	07/15/22 17:46	JLB	V21430
Styrene	<2.20	µg/L	2.20	5.00	10	07/15/22 17:46	JLB	V21430
tert-Butyl Alcohol (TBA)	<16.0	µg/L	16.0	100	10	07/15/22 17:46	JLB	V21430
tert-Butyl formate (TBF)	<3.50	µg/L	3.50	100	10	07/15/22 17:46	JLB	V21430
tert-Amyl Alcohol (TAA)	**405**	µg/L	19.0	100	10	07/15/22 17:46	JLB	V21430
tert-Amyl Methyl Ether (TAME)	<2.80	µg/L	2.80	100	10	07/15/22 17:46	JLB	V21430
1,1,1,2-Tetrachloroethane	<1.60	µg/L	1.60	5.00	10	07/15/22 17:46	JLB	V21430
1,1,2,2-Tetrachloroethane	<1.60	µg/L	1.60	5.00	10	07/15/22 17:46	JLB	V21430
Tetrachloroethene	<2.20	µg/L	2.20	5.00	10	07/15/22 17:46	JLB	V21430
Toluene	**105**	µg/L	2.20	5.00	10	07/15/22 17:46	JLB	V21430
1,2,3-Trichlorobenzene	<3.80	µg/L	3.80	5.00	10	07/15/22 17:46	JLB	V21430
1,2,4-Trichlorobenzene	<3.10	µg/L	3.10	5.00	10	07/15/22 17:46	JLB	V21430
1,1,1-Trichloroethane	<1.60	µg/L	1.60	5.00	10	07/15/22 17:46	JLB	V21430
1,1,2-Trichloroethane	<0.960	µg/L	0.960	5.00	10	07/15/22 17:46	JLB	V21430
Trichloroethene	<1.80	µg/L	1.80	5.00	10	07/15/22 17:46	JLB	V21430
Trichlorofluoromethane	<1.80	µg/L	1.80	5.00	10	07/15/22 17:46	JLB	V21430
1,2,3-Trichloropropane	<2.70	µg/L	2.70	5.00	10	07/15/22 17:46	JLB	V21430
1,2,4-Trimethylbenzene	**1560**	µg/L	19.0	50.0	100	07/15/22 18:10	JLB	V21430

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93801**
Sample ID : **MW-1**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:41**

Analytical Method: 6200B **Prep Batch(es):** **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**174**	µg/L	1.80	5.00	10	07/15/22 17:46	JLB	V21430
Vinyl Acetate	<10.0	µg/L	10.0	50.0	10	07/15/22 17:46	JLB	V21430
Vinyl Chloride	<1.70	µg/L	1.70	5.00	10	07/15/22 17:46	JLB	V21430
o-Xylene	**61.5**	µg/L	2.10	5.00	10	07/15/22 17:46	JLB	V21430
m,p-Xylene	**989**	µg/L	4.20	10.0	10	07/15/22 17:46	JLB	V21430
Xylene (Total)	**1050**	µg/L	2.10	5.00	10	07/15/22 17:46		V21430
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		10	07/15/22 17:46	JLB	V21430
Surrogate: Dibromofluoromethane	100		Limits: 70-130%		10	07/15/22 17:46	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	106		Limits: 70-130%		10	07/15/22 17:46	JLB	V21430
Surrogate: Toluene-d8	95.6		Limits: 70-130%		10	07/15/22 17:46	JLB	V21430
Surrogate: 4-Bromofluorobenzene	103		Limits: 70-130%		100	07/15/22 18:10	JLB	V21430
Surrogate: Dibromofluoromethane	97.6		Limits: 70-130%		100	07/15/22 18:10	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	96.6		Limits: 70-130%		100	07/15/22 18:10	JLB	V21430
Surrogate: Toluene-d8	97.8		Limits: 70-130%		100	07/15/22 18:10	JLB	V21430

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 07/19/2022
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Report Number : **22-189-0005**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **93802**
Sample ID : **MW-3**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	07/14/22 17:59	JLB	6200B
Surrogate: 4-Bromofluorobenzene	105		Limits: 70-130%		1	07/14/22 17:59	JLB	V21350
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		1	07/14/22 17:59	JLB	V21350
Surrogate: 1,2-Dichloroethane - d4	97.2		Limits: 70-130%		1	07/14/22 17:59	JLB	V21350
Surrogate: Toluene-d8	98.8		Limits: 70-130%		1	07/14/22 17:59	JLB	V21350

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93802**
Sample ID : **MW-3**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:50**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	07/14/22 17:59	JLB	V21350
Benzene	**19.3**	µg/L	0.180	0.500	1	07/14/22 17:59	JLB	V21350
Bromobenzene	<0.210	µg/L	0.210	0.500	1	07/14/22 17:59	JLB	V21350
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	07/14/22 17:59	JLB	V21350
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	07/14/22 17:59	JLB	V21350
Bromoform	<1.50	µg/L	1.50	5.00	1	07/14/22 17:59	JLB	V21350
Bromomethane	<0.280	µg/L	0.280	1.00	1	07/14/22 17:59	JLB	V21350
n-Butylbenzene	**2.64**	µg/L	0.180	0.500	1	07/14/22 17:59	JLB	V21350
sec-Butyl benzene	**2.14**	µg/L	0.200	0.500	1	07/14/22 17:59	JLB	V21350
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	07/14/22 17:59	JLB	V21350
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	07/14/22 17:59	JLB	V21350
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 17:59	JLB	V21350
Chlorodibromomethane	<0.190	µg/L	0.190	0.500	1	07/14/22 17:59	JLB	V21350
Chloroethane	<0.430	µg/L	0.430	1.00	1	07/14/22 17:59	JLB	V21350
Chloroform	<0.220	µg/L	0.220	0.500	1	07/14/22 17:59	JLB	V21350
Chloromethane	<0.220	µg/L	0.220	0.500	1	07/14/22 17:59	JLB	V21350
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	07/14/22 17:59	JLB	V21350
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	07/14/22 17:59	JLB	V21350
Di-Isopropyl Ether (DIPE)	<0.500	µg/L	0.500	0.500	1	07/14/22 17:59	JLB	V21350
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	07/14/22 17:59	JLB	V21350
1,2-Dibromoethane	<0.200	µg/L	0.200	0.500	1	07/14/22 17:59	JLB	V21350
Dibromomethane	<0.230	µg/L	0.230	0.500	1	07/14/22 17:59	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93802**
Sample ID : **MW-3**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:50**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	07/14/22 17:59	JLB	V21350
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 17:59	JLB	V21350
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	07/14/22 17:59	JLB	V21350
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	07/14/22 17:59	JLB	V21350
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	07/14/22 17:59	JLB	V21350
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	07/14/22 17:59	JLB	V21350
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	07/14/22 17:59	JLB	V21350
cis-1,2-Dichloroethene	**0.290 J**	µg/L	0.200	0.500	1	07/14/22 17:59	JLB	V21350
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	07/14/22 17:59	JLB	V21350
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	07/14/22 17:59	JLB	V21350
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	07/14/22 17:59	JLB	V21350
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	07/14/22 17:59	JLB	V21350
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	07/14/22 17:59	JLB	V21350
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	07/14/22 17:59	JLB	V21350
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	07/14/22 17:59	JLB	V21350
Ethanol	<42.0	µg/L	42.0	200	1	07/14/22 17:59	JLB	V21350
Ethylbenzene	**28.6**	µg/L	0.170	0.500	1	07/14/22 17:59	JLB	V21350
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	07/14/22 17:59	JLB	V21350
2-Hexanone	<0.380	µg/L	0.380	1.00	1	07/14/22 17:59	JLB	V21350
Isopropylbenzene	**6.20**	µg/L	0.180	0.500	1	07/14/22 17:59	JLB	V21350
4-Isopropyl toluene	**0.666**	µg/L	0.089	0.500	1	07/14/22 17:59	JLB	V21350
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	07/14/22 17:59	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93802**
Sample ID : **MW-3**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:50**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	1.00	1	07/14/22 17:59	JLB	V21350
4-Methyl-2-Pentanone	<0.078	µg/L	0.078	1.00	1	07/14/22 17:59	JLB	V21350
Methylene Chloride	<0.330	µg/L	0.330	2.00	1	07/14/22 17:59	JLB	V21350
Naphthalene	**37.9**	µg/L	0.470	1.00	1	07/14/22 17:59	JLB	V21350
n-Propylbenzene	**17.4**	µg/L	0.190	0.500	1	07/14/22 17:59	JLB	V21350
Styrene	<0.220	µg/L	0.220	0.500	1	07/14/22 17:59	JLB	V21350
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	07/14/22 17:59	JLB	V21350
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	07/14/22 17:59	JLB	V21350
tert-Amyl Alcohol (TAA)	**8.30 J**	µg/L	1.90	10.0	1	07/14/22 17:59	JLB	V21350
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	07/14/22 17:59	JLB	V21350
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 17:59	JLB	V21350
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 17:59	JLB	V21350
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	07/14/22 17:59	JLB	V21350
Toluene	**18.7**	µg/L	0.220	0.500	1	07/14/22 17:59	JLB	V21350
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	07/14/22 17:59	JLB	V21350
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	07/14/22 17:59	JLB	V21350
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 17:59	JLB	V21350
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	07/14/22 17:59	JLB	V21350
Trichloroethene	<0.180	µg/L	0.180	0.500	1	07/14/22 17:59	JLB	V21350
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	07/14/22 17:59	JLB	V21350
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	07/14/22 17:59	JLB	V21350
1,2,4-Trimethylbenzene	**21.6**	µg/L	0.190	0.500	1	07/14/22 17:59	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2

Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93802**
Sample ID : **MW-3**

Matrix: **Aqueous**
Sampled: **7/5/2022 9:50**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**3.64**	µg/L	0.180	0.500	1	07/14/22 17:59	JLB	V21350
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	07/14/22 17:59	JLB	V21350
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	07/14/22 17:59	JLB	V21350
o-Xylene	**7.42**	µg/L	0.210	0.500	1	07/14/22 17:59	JLB	V21350
m,p-Xylene	**27.5**	µg/L	0.420	1.00	1	07/14/22 17:59	JLB	V21350
Xylene (Total)	**34.9**	µg/L	0.210	0.500	1	07/14/22 17:59		V21350
Surrogate: 4-Bromofluorobenzene	105		Limits: 70-130%		1	07/14/22 17:59	JLB	V21350
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		1	07/14/22 17:59	JLB	V21350
Surrogate: 1,2-Dichloroethane - d4	97.2		Limits: 70-130%		1	07/14/22 17:59	JLB	V21350
Surrogate: Toluene-d8	98.8		Limits: 70-130%		1	07/14/22 17:59	JLB	V21350

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 07/19/2022
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Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93803**
Sample ID : **MW-2**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:03**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	07/14/22 21:33	JLB	6200B
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		100	07/14/22 21:33	JLB	V21350
Surrogate: Dibromofluoromethane	96.0		Limits: 70-130%		100	07/14/22 21:33	JLB	V21350
Surrogate: 1,2-Dichloroethane - d4	94.0		Limits: 70-130%		100	07/14/22 21:33	JLB	V21350
Surrogate: Toluene-d8	100		Limits: 70-130%		100	07/14/22 21:33	JLB	V21350
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		1000	07/15/22 16:34	JLB	V21430
Surrogate: Dibromofluoromethane	99.4		Limits: 70-130%		1000	07/15/22 16:34	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	98.0		Limits: 70-130%		1000	07/15/22 16:34	JLB	V21430
Surrogate: Toluene-d8	98.6		Limits: 70-130%		1000	07/15/22 16:34	JLB	V21430

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
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Information : GRI #2532

Report Date : 07/19/2022
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Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93803**
Sample ID : **MW-2**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:03**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<180	µg/L	180	1000	100	07/14/22 21:33	JLB	V21350
Benzene	**4760**	µg/L	18.0	50.0	100	07/14/22 21:33	JLB	V21350
Bromobenzene	<21.0	µg/L	21.0	50.0	100	07/14/22 21:33	JLB	V21350
Bromochloromethane	<42.0	µg/L	42.0	100	100	07/14/22 21:33	JLB	V21350
Bromodichloromethane	<16.0	µg/L	16.0	50.0	100	07/14/22 21:33	JLB	V21350
Bromoform	<150	µg/L	150	500	100	07/14/22 21:33	JLB	V21350
Bromomethane	<28.0	µg/L	28.0	100	100	07/14/22 21:33	JLB	V21350
n-Butylbenzene	**63.4**	µg/L	18.0	50.0	100	07/14/22 21:33	JLB	V21350
sec-Butyl benzene	**30.5 J**	µg/L	20.0	50.0	100	07/14/22 21:33	JLB	V21350
tert-Butyl benzene	<92.0	µg/L	92.0	200	100	07/14/22 21:33	JLB	V21350
Carbon Tetrachloride	<18.0	µg/L	18.0	50.0	100	07/14/22 21:33	JLB	V21350
Chlorobenzene	<19.0	µg/L	19.0	50.0	100	07/14/22 21:33	JLB	V21350
Chlorodibromomethane	<19.0	µg/L	19.0	50.0	100	07/14/22 21:33	JLB	V21350
Chloroethane	<43.0	µg/L	43.0	100	100	07/14/22 21:33	JLB	V21350
Chloroform	<22.0	µg/L	22.0	50.0	100	07/14/22 21:33	JLB	V21350
Chloromethane	<22.0	µg/L	22.0	50.0	100	07/14/22 21:33	JLB	V21350
2-Chlorotoluene	<20.0	µg/L	20.0	50.0	100	07/14/22 21:33	JLB	V21350
4-Chlorotoluene	<20.0	µg/L	20.0	50.0	100	07/14/22 21:33	JLB	V21350
Di-Isopropyl Ether (DIPE)	<50.0	µg/L	50.0	50.0	100	07/14/22 21:33	JLB	V21350
1,2-Dibromo-3-Chloropropane	<110	µg/L	110	200	100	07/14/22 21:33	JLB	V21350
1,2-Dibromoethane	<20.0	µg/L	20.0	50.0	100	07/14/22 21:33	JLB	V21350
Dibromomethane	<23.0	µg/L	23.0	50.0	100	07/14/22 21:33	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93803**
Sample ID : **MW-2**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:03**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<22.0	µg/L	22.0	50.0	100	07/14/22 21:33	JLB	V21350
1,3-Dichlorobenzene	<19.0	µg/L	19.0	50.0	100	07/14/22 21:33	JLB	V21350
1,4-Dichlorobenzene	<21.0	µg/L	21.0	50.0	100	07/14/22 21:33	JLB	V21350
Dichlorodifluoromethane	<120	µg/L	120	500	100	07/14/22 21:33	JLB	V21350
1,1-Dichloroethane	<24.0	µg/L	24.0	50.0	100	07/14/22 21:33	JLB	V21350
1,2-Dichloroethane	<15.0	µg/L	15.0	50.0	100	07/14/22 21:33	JLB	V21350
1,1-Dichloroethene	<15.0	µg/L	15.0	50.0	100	07/14/22 21:33	JLB	V21350
cis-1,2-Dichloroethene	<20.0	µg/L	20.0	50.0	100	07/14/22 21:33	JLB	V21350
trans-1,2-Dichloroethene	<18.0	µg/L	18.0	50.0	100	07/14/22 21:33	JLB	V21350
1,2-Dichloropropane	<19.0	µg/L	19.0	50.0	100	07/14/22 21:33	JLB	V21350
1,3-Dichloropropane	<13.0	µg/L	13.0	50.0	100	07/14/22 21:33	JLB	V21350
2,2-Dichloropropane	<21.0	µg/L	21.0	200	100	07/14/22 21:33	JLB	V21350
1,1-Dichloropropene	<20.0	µg/L	20.0	50.0	100	07/14/22 21:33	JLB	V21350
cis-1,3-Dichloropropene	<21.0	µg/L	21.0	50.0	100	07/14/22 21:33	JLB	V21350
trans-1,3-Dichloropropene	<15.0	µg/L	15.0	50.0	100	07/14/22 21:33	JLB	V21350
Ethanol	<4200	µg/L	4200	20000	100	07/14/22 21:33	JLB	V21350
Ethylbenzene	**4190**	µg/L	17.0	50.0	100	07/14/22 21:33	JLB	V21350
Hexachlorobutadiene	<35.0	µg/L	35.0	300	100	07/14/22 21:33	JLB	V21350
2-Hexanone	<38.0	µg/L	38.0	100	100	07/14/22 21:33	JLB	V21350
Isopropylbenzene	**193**	µg/L	18.0	50.0	100	07/14/22 21:33	JLB	V21350
4-Isopropyl toluene	<8.90	µg/L	8.90	50.0	100	07/14/22 21:33	JLB	V21350
Methyl Ethyl Ketone (MEK)	<71.0	µg/L	71.0	500	100	07/14/22 21:33	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
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Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93803**
Sample ID : **MW-2**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:03**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	<14.0	µg/L	14.0	100	100	07/14/22 21:33	JLB	V21350
4-Methyl-2-Pentanone	<7.80	µg/L	7.80	100	100	07/14/22 21:33	JLB	V21350
Methylene Chloride	<33.0	µg/L	33.0	200	100	07/14/22 21:33	JLB	V21350
Naphthalene	**1970**	µg/L	470	1000	1000	07/15/22 16:34	JLB	V21430
n-Propylbenzene	**486**	µg/L	19.0	50.0	100	07/14/22 21:33	JLB	V21350
Styrene	**74.2**	µg/L	22.0	50.0	100	07/14/22 21:33	JLB	V21350
tert-Butyl Alcohol (TBA)	<160	µg/L	160	1000	100	07/14/22 21:33	JLB	V21350
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	07/14/22 21:33	JLB	V21350
tert-Amyl Alcohol (TAA)	**1620**	µg/L	190	1000	100	07/14/22 21:33	JLB	V21350
tert-Amyl Methyl Ether (TAME)	**54.3 J**	µg/L	28.0	1000	100	07/14/22 21:33	JLB	V21350
1,1,1,2-Tetrachloroethane	<16.0	µg/L	16.0	50.0	100	07/14/22 21:33	JLB	V21350
1,1,2,2-Tetrachloroethane	<16.0	µg/L	16.0	50.0	100	07/14/22 21:33	JLB	V21350
Tetrachloroethene	<22.0	µg/L	22.0	50.0	100	07/14/22 21:33	JLB	V21350
Toluene	**8530**	µg/L	22.0	50.0	100	07/14/22 21:33	JLB	V21350
1,2,3-Trichlorobenzene	<38.0	µg/L	38.0	50.0	100	07/14/22 21:33	JLB	V21350
1,2,4-Trichlorobenzene	<31.0	µg/L	31.0	50.0	100	07/14/22 21:33	JLB	V21350
1,1,1-Trichloroethane	<16.0	µg/L	16.0	50.0	100	07/14/22 21:33	JLB	V21350
1,1,2-Trichloroethane	<9.60	µg/L	9.60	50.0	100	07/14/22 21:33	JLB	V21350
Trichloroethene	<18.0	µg/L	18.0	50.0	100	07/14/22 21:33	JLB	V21350
Trichlorofluoromethane	<18.0	µg/L	18.0	50.0	100	07/14/22 21:33	JLB	V21350
1,2,3-Trichloropropane	<27.0	µg/L	27.0	50.0	100	07/14/22 21:33	JLB	V21350
1,2,4-Trimethylbenzene	**4950**	µg/L	19.0	50.0	100	07/14/22 21:33	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #2532

Report Date : 07/19/2022
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Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93803**
Sample ID : **MW-2**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:03**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**1340**	µg/L	18.0	50.0	100	07/14/22 21:33	JLB	V21350
Vinyl Acetate	<100	µg/L	100	500	100	07/14/22 21:33	JLB	V21350
Vinyl Chloride	<17.0	µg/L	17.0	50.0	100	07/14/22 21:33	JLB	V21350
o-Xylene	**4400**	µg/L	21.0	50.0	100	07/14/22 21:33	JLB	V21350
m,p-Xylene	**14700**	µg/L	42.0	100	100	07/14/22 21:33	JLB	V21350
Xylene (Total)	**19100**	µg/L	21.0	50.0	100	07/14/22 21:33		V21350
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		100	07/14/22 21:33	JLB	V21350
Surrogate: Dibromofluoromethane	96.0		Limits: 70-130%		100	07/14/22 21:33	JLB	V21350
Surrogate: 1,2-Dichloroethane - d4	94.0		Limits: 70-130%		100	07/14/22 21:33	JLB	V21350
Surrogate: Toluene-d8	100		Limits: 70-130%		100	07/14/22 21:33	JLB	V21350
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		1000	07/15/22 16:34	JLB	V21430
Surrogate: Dibromofluoromethane	99.4		Limits: 70-130%		1000	07/15/22 16:34	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	98.0		Limits: 70-130%		1000	07/15/22 16:34	JLB	V21430
Surrogate: Toluene-d8	98.6		Limits: 70-130%		1000	07/15/22 16:34	JLB	V21430

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Number : **22-189-0005**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **93804**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:12**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	07/14/22 18:22	JLB	6200B
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		1	07/14/22 18:22	JLB	V21350
Surrogate: Dibromofluoromethane	98.0		Limits: 70-130%		1	07/14/22 18:22	JLB	V21350
Surrogate: 1,2-Dichloroethane - d4	99.8		Limits: 70-130%		1	07/14/22 18:22	JLB	V21350
Surrogate: Toluene-d8	98.4		Limits: 70-130%		1	07/14/22 18:22	JLB	V21350
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		100	07/15/22 16:10	JLB	V21430
Surrogate: Dibromofluoromethane	100		Limits: 70-130%		100	07/15/22 16:10	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	101		Limits: 70-130%		100	07/15/22 16:10	JLB	V21430
Surrogate: Toluene-d8	98.2		Limits: 70-130%		100	07/15/22 16:10	JLB	V21430

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #2532

Report Date : 07/19/2022
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Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93804**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:12**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	07/14/22 18:22	JLB	V21350
Benzene	**2640**	µg/L	18.0	50.0	100	07/15/22 16:10	JLB	V21430
Bromobenzene	<0.210	µg/L	0.210	0.500	1	07/14/22 18:22	JLB	V21350
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	07/14/22 18:22	JLB	V21350
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	07/14/22 18:22	JLB	V21350
Bromoform	<1.50	µg/L	1.50	5.00	1	07/14/22 18:22	JLB	V21350
Bromomethane	<0.280	µg/L	0.280	1.00	1	07/14/22 18:22	JLB	V21350
n-Butylbenzene	**11.2**	µg/L	0.180	0.500	1	07/14/22 18:22	JLB	V21350
sec-Butyl benzene	**7.73**	µg/L	0.200	0.500	1	07/14/22 18:22	JLB	V21350
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	07/14/22 18:22	JLB	V21350
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	07/14/22 18:22	JLB	V21350
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 18:22	JLB	V21350
Chlorodibromomethane	<0.190	µg/L	0.190	0.500	1	07/14/22 18:22	JLB	V21350
Chloroethane	<0.430	µg/L	0.430	1.00	1	07/14/22 18:22	JLB	V21350
Chloroform	<0.220	µg/L	0.220	0.500	1	07/14/22 18:22	JLB	V21350
Chloromethane	<0.220	µg/L	0.220	0.500	1	07/14/22 18:22	JLB	V21350
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	07/14/22 18:22	JLB	V21350
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	07/14/22 18:22	JLB	V21350
Di-Isopropyl Ether (DIPE)	**59.7**	µg/L	0.500	0.500	1	07/14/22 18:22	JLB	V21350
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	07/14/22 18:22	JLB	V21350
1,2-Dibromoethane	<0.200	µg/L	0.200	0.500	1	07/14/22 18:22	JLB	V21350
Dibromomethane	<0.230	µg/L	0.230	0.500	1	07/14/22 18:22	JLB	V21350

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Geological Resources, Inc.
William Regenthal
113 West Firetower Road, Suite G
Winterville , NC 28590

Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93804**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:12**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	07/14/22 18:22	JLB	V21350
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	07/14/22 18:22	JLB	V21350
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	07/14/22 18:22	JLB	V21350
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	07/14/22 18:22	JLB	V21350
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	07/14/22 18:22	JLB	V21350
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	07/14/22 18:22	JLB	V21350
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	07/14/22 18:22	JLB	V21350
cis-1,2-Dichloroethene	<0.200	µg/L	0.200	0.500	1	07/14/22 18:22	JLB	V21350
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	07/14/22 18:22	JLB	V21350
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	07/14/22 18:22	JLB	V21350
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	07/14/22 18:22	JLB	V21350
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	07/14/22 18:22	JLB	V21350
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	07/14/22 18:22	JLB	V21350
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	07/14/22 18:22	JLB	V21350
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	07/14/22 18:22	JLB	V21350
Ethanol	**44300**	µg/L	4200	20000	100	07/15/22 16:10	JLB	V21430
Ethylbenzene	**1040**	µg/L	17.0	50.0	100	07/15/22 16:10	JLB	V21430
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	07/14/22 18:22	JLB	V21350
2-Hexanone	**4.09**	µg/L	0.380	1.00	1	07/14/22 18:22	JLB	V21350
Isopropylbenzene	**41.7**	µg/L	0.180	0.500	1	07/14/22 18:22	JLB	V21350
4-Isopropyl toluene	**3.96**	µg/L	0.089	0.500	1	07/14/22 18:22	JLB	V21350
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	07/14/22 18:22	JLB	V21350

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2
Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Danyale Love
Project Manager

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Lab No : **93804**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:12**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	**217**	µg/L	14.0	100	100	07/15/22 16:10	JLB	V21430
4-Methyl-2-Pentanone	<0.078	µg/L	0.078	1.00	1	07/14/22 18:22	JLB	V21350
Methylene Chloride	<0.330	µg/L	0.330	2.00	1	07/14/22 18:22	JLB	V21350
Naphthalene	**468**	µg/L	47.0	100	100	07/15/22 16:10	JLB	V21430
n-Propylbenzene	**133**	µg/L	19.0	50.0	100	07/15/22 16:10	JLB	V21430
Styrene	<0.220	µg/L	0.220	0.500	1	07/14/22 18:22	JLB	V21350
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	07/14/22 18:22	JLB	V21350
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	07/14/22 18:22	JLB	V21350
tert-Amyl Alcohol (TAA)	**1180**	µg/L	190	1000	100	07/15/22 16:10	JLB	V21430
tert-Amyl Methyl Ether (TAME)	**61.7**	µg/L	0.280	10.0	1	07/14/22 18:22	JLB	V21350
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 18:22	JLB	V21350
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 18:22	JLB	V21350
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	07/14/22 18:22	JLB	V21350
Toluene	**4400**	µg/L	22.0	50.0	100	07/15/22 16:10	JLB	V21430
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	07/14/22 18:22	JLB	V21350
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	07/14/22 18:22	JLB	V21350
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	07/14/22 18:22	JLB	V21350
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	07/14/22 18:22	JLB	V21350
Trichloroethene	<0.180	µg/L	0.180	0.500	1	07/14/22 18:22	JLB	V21350
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	07/14/22 18:22	JLB	V21350
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	07/14/22 18:22	JLB	V21350
1,2,4-Trimethylbenzene	**1080**	µg/L	19.0	50.0	100	07/15/22 16:10	JLB	V21430

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Community Stop #2

Information : GRI #2532

Report Date : 07/19/2022
Received : 07/08/2022

Report Number : **22-189-0005**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **93804**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **7/5/2022 10:12**

Analytical Method: 6200B **Prep Batch(es):** **V21348** 07/14/22 09:00 **V21429** 07/15/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**275**	µg/L	18.0	50.0	100	07/15/22 16:10	JLB	V21430
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	07/14/22 18:22	JLB	V21350
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	07/14/22 18:22	JLB	V21350
o-Xylene	**1340**	µg/L	21.0	50.0	100	07/15/22 16:10	JLB	V21430
m,p-Xylene	**3200**	µg/L	42.0	100	100	07/15/22 16:10	JLB	V21430
Xylene (Total)	**4540**	µg/L	21.0	50.0	100	07/15/22 16:10		V21430
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		1	07/14/22 18:22	JLB	V21350
Surrogate: Dibromofluoromethane	98.0		Limits: 70-130%		1	07/14/22 18:22	JLB	V21350
Surrogate: 1,2-Dichloroethane - d4	99.8		Limits: 70-130%		1	07/14/22 18:22	JLB	V21350
Surrogate: Toluene-d8	98.4		Limits: 70-130%		1	07/14/22 18:22	JLB	V21350
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		100	07/15/22 16:10	JLB	V21430
Surrogate: Dibromofluoromethane	100		Limits: 70-130%		100	07/15/22 16:10	JLB	V21430
Surrogate: 1,2-Dichloroethane - d4	101		Limits: 70-130%		100	07/15/22 16:10	JLB	V21430
Surrogate: Toluene-d8	98.2		Limits: 70-130%		100	07/15/22 16:10	JLB	V21430

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Community Stop #2**
Report No: **22-189-0005**

QC Prep: V21348
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21350
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V21348 Matrix: AQU
Associated Lab Samples: 93799, 93800, 93802, 93803, 93804

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	µg/L	<1.80	1.80	10.0	07/14/22 15:36		
Benzene	µg/L	<0.180	0.180	0.500	07/14/22 15:36		
Bromobenzene	µg/L	<0.210	0.210	0.500	07/14/22 15:36		
Bromochloromethane	µg/L	<0.420	0.420	1.00	07/14/22 15:36		
Bromodichloromethane	µg/L	<0.160	0.160	0.500	07/14/22 15:36		
Bromoform	µg/L	<1.50	1.50	5.00	07/14/22 15:36		
Bromomethane	µg/L	<0.280	0.280	1.00	07/14/22 15:36		
n-Butylbenzene	µg/L	<0.180	0.180	0.500	07/14/22 15:36		
sec-Butyl benzene	µg/L	<0.200	0.200	0.500	07/14/22 15:36		
tert-Butyl benzene	µg/L	<0.920	0.920	2.00	07/14/22 15:36		
Carbon Tetrachloride	µg/L	<0.180	0.180	0.500	07/14/22 15:36		
Chlorobenzene	µg/L	<0.190	0.190	0.500	07/14/22 15:36		
Chlorodibromomethane	µg/L	<0.190	0.190	0.500	07/14/22 15:36		
Chloroethane	µg/L	<0.430	0.430	1.00	07/14/22 15:36		
Chloroform	µg/L	<0.220	0.220	0.500	07/14/22 15:36		
Chloromethane	µg/L	<0.220	0.220	0.500	07/14/22 15:36		
2-Chlorotoluene	µg/L	<0.200	0.200	0.500	07/14/22 15:36		
4-Chlorotoluene	µg/L	<0.200	0.200	0.500	07/14/22 15:36		
Di-Isopropyl Ether (DIPE)	µg/L	<0.500	0.500	0.500	07/14/22 15:36		
1,2-Dibromo-3-Chloropropane	µg/L	<1.10	1.10	2.00	07/14/22 15:36		
1,2-Dibromoethane	µg/L	<0.200	0.200	0.500	07/14/22 15:36		
Dibromomethane	µg/L	<0.230	0.230	0.500	07/14/22 15:36		
1,2-Dichlorobenzene	µg/L	<0.220	0.220	0.500	07/14/22 15:36		
1,3-Dichlorobenzene	µg/L	<0.190	0.190	0.500	07/14/22 15:36		
1,4-Dichlorobenzene	µg/L	<0.210	0.210	0.500	07/14/22 15:36		
Dichlorodifluoromethane	µg/L	<1.20	1.20	5.00	07/14/22 15:36		
1,1-Dichloroethane	µg/L	<0.240	0.240	0.500	07/14/22 15:36		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21348
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21350
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V21348 Matrix: AQU
Associated Lab Samples: 93799, 93800, 93802, 93803, 93804

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	07/14/22 15:36		
1,1-Dichloroethene	µg/L	<0.150	0.150	0.500	07/14/22 15:36		
cis-1,2-Dichloroethene	µg/L	<0.200	0.200	0.500	07/14/22 15:36		
trans-1,2-Dichloroethene	µg/L	<0.180	0.180	0.500	07/14/22 15:36		
1,2-Dichloropropane	µg/L	<0.190	0.190	0.500	07/14/22 15:36		
1,3-Dichloropropane	µg/L	<0.130	0.130	0.500	07/14/22 15:36		
2,2-Dichloropropane	µg/L	<0.210	0.210	2.00	07/14/22 15:36		
1,1-Dichloropropene	µg/L	<0.200	0.200	0.500	07/14/22 15:36		
cis-1,3-Dichloropropene	µg/L	<0.210	0.210	0.500	07/14/22 15:36		
trans-1,3-Dichloropropene	µg/L	<0.150	0.150	0.500	07/14/22 15:36		
Ethanol	µg/L	<42.0	42.0	200	07/14/22 15:36		
Ethylbenzene	µg/L	<0.170	0.170	0.500	07/14/22 15:36		
Hexachlorobutadiene	µg/L	<0.350	0.350	3.00	07/14/22 15:36		
2-Hexanone	µg/L	<0.380	0.380	1.00	07/14/22 15:36		
Isopropylbenzene	µg/L	<0.180	0.180	0.500	07/14/22 15:36		
4-Isopropyl toluene	µg/L	<0.089	0.089	0.500	07/14/22 15:36		
Methyl Ethyl Ketone (MEK)	µg/L	<0.710	0.710	5.00	07/14/22 15:36		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	1.00	07/14/22 15:36		
4-Methyl-2-Pentanone	µg/L	<0.078	0.078	1.00	07/14/22 15:36		
Methylene Chloride	µg/L	<0.330	0.330	2.00	07/14/22 15:36		
Naphthalene	µg/L	<0.470	0.470	1.00	07/14/22 15:36		
n-Propylbenzene	µg/L	<0.190	0.190	0.500	07/14/22 15:36		
Styrene	µg/L	<0.220	0.220	0.500	07/14/22 15:36		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	07/14/22 15:36		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	07/14/22 15:36		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	07/14/22 15:36		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	07/14/22 15:36		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21348
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21350
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V21348 Matrix: AQU
Associated Lab Samples: 93799, 93800, 93802, 93803, 93804

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,1,1,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	07/14/22 15:36		
1,1,2,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	07/14/22 15:36		
Tetrachloroethene	µg/L	<0.220	0.220	0.500	07/14/22 15:36		
Toluene	µg/L	<0.220	0.220	0.500	07/14/22 15:36		
1,2,3-Trichlorobenzene	µg/L	<0.380	0.380	0.500	07/14/22 15:36		
1,2,4-Trichlorobenzene	µg/L	<0.310	0.310	0.500	07/14/22 15:36		
1,1,1-Trichloroethane	µg/L	<0.160	0.160	0.500	07/14/22 15:36		
1,1,2-Trichloroethane	µg/L	<0.096	0.096	0.500	07/14/22 15:36		
Trichloroethene	µg/L	<0.180	0.180	0.500	07/14/22 15:36		
Trichlorofluoromethane	µg/L	<0.180	0.180	0.500	07/14/22 15:36		
1,2,3-Trichloropropane	µg/L	<0.270	0.270	0.500	07/14/22 15:36		
1,2,4-Trimethylbenzene	µg/L	<0.190	0.190	0.500	07/14/22 15:36		
1,3,5-Trimethylbenzene	µg/L	<0.180	0.180	0.500	07/14/22 15:36		
Vinyl Acetate	µg/L	<1.00	1.00	5.00	07/14/22 15:36		
Vinyl Chloride	µg/L	<0.170	0.170	0.500	07/14/22 15:36		
o-Xylene	µg/L	<0.210	0.210	0.500	07/14/22 15:36		
m,p-Xylene	µg/L	<0.420	0.420	1.00	07/14/22 15:36		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	07/14/22 15:36		
4-Bromofluorobenzene (S)					07/14/22 15:36	102	70-130
Dibromofluoromethane (S)					07/14/22 15:36	99.4	70-130
1,2-Dichloroethane - d4 (S)					07/14/22 15:36	102	70-130
Toluene-d8 (S)					07/14/22 15:36	97.8	70-130

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21348
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21350
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V21348 LCSD-V21348

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	µg/L	40.0	39.5	38.6	98.7	96.5	40-160	2.3	20.0
Benzene	µg/L	20.0	21.5	20.8	108	104	70-130	3.3	20.0
Bromobenzene	µg/L	20.0	21.7	21.3	109	107	70-130	1.8	20.0
Bromochloromethane	µg/L	20.0	21.7	20.6	109	103	70-130	5.2	20.0
Bromodichloromethane	µg/L	20.0	21.2	20.1	106	101	70-130	5.3	20.0
Bromoform	µg/L	20.0	21.4	21.6	107	108	70-130	0.9	20.0
Bromomethane	µg/L	20.0	23.9	23.8	120	119	60-140	0.4	20.0
n-Butylbenzene	µg/L	20.0	21.7	21.6	109	108	70-130	0.4	20.0
sec-Butyl benzene	µg/L	20.0	21.8	21.4	109	107	70-130	1.8	20.0
tert-Butyl benzene	µg/L	20.0	21.5	20.7	108	104	70-130	3.7	20.0
Carbon Tetrachloride	µg/L	20.0	21.2	19.4	106	97.0	70-130	8.8	20.0
Chlorobenzene	µg/L	20.0	21.7	20.7	109	104	70-130	4.7	20.0
Chlorodibromomethane	µg/L	20.0	21.7	21.6	109	108	70-130	0.4	20.0
Chloroethane	µg/L	20.0	21.4	21.2	107	106	60-140	0.9	20.0
Chloroform	µg/L	20.0	21.1	20.6	106	103	70-130	2.3	20.0
Chloromethane	µg/L	20.0	20.8	21.5	104	108	60-140	3.3	20.0
2-Chlorotoluene	µg/L	20.0	22.3	21.2	112	106	70-130	5.0	20.0
4-Chlorotoluene	µg/L	20.0	21.8	20.3	109	102	70-130	7.1	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	21.1	20.7	106	104	70-130	1.9	20.0
1,2-Dibromo-3-Chloropropane	µg/L	20.0	21.9	22.3	110	112	70-130	1.8	20.0
1,2-Dibromoethane	µg/L	20.0	22.0	21.4	110	107	70-130	2.7	20.0
Dibromomethane	µg/L	20.0	20.7	21.8	104	109	70-130	5.1	20.0
1,2-Dichlorobenzene	µg/L	20.0	21.9	21.3	110	107	70-130	2.7	20.0
1,3-Dichlorobenzene	µg/L	20.0	22.0	21.1	110	106	70-130	4.1	20.0
1,4-Dichlorobenzene	µg/L	20.0	22.1	21.2	111	106	70-130	4.1	20.0
Dichlorodifluoromethane	µg/L	20.0	21.8	21.1	109	106	60-140	3.2	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21348
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21350
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V21348 LCSD-V21348

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,1-Dichloroethane	µg/L	20.0	21.0	20.4	105	102	70-130	2.8	20.0
1,2-Dichloroethane	µg/L	20.0	21.1	20.9	106	105	70-130	0.9	20.0
1,1-Dichloroethene	µg/L	20.0	21.4	20.4	107	102	70-130	4.7	20.0
cis-1,2-Dichloroethene	µg/L	20.0	21.0	20.8	105	104	70-130	0.9	20.0
trans-1,2-Dichloroethene	µg/L	20.0	20.8	20.7	104	104	70-130	0.4	20.0
1,2-Dichloropropane	µg/L	20.0	21.4	21.3	107	107	70-130	0.4	20.0
1,3-Dichloropropane	µg/L	20.0	20.7	21.0	104	105	70-130	1.4	20.0
2,2-Dichloropropane	µg/L	20.0	20.8	20.7	104	104	70-130	0.4	20.0
1,1-Dichloropropene	µg/L	20.0	21.4	21.1	107	106	70-130	1.4	20.0
cis-1,3-Dichloropropene	µg/L	20.0	21.7	21.9	109	110	70-130	0.9	20.0
trans-1,3-Dichloropropene	µg/L	20.0	21.7	21.9	109	110	70-130	0.9	20.0
Ethanol	µg/L	500	489	461	97.8	92.2	60-140	5.8	20.0
Ethylbenzene	µg/L	20.0	21.3	21.0	107	105	70-130	1.4	20.0
Hexachlorobutadiene	µg/L	20.0	20.9	19.3	105	96.5	70-130	7.9	20.0
2-Hexanone	µg/L	20.0	20.8	20.0	104	100	60-140	3.9	20.0
Isopropylbenzene	µg/L	20.0	22.2	21.4	111	107	70-130	3.6	20.0
4-Isopropyl toluene	µg/L	20.0	22.2	21.6	111	108	70-130	2.7	20.0
Methyl Ethyl Ketone (MEK)	µg/L	20.0	21.6	22.3	108	112	60-140	3.1	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	21.7	21.2	109	106	70-130	2.3	20.0
4-Methyl-2-Pentanone	µg/L	20.0	19.9	19.2	99.5	96.0	60-140	3.5	20.0
Methylene Chloride	µg/L	20.0	20.6	20.3	103	102	70-130	1.4	20.0
Naphthalene	µg/L	20.0	20.6	19.8	103	99.0	70-130	3.9	20.0
n-Propylbenzene	µg/L	20.0	22.1	21.1	111	106	70-130	4.6	20.0
Styrene	µg/L	20.0	21.4	21.4	107	107	70-130	0.0	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	38.2	35.4	95.5	88.5	40-140	7.6	20.0
tert-Butyl formate (TBF)	µg/L	40.0	46.9	45.7	117	114	40-140	2.5	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21348
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21350
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V21348 LCSD-V21348

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
tert-Amyl Alcohol (TAA)	µg/L	20.0	21.0	22.2	105	111	40-140	5.5	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	43.9	42.9	110	107	40-140	2.3	20.0
1,1,1,2-Tetrachloroethane	µg/L	20.0	22.0	20.9	110	105	70-130	5.1	20.0
1,1,2,2-Tetrachloroethane	µg/L	20.0	21.4	21.2	107	106	70-130	0.9	20.0
Tetrachloroethene	µg/L	20.0	21.0	20.6	105	103	70-130	1.9	20.0
Toluene	µg/L	20.0	21.6	21.1	108	106	70-130	2.3	20.0
1,2,3-Trichlorobenzene	µg/L	20.0	22.7	20.6	114	103	70-130	9.6	20.0
1,2,4-Trichlorobenzene	µg/L	20.0	21.7	20.8	109	104	70-130	4.2	20.0
1,1,1-Trichloroethane	µg/L	20.0	21.5	20.6	108	103	70-130	4.2	20.0
1,1,2-Trichloroethane	µg/L	20.0	20.9	21.0	105	105	70-130	0.4	20.0
Trichloroethene	µg/L	20.0	21.5	20.6	108	103	70-130	4.2	20.0
Trichlorofluoromethane	µg/L	20.0	20.9	20.7	105	104	60-140	0.9	20.0
1,2,3-Trichloropropane	µg/L	20.0	21.4	19.7	107	98.5	70-130	8.2	20.0
1,2,4-Trimethylbenzene	µg/L	20.0	21.9	21.2	110	106	70-130	3.2	20.0
1,3,5-Trimethylbenzene	µg/L	20.0	22.2	21.3	111	107	70-130	4.1	20.0
Vinyl Acetate	µg/L	20.0	22.8	22.0	114	110	60-140	3.5	20.0
Vinyl Chloride	µg/L	20.0	21.1	21.5	106	108	60-140	1.8	20.0
o-Xylene	µg/L	20.0	21.3	21.2	107	106	70-130	0.4	20.0
m,p-Xylene	µg/L	40.0	44.7	43.6	112	109	70-130	2.4	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	18.1	21.6	90.5	108	70-130	17.6	20.0
4-Bromofluorobenzene (S)					104	101	70-130		
Dibromofluoromethane (S)					99.0	96.6	70-130		
1,2-Dichloroethane - d4 (S)					101	97.4	70-130		
Toluene-d8 (S)					101	101	70-130		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21429
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21430
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V21429 Matrix: AQU
Associated Lab Samples: 93800, 93801, 93803, 93804

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	µg/L	<1.80	1.80	10.0	07/15/22 12:35		
Benzene	µg/L	<0.180	0.180	0.500	07/15/22 12:35		
Bromobenzene	µg/L	<0.210	0.210	0.500	07/15/22 12:35		
Bromochloromethane	µg/L	<0.420	0.420	1.00	07/15/22 12:35		
Bromodichloromethane	µg/L	<0.160	0.160	0.500	07/15/22 12:35		
Bromoform	µg/L	<1.50	1.50	5.00	07/15/22 12:35		
Bromomethane	µg/L	<0.280	0.280	1.00	07/15/22 12:35		
n-Butylbenzene	µg/L	<0.180	0.180	0.500	07/15/22 12:35		
sec-Butyl benzene	µg/L	<0.200	0.200	0.500	07/15/22 12:35		
tert-Butyl benzene	µg/L	<0.920	0.920	2.00	07/15/22 12:35		
Carbon Tetrachloride	µg/L	<0.180	0.180	0.500	07/15/22 12:35		
Chlorobenzene	µg/L	<0.190	0.190	0.500	07/15/22 12:35		
Chlorodibromomethane	µg/L	<0.190	0.190	0.500	07/15/22 12:35		
Chloroethane	µg/L	<0.430	0.430	1.00	07/15/22 12:35		
Chloroform	µg/L	<0.220	0.220	0.500	07/15/22 12:35		
Chloromethane	µg/L	<0.220	0.220	0.500	07/15/22 12:35		
2-Chlorotoluene	µg/L	<0.200	0.200	0.500	07/15/22 12:35		
4-Chlorotoluene	µg/L	<0.200	0.200	0.500	07/15/22 12:35		
Di-Isopropyl Ether (DIPE)	µg/L	<0.500	0.500	0.500	07/15/22 12:35		
1,2-Dibromo-3-Chloropropane	µg/L	<1.10	1.10	2.00	07/15/22 12:35		
1,2-Dibromoethane	µg/L	<0.200	0.200	0.500	07/15/22 12:35		
Dibromomethane	µg/L	<0.230	0.230	0.500	07/15/22 12:35		
1,2-Dichlorobenzene	µg/L	<0.220	0.220	0.500	07/15/22 12:35		
1,3-Dichlorobenzene	µg/L	<0.190	0.190	0.500	07/15/22 12:35		
1,4-Dichlorobenzene	µg/L	<0.210	0.210	0.500	07/15/22 12:35		
Dichlorodifluoromethane	µg/L	<1.20	1.20	5.00	07/15/22 12:35		
1,1-Dichloroethane	µg/L	<0.240	0.240	0.500	07/15/22 12:35		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21429
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21430
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V21429 Matrix: AQU
Associated Lab Samples: 93800, 93801, 93803, 93804

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	07/15/22 12:35		
1,1-Dichloroethene	µg/L	<0.150	0.150	0.500	07/15/22 12:35		
cis-1,2-Dichloroethene	µg/L	<0.200	0.200	0.500	07/15/22 12:35		
trans-1,2-Dichloroethene	µg/L	<0.180	0.180	0.500	07/15/22 12:35		
1,2-Dichloropropane	µg/L	<0.190	0.190	0.500	07/15/22 12:35		
1,3-Dichloropropane	µg/L	<0.130	0.130	0.500	07/15/22 12:35		
2,2-Dichloropropane	µg/L	<0.210	0.210	2.00	07/15/22 12:35		
1,1-Dichloropropene	µg/L	<0.200	0.200	0.500	07/15/22 12:35		
cis-1,3-Dichloropropene	µg/L	<0.210	0.210	0.500	07/15/22 12:35		
trans-1,3-Dichloropropene	µg/L	<0.150	0.150	0.500	07/15/22 12:35		
Ethanol	µg/L	<42.0	42.0	200	07/15/22 12:35		
Ethylbenzene	µg/L	<0.170	0.170	0.500	07/15/22 12:35		
Hexachlorobutadiene	µg/L	<0.350	0.350	3.00	07/15/22 12:35		
2-Hexanone	µg/L	<0.380	0.380	1.00	07/15/22 12:35		
Isopropylbenzene	µg/L	<0.180	0.180	0.500	07/15/22 12:35		
4-Isopropyl toluene	µg/L	<0.089	0.089	0.500	07/15/22 12:35		
Methyl Ethyl Ketone (MEK)	µg/L	<0.710	0.710	5.00	07/15/22 12:35		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	1.00	07/15/22 12:35		
4-Methyl-2-Pentanone	µg/L	<0.078	0.078	1.00	07/15/22 12:35		
Methylene Chloride	µg/L	<0.330	0.330	2.00	07/15/22 12:35		
Naphthalene	µg/L	<0.470	0.470	1.00	07/15/22 12:35		
n-Propylbenzene	µg/L	<0.190	0.190	0.500	07/15/22 12:35		
Styrene	µg/L	<0.220	0.220	0.500	07/15/22 12:35		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	07/15/22 12:35		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	07/15/22 12:35		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	07/15/22 12:35		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	07/15/22 12:35		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21429
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21430
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V21429 Matrix: AQU
Associated Lab Samples: 93800, 93801, 93803, 93804

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,1,1,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	07/15/22 12:35		
1,1,2,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	07/15/22 12:35		
Tetrachloroethene	µg/L	<0.220	0.220	0.500	07/15/22 12:35		
Toluene	µg/L	0.245	0.220	0.500	07/15/22 12:35		
1,2,3-Trichlorobenzene	µg/L	<0.380	0.380	0.500	07/15/22 12:35		
1,2,4-Trichlorobenzene	µg/L	<0.310	0.310	0.500	07/15/22 12:35		
1,1,1-Trichloroethane	µg/L	<0.160	0.160	0.500	07/15/22 12:35		
1,1,2-Trichloroethane	µg/L	<0.096	0.096	0.500	07/15/22 12:35		
Trichloroethene	µg/L	<0.180	0.180	0.500	07/15/22 12:35		
Trichlorofluoromethane	µg/L	<0.180	0.180	0.500	07/15/22 12:35		
1,2,3-Trichloropropane	µg/L	<0.270	0.270	0.500	07/15/22 12:35		
1,2,4-Trimethylbenzene	µg/L	<0.190	0.190	0.500	07/15/22 12:35		
1,3,5-Trimethylbenzene	µg/L	<0.180	0.180	0.500	07/15/22 12:35		
Vinyl Acetate	µg/L	<1.00	1.00	5.00	07/15/22 12:35		
Vinyl Chloride	µg/L	<0.170	0.170	0.500	07/15/22 12:35		
o-Xylene	µg/L	<0.210	0.210	0.500	07/15/22 12:35		
m,p-Xylene	µg/L	<0.420	0.420	1.00	07/15/22 12:35		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	07/15/22 12:35		
4-Bromofluorobenzene (S)					07/15/22 12:35	102	70-130
Dibromofluoromethane (S)					07/15/22 12:35	100	70-130
1,2-Dichloroethane - d4 (S)					07/15/22 12:35	99.2	70-130
Toluene-d8 (S)					07/15/22 12:35	96.6	70-130

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21429
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21430
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V21429 LCSD-V21429

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	µg/L	40.0	40.5	39.9	101	99.7	40-160	1.4	20.0
Benzene	µg/L	20.0	22.3	21.8	112	109	70-130	2.2	20.0
Bromobenzene	µg/L	20.0	20.7	20.2	104	101	70-130	2.4	20.0
Bromochloromethane	µg/L	20.0	22.3	21.2	112	106	70-130	5.0	20.0
Bromodichloromethane	µg/L	20.0	21.1	21.2	106	106	70-130	0.4	20.0
Bromoform	µg/L	20.0	21.8	20.7	109	104	70-130	5.1	20.0
Bromomethane	µg/L	20.0	21.6	21.8	108	109	60-140	0.9	20.0
n-Butylbenzene	µg/L	20.0	21.0	20.6	105	103	70-130	1.9	20.0
sec-Butyl benzene	µg/L	20.0	20.7	20.3	104	102	70-130	1.9	20.0
tert-Butyl benzene	µg/L	20.0	20.3	19.6	102	98.0	70-130	3.5	20.0
Carbon Tetrachloride	µg/L	20.0	19.5	20.7	97.5	104	70-130	5.9	20.0
Chlorobenzene	µg/L	20.0	20.5	20.5	103	103	70-130	0.0	20.0
Chlorodibromomethane	µg/L	20.0	20.3	21.0	102	105	70-130	3.3	20.0
Chloroethane	µg/L	20.0	22.7	23.0	114	115	60-140	1.3	20.0
Chloroform	µg/L	20.0	21.7	20.9	109	105	70-130	3.7	20.0
Chloromethane	µg/L	20.0	18.8	17.9	94.0	89.5	60-140	4.9	20.0
2-Chlorotoluene	µg/L	20.0	20.8	20.3	104	102	70-130	2.4	20.0
4-Chlorotoluene	µg/L	20.0	20.5	20.1	103	101	70-130	1.9	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	20.5	20.0	103	100	70-130	2.4	20.0
1,2-Dibromo-3-Chloropropane	µg/L	20.0	22.6	21.7	113	109	70-130	4.0	20.0
1,2-Dibromoethane	µg/L	20.0	22.7	22.2	114	111	70-130	2.2	20.0
Dibromomethane	µg/L	20.0	21.3	21.5	107	108	70-130	0.9	20.0
1,2-Dichlorobenzene	µg/L	20.0	20.8	19.8	104	99.0	70-130	4.9	20.0
1,3-Dichlorobenzene	µg/L	20.0	20.8	20.5	104	103	70-130	1.4	20.0
1,4-Dichlorobenzene	µg/L	20.0	20.8	20.4	104	102	70-130	1.9	20.0
Dichlorodifluoromethane	µg/L	20.0	20.5	19.6	103	98.0	60-140	4.4	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21429
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21430
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V21429 LCSD-V21429

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,1-Dichloroethane	µg/L	20.0	20.6	20.7	103	104	70-130	0.4	20.0
1,2-Dichloroethane	µg/L	20.0	20.9	20.8	105	104	70-130	0.4	20.0
1,1-Dichloroethene	µg/L	20.0	21.2	20.3	106	102	70-130	4.3	20.0
cis-1,2-Dichloroethene	µg/L	20.0	20.7	20.4	104	102	70-130	1.4	20.0
trans-1,2-Dichloroethene	µg/L	20.0	20.9	20.6	105	103	70-130	1.4	20.0
1,2-Dichloropropane	µg/L	20.0	21.5	20.7	108	104	70-130	3.7	20.0
1,3-Dichloropropane	µg/L	20.0	21.4	21.2	107	106	70-130	0.9	20.0
2,2-Dichloropropane	µg/L	20.0	21.0	20.6	105	103	70-130	1.9	20.0
1,1-Dichloropropene	µg/L	20.0	21.7	21.2	109	106	70-130	2.3	20.0
cis-1,3-Dichloropropene	µg/L	20.0	22.8	22.4	114	112	70-130	1.7	20.0
trans-1,3-Dichloropropene	µg/L	20.0	22.8	22.4	114	112	70-130	1.7	20.0
Ethanol	µg/L	500	542	595	108	119	60-140	9.3	20.0
Ethylbenzene	µg/L	20.0	20.4	20.3	102	102	70-130	0.4	20.0
Hexachlorobutadiene	µg/L	20.0	18.8	18.6	94.0	93.0	70-130	1.0	20.0
2-Hexanone	µg/L	20.0	21.8	20.3	109	102	60-140	7.1	20.0
Isopropylbenzene	µg/L	20.0	20.6	20.0	103	100	70-130	2.9	20.0
4-Isopropyl toluene	µg/L	20.0	21.0	20.3	105	102	70-130	3.3	20.0
Methyl Ethyl Ketone (MEK)	µg/L	20.0	22.9	19.5	115	97.5	60-140	16.0	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	23.7	22.7	119	114	70-130	4.3	20.0
4-Methyl-2-Pentanone	µg/L	20.0	21.0	20.1	105	101	60-140	4.3	20.0
Methylene Chloride	µg/L	20.0	19.6	19.4	98.0	97.0	70-130	1.0	20.0
Naphthalene	µg/L	20.0	23.7	22.4	119	112	70-130	5.6	20.0
n-Propylbenzene	µg/L	20.0	20.5	20.4	103	102	70-130	0.4	20.0
Styrene	µg/L	20.0	21.4	21.2	107	106	70-130	0.9	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	39.2	36.8	98.0	92.0	40-140	6.3	20.0
tert-Butyl formate (TBF)	µg/L	40.0	50.1	48.8	125	122	40-140	2.6	20.0

Waypoint ANALYTICAL
449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Community Stop #2
Report No: 22-189-0005

QC Prep: V21429
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V21430
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V21429 LCSD-V21429

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
tert-Amyl Alcohol (TAA)	µg/L	20.0	23.6	19.9	118	99.5	40-140	17.0	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	47.5	46.4	119	116	40-140	2.3	20.0
1,1,1,2-Tetrachloroethane	µg/L	20.0	20.8	20.3	104	102	70-130	2.4	20.0
1,1,2,2-Tetrachloroethane	µg/L	20.0	22.1	21.0	111	105	70-130	5.1	20.0
Tetrachloroethene	µg/L	20.0	19.6	19.8	98.0	99.0	70-130	1.0	20.0
Toluene	µg/L	20.0	21.5	21.5	108	108	70-130	0.0	20.0
1,2,3-Trichlorobenzene	µg/L	20.0	23.5	21.6	118	108	70-130	8.4	20.0
1,2,4-Trichlorobenzene	µg/L	20.0	21.8	21.0	109	105	70-130	3.7	20.0
1,1,1-Trichloroethane	µg/L	20.0	20.6	20.7	103	104	70-130	0.4	20.0
1,1,2-Trichloroethane	µg/L	20.0	22.1	21.7	111	109	70-130	1.8	20.0
Trichloroethene	µg/L	20.0	20.7	21.3	104	107	70-130	2.8	20.0
Trichlorofluoromethane	µg/L	20.0	21.5	21.2	108	106	60-140	1.4	20.0
1,2,3-Trichloropropane	µg/L	20.0	20.3	19.1	102	95.5	70-130	6.0	20.0
1,2,4-Trimethylbenzene	µg/L	20.0	20.9	20.2	105	101	70-130	3.4	20.0
1,3,5-Trimethylbenzene	µg/L	20.0	20.7	20.8	104	104	70-130	0.4	20.0
Vinyl Acetate	µg/L	20.0	24.2	23.3	121	117	60-140	3.7	20.0
Vinyl Chloride	µg/L	20.0	21.3	20.9	107	105	60-140	1.8	20.0
o-Xylene	µg/L	20.0	20.7	20.8	104	104	70-130	0.4	20.0
m,p-Xylene	µg/L	40.0	43.3	43.3	108	108	70-130	0.0	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	19.2	19.3	96.0	96.5	70-130	0.5	20.0
4-Bromofluorobenzene (S)					102	102	70-130		
Dibromofluoromethane (S)					103	101	70-130		
1,2-Dichloroethane - d4 (S)					102	99.8	70-130		
Toluene-d8 (S)					99.6	99.4	70-130		

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Shipment Receipt Form

Customer Number: **00087**
Customer Name: **Geological Resources, Inc.**
Report Number: **22-189-0005**

Shipping Method

(●) Fed Ex ( ) US Postal ( ) Lab ( ) Other :
( ) UPS ( ) Client ( ) Courier Thermometer ID: IRT15 2.9C

Shipping container/cooler uncompromised?	(●) Yes	( ) No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	(●) Yes	( ) No	( ) Not Present
Custody seals intact on sample bottles?	( ) Yes	( ) No	(●) Not Present
Chain of Custody (COC) present?	(●) Yes	( ) No	
COC agrees with sample label(s)?	(●) Yes	( ) No	
COC properly completed	(●) Yes	( ) No	
Samples in proper containers?	(●) Yes	( ) No	
Sample containers intact?	(●) Yes	( ) No	
Sufficient sample volume for indicated test(s)?	(●) Yes	( ) No	
All samples received within holding time?	(●) Yes	( ) No	
Cooler temperature in compliance?	(●) Yes	( ) No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	(●) Yes	( ) No	
Water - Sample containers properly preserved	(●) Yes	( ) No	( ) N/A
Water - VOA vials free of headspace	(●) Yes	( ) No	( ) N/A
Trip Blanks received with VOAs	(●) Yes	( ) No	( ) N/A
Soil VOA method 5035 – compliance criteria met	( ) Yes	( ) No	(●) N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	( ) Yes	(●) No

Comments:

Signature: Angelo Norvell Date & Time: 07/08/2022 13:17:46

Waypoint ANALYTICAL

449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING:

Client Company Name: GRI
Report To/Contact Name: William Regenthal
Reporting Address: 113 W Fireton-1 Rd Suite 6 Winterville NC 28590
Phone: (704) 845-4060 Fax (Yes)(No):
Email Address:
EDD Type: PDF___ Excel___ Other
Site Location Name: Community Stop #2
Site Location Physical Address:

Project Name: (2532) Community Stop #2
Short Hold Analysis (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To:
Address:

Purchase Order No./Billing Reference
Requested Due Date ❑ 1 Day ❑ 2 Days ❑ 3 Days ❑ 4 Days ☒ 5 Days
"Working Days" ❑ 6-9 Days ❑ Standard 10 days ❑ Rush Work Must Be Pre Approved
Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	X		
Received IN ICE?	X		
PROPER PRESERVATIVES indicated?	X		
Received WITHIN HOLDING TIMES?	X		
CUSTODY SEALS INTACT?	X		
VOLATILES rec'd W/OUT HEADSPACE?	X		
PROPER CONTAINERS used?	X		

TEMP: Therm ID: PRF-15 Observed 2.9 °C /Corr.___ °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NC X SC___
Other___ N/A___
Water Chlorinated: YES___ NO___
Samples Iced Upon Collection: YES X NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 6200B	6200B+ OXY					REMARKS	ID NO.
Trip Blank	7-5-22	0852	—		2			X							
MW-8	7-5-22	0932	GW		3				X						
MW-1	7-5-22	0941	GW		3				X						
MW-3	7-5-22	0950	GW		3				X						
MW-2	7-5-22	1003	GW		3				X						
MW-16	7-5-22	1012	GW		3				X						

Geological Resources, Inc.
Community Stop #2
22-189-0005
00087
07-08-2022
11:55:43

PRESS DOWN FIRMLY - 2 COPIES

Sampler's Signature [signature] Sampled By (Print Name) Jacob Brooks Affiliation GRI

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature]			
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Waypoint Analytical By: [signature]	Date 7/8/22	1040

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
☒ Fed Ex ❑ UPS ❑ Hand-delivered ❑ Waypoint Analytical Field Service ❑ Other

COC Group No.

Additional Comments: NCTF Site

LAB USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	BRWNFLD	LANDFILL	OTHER:
❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC
❑	❑	❑	❑	❑	❑	❑	❑	❑

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

APPENDIX C

Contaminant Mass Calculations

APPENDIX C
PERCENTAGE REDUCTIONS
COMMUNITY STOP #2 (INCIDENT NO. 29451)

Baseline Event									
Area ID	**Well IDs**	**Area (ft^2)**	**Average Well Depth** (ft.)	**Average Depth to Water** (ft.)	**Water Column Height (ft)**	**Volume (ft^3)**	**Volume (L)**	**Effective Porosity**	**Effective Volume (L)**
1	MW-2	1,261.79	16	6.37	9.63	12,151	344,079	0.20	68,816
2	MW-1	6,689.15	20	7.23	12.77	85,420	2,418,834		483,767
3	MW-3 MW-8	22,975.12	15.5	8.75	6.75	155,082	4,391,428		878,286

Area	**Date**	**Well**	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**MTBE**	**Naphthalene**	**Total**	**DTW**	**Avrage Water Collmn Height (ft.)**	**Total Average Mass (g)**	**Percent Red.**	**To Date Red.**
Area 1	05/13/11	MW-2	7,700.00	20,000.00	3,530.00	17,540.00	1,210.00	843.00	50,823.00	6.37	9.63	3,497.42	---	---
	12/13/12		9,200.00	32,500.00	4,130.00	26,610.00	381.00	2,520.00	75,341.00	7.93	8.07	4,344.76	**-24.2%**	**-24.2%**
	03/14/13		8,720.00	21,400.00	3,680.00	19,600.00	396.00	977.00	54,773.00	4.71	11.29	4,418.98	-1.7%	**-26.3%**
	06/19/13		8,950.00	23,300.00	4,260.00	23,500.00	362.00	1,010.00	61,382.00	4.92	11.08	4,860.06	**-10.0%**	**-39.0%**
	09/17/13		9,490.00	28,200.00	4,350.00	22,200.00	208.00	1,050.00	65,498.00	6.51	9.49	4,441.76	**8.6%**	**-27.0%**
	03/04/14		9,400.00	23,200.00	4,370.00	23,000.00	398.00	1,010.00	61,378.00	4.14	11.86	5,201.86	-17.1%	**-48.7%**
	09/16/14		7,160.00	21,300.00	3,690.00	21,300.00	168.00	841.00	54,459.00	5.69	10.31	4,012.26	22.9%	**-14.7%**
	03/11/15		8,000.00	20,200.00	4,400.00	21,900.00	268.00	1,070.00	55,838.00	3.62	12.38	4,939.83	**-23.1%**	**-41.2%**
	03/21/16		6,940.00	23,100.00	5,370.00	26,200.00	55.10	1,750.00	63,415.10	4.21	11.79	5,342.79	**-8.2%**	**-52.8%**
	02/21/20		4,300.00	2,400.00	2,460.00	12,400.00	0.00	1,040.00	22,600.00	3.28	12.72	2,054.27	61.6%	41.3%
	09/29/20		4,700.00	1,580.00	2,690.00	8,440.00	25.30	994.00	18,429.30	4.56	11.44	1,506.59	26.7%	56.9%
	05/04/21		5,970.00	791 .00	3,270.00	13,866.00	0	1,470.00	24,576.00	5.27	10.73	1,884.40	-25.1%	46.1%
Area 1 (new)	12/13/21	MW-2	3,840.00	376.00	2,510.00	8,770.00	0	1,380.00	16,876.00	10.10	6.20	944.63	---	---
		MW-16	6540.00	3,140	2390.00	11000.00	1750.00	946.00	25,766.00	9.50				
		Avg.	5,190.00	1,758.00	2,450.00	9,885.00	875.00	1,163.00	21,321.00	9.80				
	03/10/22	MW-2	5,560.00	6,840.00	2,900.00	17,600.00	0.00	1,110.00	34,010.00	5.85	9.58	1,945.74	-106.0%	-106.0%
		MW-16	4,430.00	7,090.00	2,100.00	8,580.00	127.00	537.00	22,864.00	7.00				
		Avg.	4,995.00	6,965.00	2,500.00	13,090.00	63.50	823.50	28,437.00	6.43				
	04/11/22	MW-2	3,910.00	12,100.00	3,540.00	18,090.00	0.00	1,140.00	38,780.00	4.98	11.33	2,181.41	-12.1%	-130.9%
		MW-16	2,790.00	3,200.00	2,090.00	6,070.00	53.4	956.00	15,106.00	4.36				
		Avg.	3,350.00	7,650.00	2,815.00	12,080.00	0.00	1,048.00	26,943.00	4.67				
	07/05/22	MW-2	4,760	8,530	4,190	19,100	0.00	1,970	38,550.00	7.86	8.35	1,546.14	29.1%	-63.7%
		MW-16	2,640.00	4,400.00	1,040.00	4,540.00	217.00	468.00	13,305.00	7.45				
		Avg.	3,700.00	6,465.00	2,615.00	11,820.00	108.50	1,219.00	25,927.50	7.66				
Area 2	05/13/11	MW-1	1,430.00	4,510.00	2,100.00	9,290.00	253.00	1,080.00	18,663.00	7.23	12.77	9,028.54	---	---
	12/13/12		2,400.00	3,700.00	2,040.00	10,020.00	587.00	1,050.00	19,797.00	8.44	11.56	8,669.67	**4.0%**	**4.0%**
	03/14/13		1,860.00	2,450.00	2,120.00	9,280.00	347.00	1,150.00	17,207.00	5.38	14.62	9,530.10	-9.9%	-5.6%
	06/19/13		1,800.00	2,450.00	2,190.00	9,380.00	329.00	1,070.00	17,219.00	4.31	15.69	10,234.72	**-7.4%**	-13.4%
	09/17/13		2,300.00	2,320.00	2,250.00	9,320.00	556.00	1,080.00	17,826.00	7.54	12.46	8,414.28	**17.8%**	6.8%
	03/04/14		1,670.00	1,450.00	2,410.00	8,460.00	382.00	1,170.00	15,542.00	5.15	14.85	8,743.36	-3.9%	3.2%
	09/16/14		1,460.00	1,760.00	2,150.00	9,150.00	240.00	1,200.00	15,960.00	5.64	14.36	8,682.25	**0.7%**	3.8%
	03/11/15		1,660.00	949.00	2,370.00	8,100.00	287.00	1,080.00	14,446.00	4.38	15.62	8,548.18	1.5%	5.3%
	03/21/16		1,620.00	1,610.00	2,950.00	10,300.00	128.00	1,620.00	18,228.00	4.96	15.04	10,385.61	**-21.5%**	-15.0%
	02/21/20		451.00	131.00	1,840.00	2,910.00	0.00	1,030.00	6,362.00	4.44	15.56	3,750.15	63.9%	58.5%
	09/29/20		461.00	138.00	1780.00	2650.00	0.00	1160.00	6,189.00	5.10	14.90	3,493.43	6.8%	61.3%
	05/04/21		611	190	1,720.00	2,187.00	0.00	1,040.00	5,748.00	6.06	13.94	3,035.46	13.1%	66.4%
	12/13/21		195	153	1,550.00	2,500.00	0.00	972.00	5,370.00	10.15	9.85	2,003.81	34.0%	77.8%
	07/05/22		389	105	1560	1050	0	998	4,102.00	8.44	11.56	1,796.38	10.4%	80.1%

APPENDIX C
PERCENTAGE REDUCTIONS
COMMUNITY STOP #2 (INCIDENT NO. 29451)

Baseline Event									
Area ID	**Well IDs**	**Area (ft^2)**	**Average Well Depth** (ft.)	**Average Depth to Water** (ft.)	**Water Column Height (ft)**	**Volume (ft^3)**	**Volume (L)**	**Effective Porosity**	**Effective Volume (L)**
1	MW-2	1,261.79	16	6.37	9.63	12,151	344,079	0.20	68,816
2	MW-1	6,689.15	20	7.23	12.77	85,420	2,418,834		483,767
3	MW-3 MW-8	22,975.12	15.5	8.75	6.75	155,082	4,391,428		878,286

Area	**Date**	**Well**	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**MTBE**	**Naphthalene**	**Total**	**DTW**	**Avrage Water Collmn Height (ft.)**	**Total Average Mass (g)**	**Percent Red.**	**To Date Red.**
Area 3	05/13/11	MW-3	117.00	3.60	131.00	119.40	7.00	56.10	434.10	10.93	6.94	4,667.89	---	---
		MW-8	355.00	3,830.00	972.00	4,590.00	6.90	158.00	9,911.90	6.20				
		Avg.	236.00	1,916.80	551.50	2,354.70	6.95	107.05	5,173.00	8.57				
	12/13/12	MW-3	140.00	2.30	252.00	4.90	4.70	314.00	717.90	8.95	7.34	7,439.82	**-59.4%**	**-59.4%**
		MW-8	766.00	4,980.00	1,350.00	7,570.00	0.00	196.00	14,862.00	7.37				
		Avg.	453.00	2,491.15	801.00	3,787.45	2.35	255.00	7,789.95	8.16				
	03/14/13	MW-3	148.00	1.00	200.00	8.60	4.30	189.00	550.90	5.93	10.37	4,575.43	38.5%	2.0%
		MW-8	281.00	1,810.00	707.00	3,290.00	0.00	143.00	6,231.00	4.33				
		Avg.	214.50	905.50	453.50	1,649.30	2.15	166.00	3,390.95	5.13				
	06/19/13	MW-3	178.00	2.20	227.00	69.90	6.00	149.00	632.10	5.81	11.04	2,047.36	55.3%	56.1%
		MW-8	83.90	524.00	286.00	1,250.00	0.00	75.80	2,219.70	3.12				
		Avg.	130.95	263.10	256.50	659.95	3.00	112.40	1,425.90	4.47				
	09/17/13	MW-3	187.00	1.20	265.00	10.10	4.60	196.00	663.90	7.79	8.34	8,454.51	**-312.9%**	**-81.1%**
		MW-8	934.00	4,870.00	1,490.00	7,360.00	0.00	264.00	14,918.00	6.53				
		Avg.	560.50	2,435.60	877.50	3,685.05	2.30	230.00	7,790.95	7.16				
	03/04/14	MW-3	144.00	0.89	192.00	17.60	4.70	132.00	491.19	5.76	10.56	2,578.40	69.5%	44.8%
		MW-8	201.00	1,030.00	243.00	1,720.00	0.64	69.00	3,263.64	4.13				
		Avg.	172.50	515.45	217.50	868.80	2.67	100.50	1,877.42	4.95				
	09/16/14	MW-3	125.00	0.73	198.00	6.50	3.60	177.00	510.83	5.88	10.30	2,552.29	**1.0%**	45.3%
		MW-8	180.00	722.00	321.00	1,970.00	0.00	105.00	3,298.00	4.52				
		Avg.	152.50	361.37	259.50	988.25	1.80	141.00	1,904.42	5.20				
	03/11/15	MW-3	108.00	0.59	77.00	6.70	3.40	104.00	299.69	5.23	11.23	1,594.39	37.5%	65.8%
		MW-8	138.00	491.00	193.00	1,010.00	0.00	50.60	1,882.60	3.31				
		Avg.	123.00	245.80	135.00	508.35	1.70	77.30	1,091.15	4.27				
	03/21/16	MW-3	105.00	0.40	187.00	1.00	3.10	144.00	440.50	5.63	10.57	9,065.14	**-468.6%**	**-94.2%**
		MW-8	1,030.00	5,430.00	952.00	5,120.00	0.00	210.00	12,742.00	4.23				
		Avg.	567.50	2,715.20	569.50	2,560.50	1.55	177.00	6,591.25	4.93				
	02/21/20	MW-3	22.10	0.00	20.30	0.00	0.23	36.90	79.53	3.49	12.47	2,058.23	77.3%	55.9%
		MW-8	232.00	618.00	295.00	1,220.00	0.00	92.50	2,457.50	2.57				
		Avg.	127.05	309.00	157.65	610.00	0.12	64.70	1,268.52	3.03				
	09/29/20	MW-3	58.40	0.00	34.10	0.00	0.79	125.00	218.29	5.65	10.64	3,314.72	**-61.0%**	29.0%
		MW-8	406.00	1720.00	449.00	1,900.00	0.00	97.50	4,572.50	4.08				
		Avg.	232.20	860.00	241.55	950.00	0.40	111.25	2,395.40	4.87				

APPENDIX C
PERCENTAGE REDUCTIONS
COMMUNITY STOP #2 (INCIDENT NO. 29451)

Baseline Event									
Area ID	**Well IDs**	**Area (ft^2)**	**Average Well Depth** (ft.)	**Average Depth to Water** (ft.)	**Water Column Height (ft)**	**Volume (ft^3)**	**Volume (L)**	**Effective Porosity**	**Effective Volume (L)**
1	MW-2	1,261.79	16	6.37	9.63	12,151	344,079	0.20	68,816
2	MW-1	6,689.15	20	7.23	12.77	85,420	2,418,834		483,767
3	MW-3 / MW-8	22,975.12	15.5	8.75	6.75	155,082	4,391,428		878,286

Area	**Date**	**Well**	**Benzene**	**Toluene**	**Ethylbenzene**	**Xylenes**	**MTBE**	**Naphthalene**	**Total**	**DTW**	**Avrage Water Collmn Height (ft.)**	**Total Average Mass (g)**	**Percent Red.**	**To Date Red.**
Area 3 (cont.)	05/04/21	MW-3	58.70	0.36	46.80	1.48	0.00	94.30	201.64	5.72	10.13	18,319.26	**-452.7%**	-292.5%
		MW-8	2,610.00	13,600.00	1,840.00	9,280.00	0.00	279	27,609.00	5.03				
		Avg.	1,334.35	6,800.18	943.40	4,640.74	0.00	186.65	13,905.32	5.38				
	12/13/21	MW-3	67.20	1.40	78.10	2.50	0.95	172.00	322.15	11.20	4.98	791.86	95.7%	83.0%
		MW-8	166.00	732.00	224.00	949.00	0.00	53.40	2,124.40	9.85				
		Avg.	116.60	366.70	151.05	475.75	0.48	112.70	1,223.28	10.53				
	07/05/22	MW-3	19.30	18.70	28.60	34.90	0.00	37.90	139.40	9.31	7.02	5,384.14	-579.9%	-15.3%
		MW-8	538.00	4,780.00	860.00	5,290.00	0.00	190.00	11,658.00	7.66				
		Avg.	278.65	2,399.35	444.30	2,662.45	0.00	113.95	5,898.70	8.49				

Date	**Average Water Column Height (ft.)**	**Total Contaminant Mass (g)**	**Percent Reduction Compared to Previous**	**Percent Reduction To Date**
05/13/11	9.78	17,194	---	---
12/13/12	8.99	20,454	**-19.0%**	**-19.0%**
03/14/13	12.09	18,525	9.4%	-7.7%
06/19/13	12.60	17,142	7.5%	0.3%
09/17/13	10.10	21,311	**-24.3%**	**-23.9%**
03/04/14	12.42	16,524	22.5%	3.9%
09/16/14	11.68	15,247	7.7%	11.3%
03/11/15	13.08	15,082	1.1%	12.3%
03/21/16	12.47	24,794	**-64.4%**	**-44.2%**
02/21/20	13.58	7,863	68.3%	54%
09/29/20	12.33	8,315	-5.7%	52%
05/04/21	11.60	23,239	-179.5%	-35%
12/13/21	7.01	3,740	83.9%	78%
03/10/22	8.13	4,741	-26.8%	72%
04/11/22	8.72	4,977	-5.0%	71%
07/05/22	8.97	8,727	-75.3%	49%
			To Date:	49%

Notes:
- Baseline contaminant mass was calculated using the maximum water column observed as well as the maximum historical dissolved phase contaminant concentrations.

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

February 16, 2023

CERTIFIED MAIL 9414811899562798879676
RETURN RECEIPT REQUESTED

Minit Shop of Maxton

Amran Saleh Hussein
207 Middle Street
Maxton, NC 28364-1831

Re: NOTICE OF VIOLATION OF 15A NCAC 2N .0302(UPG9, UPG10), .0402(MT1), .0405(RCD1), .0407(MT8), .0501(MT9), .0502(LD1), .0506(RCD5), .0603(RLS7), .0801(CL3), .0901(SECD3, SECD6, SECD7), .0902(SECD8, SECD9, SECD10), .0904(SECD14, SECD15, SECD19, SECD39), .0905(SECD22, SECD25), .0906(SECD29), NCGS 143-215.94NN-SS(OPTR2), .94U(PER1, PER2)
Minit Shop Of Maxton
207 Middle St, Maxton, NC 28364
Robeson County
Facility ID#: 00-0-0000021610

Dear Amran Saleh Hussein:

On January 10, 2023, I conducted a compliance inspection at the above-referenced facility. I observed that underground storage tanks (USTs) at Minit Shop Of Maxton are not in compliance with North Carolina UST regulations (North Carolina Administrative Code [NCAC] 2N "Criteria and Standards Applicable to Underground Storage Tanks). According to those rules (15A NCAC 2N .0203) you are identified as the owner and/or operator of UST(s) at Minit Shop Of Maxton.

The following violations of the state rules (15A NCAC 2N) were observed on January 10, 2023 at Minit Shop Of Maxton. Following each violation are the actions required to correct the violations:

Violation 1: 15A NCAC 2N .0302 UPG9; Failure to provide an 'existing tank system' with corrosion protection as required by federal regulation 40 CFR 280.21 (as incorporated by 15A NCAC 2N .0302).

Corrective Action(s):

All UST systems installed before December 22, 1988 are defined as 'existing tank systems.' All 'existing tank systems' are required to have corrosion protection.

1) A. Please submit a copy of invoices, designs, and other documentation associated with the provisions for corrosion protection within 30 days of receipt of this notice to the inspector at the address provided which show the UST system met the corrosion protection requirements by December 22, 1998. If the UST system did not meet these corrosion protection requirements by that date then you must complete the actions listed in part B below. All field-installed cathodic protection systems must be designed by a corrosion expert. The qualifications for a corrosion expert are defined in federal regulation 40 CFR 280.12 (as adopted by 15A NCAC 2N .0203).; OR B. Permanently close the UST system in accordance with federal regulation 40 CFR 280.71 (as incorporated by 15A NCAC .0802). The tank closure procedure must be conducted in compliance with the requirements established in 15A NCAC 2N .0802 and .0803 and the UST Sections Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement. Within 30 days of receipt of this notice, please submit a UST-3 form Notice of Intent: Permanent Closure or Change-In-Service. Within 30 days following closure, complete a UST-2 form Site Investigation Report for Permanent Closure or Change-In-Service and submit the form along with a tank closure report (UST-12 format is required as of February 1, 1995) to the inspector at the address provided. Permanent closure procedures must be completed within 60 days of receipt of this notice.

Comment: **Corrosion protection must be constantly maintained to ensure that the UST systems have continuous corrosion protection. The design of system has changed due to the installation of new piping and containment sumps. Please have the CP system repaired and tested. Please submit a copy of the UST-7B to the UST Section. Please submit new design information from a corrosion protection expert to the UST Section.**

Violation 2: 15A NCAC 2N .0302 UPG10; Failure to meet the spill prevention requirements of an 'existing tank system' as required by federal regulation 40 CFR 280.21(d) (as incorporated by 15A NCAC 2N .0302).

Corrective Action(s):

All UST systems installed before December 22, 1988 are defined as 'existing tank systems.' All "existing tank systems" that are filled by transfers of more than 25 gallons at one time are required to have spill prevention equipment. Please complete one of the following actions:

1) Repair or empty your spill prevention equipment. If the spill prevention equipment is replaced as part of the repair then the spill prevention equipment must meet the secondary containment requirements of 15A NCAC 2N .0900 and must have an integrity test conducted after installation that is documented on a UST-23A form Triennial UST Spill Bucket Integrity Testing.

Submit a copy of invoices, designs or other documentation of the completed work within 30 days of receipt of this NOV to the inspector at the address provided. In addition, if spill prevention is added, please submit a UST-8 form, Notification for Activities Involving USTs, identifying methods (i.e., catchment basin) used along with a UST-23A form, Triennial UST Spill Bucket Integrity Testing.

Comment: **Tank #Regular 1: The Regular 1 spill bucket was replaced on or about February 2022 or later. Please submit documentation for the replacement of the Regular 1 spill bucket to the UST Section to include the UST-23A, Invoice or work order from purchase to document make and model of the spill bucket, UST-22B (page 1 Interstitial Sensor) and Sensor Status print-out and alarm history for Regular 1 spill bucket and an updated UST-8 form.**

Violation 3: 15A NCAC 2N .0402 MT1; Failure to operate and maintain a corrosion protection system to continuously provide corrosion protection to the metal components of that portion of the tank and piping that routinely contain regulated substances and are in contact with the ground as required by federal regulation 40 CFR 280.31(a) (as incorporated by 15A NCAC 2N .0402).

Corrective Action(s):

Please perform the following corrective actions. In addition, please note that if the corrosion protection system is shown to be inoperative following the test by a qualified Cathodic Protection Tester, then additional corrective actions could be required in accordance with the attached guidance on Failed or Inoperative Corrosion Protection systems for the length of time without corrosion protection. If this is the case you should contact the inspector for guidance on the additional corrective actions required:

1) Have the Corrosion Protection system tested by a qualified Cathodic Protection Tester in order to verify system functionality.

2) Complete the actions listed above or permanently close the UST system in accordance with federal regulation 40 CFR 280.71 (as incorporated by 15A NCAC 2N .0802). The tank closure procedure must be conducted in compliance with the requirements established in 15A NCAC 2N .0802 and .0803 and the UST Sections Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement. Within 30 days of receipt of this notice, please submit a UST-3 form Notice of Intent: Permanent Closure or Change-In-Service. Within 30 days following closure, complete a UST-2 form Site Investigation Report for Permanent Closure or Change-In-Service and submit the form along with a tank closure report (UST-12 format is required as of February 1, 1995) to the inspector at the address provided. Permanent closure procedures must be completed within 60 days of receipt of this notice.

Unless otherwise noted above, within 30 days of receipt of this notice, please submit any invoices, test results, or a description of the work completed and the date that it was completed to the inspector at the address provided. If you do not complete the items listed above to repair the corrosion system and maintain continuous corrosion protection then you must permanently close the UST system.

Comment: **The CP System must be tested every three years. Please have the CP tested and submit a copy of the UST-7A to the UST Section. If the CP system fails, please refer to the NC CP Policy (enclosed) for further guidance.**

Violation 4: 15A NCAC 2N .0405 RCD1; Failure to notify or provide the Division of Waste Management UST Section with records of compliance with leak detection, periodic inspections, testing and/or upgrading requirements as required by federal regulation 40 CFR 280.34 (as incorporated by 15A NCAC 2N .0405).

Corrective Action(s):

The Division of Waste Management UST Section has noted the following deficiencies with your sites required notifications or record-keeping:

1) Notification of meeting Leak Detection requirements (Form UST-8).

2) Within 14 days of receipt of this notice, please submit documentation of the overfill operability check (Form UST-22A), to the inspector at the address provided.

Within 14 days of receipt, or other time frame mentioned above, of this notice, please complete and submit the form(s) checked above and/or provide copies of the records needed to complete the inspection to the inspector at the address provided. In addition you need to submit a copy of any forms listed above to the address located on the form(s). It is recommended that you also keep a copy for your records.

Comment: **As of October 13, 2018, all overfill prevention devices must be tested every three years. Please have the overfill prevention devices tested and submit a copy of the UST-22A (enclosed) to the UST Section.**

Violation 5: 15A NCAC 2N .0407 MT8; Failure to perform periodic operation and maintenance walkthrough inspections as required by federal regulation 40 CFR 280.36 (as incorporated by 15A NCAC 2N .0407)

Corrective Action(s):

Periodic operation and maintenance walkthrough inspections must be conducted for the following:

1) Conduct a monthly inspection of your leak detection equipment (e.g. ATG console operation and leak detection records) in accordance with PEI RP 900, "Recommended Practices for the Inspection and Maintenance of UST Systems" and document the results on form UST-27, "Monthly Walkthrough Inspections".

2) Inspect the sump, whether or not they have containment, at the tank(s) and/or dispenser(s) for the presence of water or a regulated substance in accordance with PEI RP 900, "Recommended Practices for the Inspection and Maintenance of UST Systems" and document the condition on an annual sump inspection log (UST-22C, "Annual Sump Visual Inspections").

3) The periodic operation and maintenance walkthrough inspections were not done in accordance with a national standard. Conduct the periodic inspections in accordance with PEI RP 900, "Recommended Practices for the Inspection and Maintenance of UST Systems" and submit the results on the applicable UST form.

Within 30 days of receipt of this notice, please submit the inspection results on one of the following applicable forms: UST-22B, Annual Leak Detection Equipment Operability Check; UST-22C, Annual Sump Visual Inspections; and/or UST-27, Monthly Walkthrough Inspections, to the inspector at the address provided.

Comment: **As of October 13, 2018, a monthly walk-through must be conducted at each facility. Please conduct the monthly walk-through of your facility using the UST-27 (Monthly Walkthrough Inspections), UST-22B (Annual Leak Detection Equipment Operability Check) and UST-22C (Annual Sump Visual Inspections). Please complete the forms and submit a copy of the forms to the UST Section.**

Violation 6: 15A NCAC 2N .0501 MT9; Failure to check the operability, proper operating condition, and proper calibration of leak detection monitoring equipment annually in accordance with the manufacturer's written guidelines and as required by federal regulation 40 CFR 280.40 (as incorporated by 15A NCAC 2N .0501).

Corrective Action(s):

1) Check the leak detection equipment for operability, proper operating condition, and proper calibration in accordance with the manufacturer's written guidelines and PEI RP 1200 “Recommended Practice for the Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment at UST Facilities”.

Within 30 days of receipt of this notice, please submit a copy of the results of the annual check and other supporting documentation (e.g. alarm reports, invoice, repair records) of the completed work on form UST-22B, Annual Leak Detection Equipment Operability Check, to the inspector at the address provided.

Comment: **Tank #Regular 1: As of October 13, 2018, the leak detection monitoring equipment must be tested to ensure proper operation. Please have the leak detection equipment tested. Please submit a copy of the UST-22B to the UST Section.**

Violation 7: 15A NCAC 2N .0502 LD1; Failure to provide leak detection for a regulated tank in accordance with federal regulation 40 CFR 280.41 (as incorporated by 15A NCAC 2N .0502, 15A NCAC 2N .0301, 15A NCAC 2N .0302 and/or 15A NCAC 2N .0304).

Corrective Action(s):

The Division of Waste Management UST Section has determined that leak detection has not been conducted on a regulated tank.

1) Single-wall monitored UST: Please immediately conduct a tank tightness test (note: an Automatic Tank Gauge can not be used to conduct the tank tightness test) on all applicable USTs and submit a copy of your next month's tank leak detection records.

Please submit, within 30 days of receipt of this notice, a copy of the tank tightness test results (and if applicable, interstitial space tightness test results) and submit, within 30 days of receipt of this notice, a copy of your leak detection records (for your chosen leak detection method(s)) for the month following the date of receipt of this notice to the inspector at the address provided.

Comment: **Leak detection records were missing for more than 3 months. Please have a Tank Tightness Test conducted on each tank with missing leak detection records. Please submit a copy of the TTT results and a copy of the ATG results for February 2023 to the UST Inspector.**

Violation 8: 15A NCAC 2N .0506 RCD5; Failure to maintain records demonstrating compliance with the leak detection requirements as required by federal regulation 40 CFR 280.45(b) (as incorporated by 15A NCAC 2N .0506).

Corrective Action(s):

1) The cited rule requires that results of any sampling, testing, or monitoring must be maintained for at least 1 year. Please maintain the required records and submit to the inspector, at the address provided, a copy of the following: A. Submit, within 30 days of receipt of this notice, any testing results (tank tightness tests, line tightness tests, etc.); AND B. Submit, within 30 days of receipt of this notice, a copy of your leak detection records for your chosen method of leak detection for the month following the date of receipt of this notice.

Comment: **Please submit a copy of the ATG records for Tank Leak Detection for the month of February 2023 to the UST Section.**

Violation 9: 15A NCAC 2N .0603 RLS7; Failure to investigate a suspected release in accordance with federal regulation 40 CFR 280.52 (as incorporated by 15A NCAC 2N .0603) after a failing tightness test of the spill containment, the presence of fuel in spill containment buckets or the degradation of the spill containment equipment to the point where that equipment can not reasonably be expected to perform its intended function was observed.

Corrective Action(s):

Tank owners or operators must investigate a suspected release as directed below.

1) The spill containment bucket failed a tightness test or the condition of the spill containment bucket has deteriorated such that it may need repairing or replacing. All replaced spill buckets must meet the secondary containment requirements of 15A NCAC 2N .0900. You must complete the actions listed below.

Conduct a tightness test (if one has not already been completed) of the existing spill containment bucket(s) integrity (prior to repair/replacement) in accordance with the manufacturer's recommendations* or a code of practice developed by a nationally recognized association. If a testing standard is not available then you must fill the spill containment bucket(s) with clean water to within 1.5 inches of the top of the spill bucket; mark the water level; wait a minimum of 1 hour and re-check the level. A spill containment bucket fails the tightness test if there has been any change in level. Submit a copy of the test results to the inspector at the address provided. If any spill containment bucket fails the tightness test, you must complete all of the following tasks: (a) Conduct a site check around the spill containment bucket for the tanks listed above in accordance with 40 CFR 280.52(b) (as incorporated by 15A NCAC 2N .0603) using the sampling protocol and methodology of the most recent version of the UST Section Guidelines

for Site Checks, Tank Closure, and Initial Response and Abatement and submit, within 30 days of receipt of this notice, a site check report or initial abatement report (whichever is applicable) to the inspector at the address provided; AND (b) Repair or replace the spill containment bucket and test the tightness of the spill containment bucket in accordance with the manufacturer's recommendations, a code of practice developed by a nationally recognized association, or the alternate instructions listed above if no standard is available. All replaced spill buckets must meet the secondary containment requirements of 15A NCAC 2N .0900. Within 30 days of receipt of this notice, unless noted differently above, submit a UST-17B, UST Suspected Release 7 Day Notice, with the results and any supporting information for all equipment repairs, equipment replacements, tightness test(s), and site check as required in the above sections to the inspector at the address provided. * Proper disposal of liquids in accordance with State and Federal requirements is required. See the attached document Recommended ways to dispose of small quantities of petroleum and petroleum/water mixtures for some suggested methods.

Comment: **Tank #Regular 1: The Regular 1 Spill Bucket: During the inspection it was revealed that Regular 1 spill bucket had been replaced. Please submit the UST-17A (Notice of Suspected Release) to the UST Section within 24 hours of discovery. A site check must be conducted around the new spill bucket to determine if environmental contamination has occurred.**

Violation 10: 15A NCAC 2N .0801 CL3; Failure to maintain and secure a UST system that has been temporarily closed in accordance with federal regulation 40 CFR 280.70(a) and (b) (as incorporated by 15A NCAC 2N .0801).

Corrective Action(s):

Please complete the corrective actions:
1) Have the Corrosion Protection system tested by a qualified Cathodic Protection Tester in order to verify system functionality.
2) Remove all product from the UST system such that no more than 1 inch is present in any portion of the tank.
3) Cap and secure all other lines, pumps, manways and ancillary equipment for UST systems closed for 3 months or more.

Unless otherwise noted above, within 30 days of receipt of this notice, please submit any invoices, test results, or a description of the work completed and the date that it was completed to the inspector at the address provided. If you do not complete the items listed above to put the tank in proper temporary closure and maintain continuous corrosion protection then you must permanently close the UST system. * Note: An alternative method of meeting these requirements is to put your UST's in temporary closure. This alternative method requires removal of the metal piping and piping components (e.g. flex connectors) without replacing them until you bring the UST's out of temporary closure. At that time, double wall piping and containment sumps would need to be installed that meet the requirements of 15A NCAC 2N .0900. Additionally, the non-metal piping that is not removed must be drained and capped if this method is implemented. Documentation of the component removal and subsequent draining and capping of the non-metal piping must be provided to the inspector within 30 days of receipt of this notice.

Comment: **The Regular 2, Premium and Diesel USTs are listed as being in Temporary Closure. Upon arrival it was noted that the Premium and Regular 2 USTs were being used. The tanks have been in use since approximately January 2022. There was 4.5 inches of product in the Regular #2 UST. There was 5.5 inches of product in the Premium UST. There was 8.5 inches of product in the Diesel UST. Please complete the requirements listed in the enclosed Temporary Closure Brochure to properly bring all applicable USTs out of temp closure.**

Violation 11: 15A NCAC 2N .0901 SECD3; Failure to provide secondary containment leak detection monitoring for a UST system or UST system component in accordance with 15A NCAC 2N .0901(i).

Corrective Action(s):

Immediately conduct the following tightness tests in accordance with the manufacturer's written guidelines and PEI/RP 100, 'Recommended Practices for the Installation of Underground Liquid Storage Systems' and/or configure your secondary containment system to allow interstitial monitoring. Complete all items listed below:
1) A tightness test of the containment sumps and/or dispensers. Submit form UST-6F/23B, Triennial UST Containment Sump / UDC Integrity Testing.
2) A tightness test of the primary and interstitial space of the spill bucket. Submit form UST-6D/23A, Triennial UST Spill Bucket Integrity Testing.
3) A tightness test of the primary and interstitial space of the piping system for the listed tank(s). Submit form UST-

6G/23C, Triennial UST Piping Integrity Testing.

Within 30 days of receipt of this notice, please submit a copy of the tightness test results (if listed above) using the listed method along with the next month's secondary containment monitoring results and alarm history (for electronic sensors) and any other supporting documentation showing the above items have been corrected to the inspector at the address provided.

Comment: **The last 12 months of interstitial monitoring leak detection records have not been maintained. Please submit a copy of the UST-22B, UST-23A (new double-walled Spill Bucket interstice), UST-23B (two new UDC containment sumps and new transition sump), UST-23C (Piping Interstice) and Primary LTT for new double-walled piping. All forms are enclosed.**

Violation 12: 15A NCAC 2N .0901 SECD6; Failure to check the operability, proper operating condition, and proper calibration of leak detection monitoring equipment annually in accordance with the manufacturer's written guidelines and as required by 15A NCAC 2N .0901(m).

Corrective Action(s):

1) Check the leak detection equipment for operability, proper operating condition, and proper calibration in accordance with the manufacturer's written guidelines.

Within 30 days of receipt of this notice, please submit a copy of the results of the annual check and other supporting documentation (e.g. alarm reports, invoice, repair records) of the completed work on form UST-22B, Annual Interstitial Sensor Operability Check, to the inspector at the address provided.

Comment: **The sump sensors must be tested every year for operability. Please have the sump sensors tested and submit a copy of the UST-22B to the UST Section.**

Violation 13: 15A NCAC 2N .0901 SECD7; Failure to check the operability, proper operating condition, and proper calibration of overfill prevention equipment every three years, in accordance with the manufacturer's written guidelines and as required by 15A NCAC 2N .0901(o).

Corrective Action(s):

1) Check overfill prevention equipment for operability, proper operating condition, and proper calibration in accordance with the manufacturer's written guidelines.

Within 30 days of receipt of this notice, please submit a copy of the results of the triennial check and other supporting documentation of the completed work on form UST-22A, Overfill Prevention Equipment Operability Check, to the inspector at the address provided.

Comment: **Tank #Regular 1, Regular #2 and Premium: Every three years the overfill prevention devices must be tested to ensure proper operation. Please have the overfill prevention devices tested and submit a copy of the UST 22A to the UST Section.**

Violation 14: 15A NCAC 2N .0902 SECD8; Failure to provide pre-installation and/or post installation notification of installation or replacement of a UST, UST system, or UST piping system and schedule an inspection of the installation tightness testing of the tanks and/or piping as required by 15A NCAC 2N .0902(a), (b), and (c).

Corrective Action(s):

1) Within 30 days of receipt of this notice, please submit a completed UST-6 form Application to Install or Replace Underground Storage Tank Systems (Pre-installation) and all supporting documentation listed on the form (e.g. design plans) to the inspector at the address provided. **With the pre-installation application you must include a cover letter that contains the following: a) A statement that the application is being submitted for an unapproved installation and the work has already been completed; b) A description of the work that has been completed and who did the work; and c) A statement of whether the enhanced tracer tightness test will be completed or the UST system removed and reinstalled.** You will be notified in writing once your application is approved. If your application is not approved then you have 30 days from receipt of the disapproval to permanently close the UST system and submit documentation of the closure to the inspector at the address provided.**Within 30 days of application/design plan approval then complete the following steps:1) Conduct a third-party certified**

precision tightness test of the entire UST system that can detect a leak rate of 0.005 gph. Tightness testing for both tanks and piping must test both the outer and inner walls of the interstice. If an installation inspection was not conducted for the tank and piping then both the tank and piping must be tightness tested otherwise only the component that the installation inspection was not conducted for needs to be tightness tested. Results should be provided to the inspector at the address provided. Alternatively, you can remove the UST system components and conduct a new installation in accordance with the approved application, scheduling an installation inspection. AND2) Submit a completed UST-6 form Application to Install or Replace Underground Storage Tank Systems (Post-installation) and all supporting documentation listed on the form to the inspector at the address provided.

Comment: **Please refer to the above paragraph for the specific instructions on how to submit the application for installation of new piping at your facility.**

Violation 15: 15A NCAC 2N .0902 SECD9; Failure to schedule an inspection or receive an inspection waiver letter for the inspection as required by 15A NCAC 2N .0902(b) for the final tightness test of piping system(s) prior to backfilling.

Corrective Action(s):

1) Conduct a third-party certified precision tightness test of the entire UST system that can detect a leak rate of 0.005 gph. Tightness testing for both tanks and piping must test both the outer and inner walls of the interstice. If an installation inspection was not conducted for the tank and piping then both the tank and piping must be tightness tested otherwise only the component that the installation inspection was not conducted for needs to be tightness tested.

Within 30 days of receipt of this notice, please submit a copy of the test results and supporting documentation of the completed work to the inspector at the address provided.

Comment: **Conduct a third-party certified precision tightness test of the entire UST system that can detect a leak rate of 0.005 gph.**

Violation 16: 15A NCAC 2N .0902 SECD10; Failure to provide notification within 30 days following installation or replacement of a UST, UST system, UST piping system as required by 15A NCAC 2N .0902(c).

Corrective Action(s):

1) Within 30 days of receipt of this notice, please submit a completed UST-6 form Application to Install or Replace Underground Storage Tank Systems (Post-installation) and all supporting documentation listed on the form to the inspector at the address provided.

Comment: **Site#00-0-0000021610: New single wall metal piping and piping components have been installed outside of a containment sump to connect existing piping to the new DW piping which is not allowed. Replace all single wall metal piping and piping components outside of sump with DW non-metal piping or install within a containment sump.**

Violation 17: 15A NCAC 2N .0904 SECD14; Failure to install piping that has double-walled construction as required by 15A NCAC 2N .0904(a).

Corrective Action(s):

1) Replace the piping with piping that has double-walled construction.

Within 30 days of receipt of this notice, please submit a UST-6 form Application to Install or Replace Underground Storage Tank Systems (Pre-installation) and all supporting documentation listed on the form to the inspector at the address provided.

Comment: **Site#00-0-0000021610: New single wall metal piping and piping components have been installed outside of a containment sump to connect existing piping to the new DW piping which is not allowed. Replace all single wall metal piping and piping components outside of sump with DW non-metal piping or install within a containment sump.**

Violation 18: 15A NCAC 2N .0904 SECD15; Failure to install piping constructed of non-corroding materials or metal flexible connectors and other metal piping components in a containment sump in accordance with 15A

NCAC 2N .0904(b).

Corrective Action(s):

Complete the actions checked below:

1) Replace the piping with piping constructed of non-corroding materials. Within 30 days of receipt of this notice, please submit a UST-6 form Application to Install or Replace Underground Storage Tank Systems (Pre-installation) and all supporting documentation listed on the form to the inspector at the address provided.

2) Place all single-walled metal flexible connectors and/or piping connections in a containment sump. Within 30 days of receipt of this notice, please submit documentation showing that all single-walled metal flexible connectors and/or piping connections have been placed in a containment sump(s) meeting the requirements of 15A NCAC 2N .0900 to the inspector at the address provided.

Comment: **Site#00-0-0000021610: New single wall metal piping and piping components have been installed outside of a containment sump to connect existing piping to the new DW piping which is not allowed. Replace all single wall metal piping and piping components outside of sump with DW non-metal piping or install within a containment sump.**

Violation 19: 15A NCAC 2N .0904 SECD19; Failure to perform a tightness test on piping not monitored continuously by vacuum, pressure, or hydrostatic methods every 3 years as required by 15A NCAC 2N .0904(f).

Corrective Action(s):

1) Conduct a tightness test of the primary space of the piping in accordance with the manufacturers written guidelines and PEI RP 100 "Recommended Practice for Installation of Underground Liquid Storage Systems.

2) Conduct a tightness test of the interstitial space of the piping in accordance with the manufacturers written guidelines and PEI RP 100 "Recommended Practice for Installation of Underground Liquid Storage Systems.

Within 30 days of receipt of this notice, please submit the test results on form UST-6G/23C, Triennial UST Piping Integrity Testing, to the inspector at the address provided.

Comment: **Conduct a third-party certified precision tightness test of the entire UST system that can detect a leak rate of 0.005 gph.**

Violation 20: 15A NCAC 2N .0905 SECD22; Failure to tightness test a containment sump at installation as required by 15A NCAC 2N .0905(e).

Corrective Action(s):

1) Tightness test the containment sump at the tank(s) and/or dispenser(s) in accordance with the manufacturer's written guidelines and PEI RP 100 "Recommended Practice for Installation of Underground Liquid Storage Systems."

Within 30 days of receipt of this notice, please submit the test results on form UST-6F/23B, Triennial UST Containment Sump / UDC Integrity Testing, to the inspector at the address provided.

Comment: **UDC #1/2, UDC #3/4 and #TRANSITION sumps were not tightness tested at installation.**

Violation 21: 15A NCAC 2N .0905 SECD25; Failure to visually inspect containment sumps annually for the presence of water or a regulated substance as required by 15A NCAC 2N .0905(h).

Corrective Action(s):

1) Inspect the containment sump at the tank(s) and/or dispenser(s) for the presence of water or a regulated substance and document the condition on an annual containment sump inspection log.

Within 30 days of receipt of this notice, please submit a copy of the annual containment sump inspection log form UST-22C, Annual Containment Sump Visual Inspections to the inspector at the address provided.

Comment: **All containment sumps must be inspected every year and the results recorded on a UST-22C. Please have the containment sumps inspected and submit a copy of the completed UST-22C to the UST Section.**

Violation 22: 15A NCAC 2N .0906 SECD29; Failure to perform a tightness test of the primary and interstitial space of spill bucket(s) at installation as required by 15A NCAC 2N .0906(d).

Corrective Action(s):

1) Conduct a tightness test of the primary and interstitial space of the spill bucket in accordance with the manufacturer's written guidelines and PEI RP 100 "Recommended Practice for Installation of Underground Liquid Storage Systems."

Within 30 days of receipt of this notice, please submit the test results on form UST-6D/23A, Triennial UST Spill Bucket Integrity Testing to the inspector at the address provided.

Comment: **Tank #Regular 1: Every three years the Primary and Secondary spill buckets must be tested to ensure integrity. Please have the spill buckets tested and submit a copy of the UST 23A to the UST Section.**

Violation 23: 15A NCAC 2N .0904 SECD39; Failure to install a device or method that allows the piping to be located once installation has been completed as required by 15A NCAC 2N .0904(c).

Corrective Action(s):

1) The Division of Waste Management UST Section has determined that a device or method was not installed on the piping that would allow it to be located following completion of the installation. Within 30 days of receipt of this notice, submit to the inspector at the address provided, documentation that an acceptable method for locating the piping has been installed.

Comment: **Site#00-0-0000021610: New single wall metal piping and piping components have been installed outside of a containment sump to connect existing piping to the new DW piping which is not allowed. Replace all single wall metal piping and piping components outside of sump with DW non-metal piping or install within a containment sump.**

Violation 24: NCGS 143-215.94NN-SS OPTR2; Failure to complete Primary Operator training as required by NCGS 143-215.94NN - 143.215.94SS.

Corrective Action(s):

Please perform the following corrective action(s).

1) The Primary Operator designated for this facility must go to the following website http://tankschool.nc.gov and take the NC DEQ on-line course for Primary Operator training. Primary Operator training must be completed and a training certificate achieved within 30 days of receipt of this notice.

Comment: **Site#00-0-0000021610: Each facility must have a Primary Operator. The Primary Operator must take the on-line Primary Operator Training Course within 30 days of this notice. Please submit a copy of the certificate to the UST Section. (In-person Tank School is not being offered at this time).**

Violation 25: NCGS 143-215.94U PER1; Failure to hold a currently valid operating permit as required by NCGS 143-215.94U for a facility where petroleum product was caused to be placed into a UST.

Corrective Action(s):

1) Tank owners or operators are required to maintain currently valid operating permits. Please take steps to obtain a currently valid permit within 30 days of receipt of this notice by completing a UST-8 form Notification for Activities Involving UST Systems and verifying compliance with all state regulations. Additionally, please submit all requested records and documents to the inspector at the address provided. Please be advised that it is illegal to place petroleum product into a tank at a facility for which the tank owner or operator does not hold a currently valid operating permit.
2) The Division of Waste Management UST Section has determined that you have not submitted the following documents to obtain a currently valid operating permit and properly change a UST system status from temporary closure to current: UST-8, Notification for Activities Involving USTs; tank fees (if owed), Financial Responsibility (if not on file), Tank tightness test results; Overfill prevention equipment operability check (UST-22A form); Spill bucket integrity test results (UST-6D/23A form); Line tightness test results; Automatic line leak detector (ALLD) test results; and if applicable, corrosion protection test (UST-7A/B), interstitial sensor operability check results

(UST-22B form), containment sump integrity test results (UST-6F/23B form) and double-walled piping interstitial integrity test results (UST-6G/23C form). Within 30 days of receipt of this notice, please complete and submit a UST-8 form and/or provide copies of the UST system testing records listed above to the inspector at the address provided. It is recommended that you also keep a copy for your records. Please be advised that it is illegal to place petroleum product into a tank at a facility for which the tank owner or operator does not hold a currently valid operating permit.

Comment: **The Regular #2 and Premium USTs are being used but are not listed on the UST Permit because the tanks are in Temp Closure. Please be advised that it is illegal to place petroleum product into a tank at a facility for which the tank owner or operator does not hold a currently valid operating permit.**

Corrective actions must be completed and reported to the inspector at the address provided **within 30 days** of receipt of this notice, unless otherwise noted in one of the corrective actions listed above. Assessment of civil penalties may be recommended for violations described in this NOV, as well as, operating permit revocation/denial unless the violations are corrected. If you believe that the inspection findings are in error, or if you have any questions pertaining to this NOV and/or corrective actions please contact me at (910) 728-8787 or pamela.harrelson@ncdenr.gov.

Sincerely,

Pamela Harrelson, Environmental Specialist
Division of Waste Management, NC DEQ

Enclosures

cc: Michael Phelps w/ Enclosures (electronic)
Files (electronic)

Printed: 1/17/2023 1:37 PM
Inspection Result: Failed
Inspection Date: 1/10/2023
Partial Inspection: No
Arrive and Depart Times: 9:00 AM-10:30 AM

Facility ID:	00-0-0000021610	**Inspector**	Pamela Harrelson
Facility Name	MINIT SHOP OF MAXTON	**Insp. Type**	Compliance
Facility Address	207 MIDDLE ST MAXTON, NC 28364 Robeson County **Located facility, USTs onsite**	**Reason(s)**	Routine Compliance
		Location	34.736183, -79.34838
		Permit Exp.	6/30/2023
Facility Phone	(910) 844-3382		

CONTACTS

Contact Type	Contact Information
Manager since 2/12/2010	AMRAN SALEH HUSSEIN, 207 MIDDLE ST MAXTON, NC 28364-1608, Phone: (910) 844-3382, Email: amranalex207@hotmail.com
Owner since 7/1/2005	AMRAN SALEH HUSSEIN AND WADAH M , ASHAIF - 207 MIDDLE STREET MAXTON , NC 28364-1831, Phone: (910) 844-3382
Regulatory Operator since 7/1/2005	AMRAN SALEH HUSSEIN AND WADAH M , ASHAIF - 207 MIDDLE STREET MAXTON , NC 28364-1831, Phone: (910) 844-3382

OWNERSHIP CHANGE

New Owner	Change Date	Basis	Transfer of Ownership Form (UST-15) Submitted
No			

EMERGENCY RESPONSE

Emergency response placard with emergency response operator contact information is posted in the dispensing areas if the dispensers are left on without an attendant present?	N/A

OTHER PARTICIPANTS

Name	Organization
WILL KNIGHT	EVANS ENVIRONMENTAL
HUNTER EVANS	EVANS ENVIRONMENTAL

INSPECTOR COMMENTS

Type	Date	Comment
Overfill/Sumps	1/10/2023	REG-1 SB REPLACED. DATE OF MANUFACTURER IS 02-2022. OVERFILL INSTALL DATED FROM INVOICE RECEIVED IN 2019. SUMPS INSTALL DATE BASED ON ATG PRINT OUT DATED 01-26-2022 FOR TESTING.

LD Piping	1/10/2023	NEW PIPING INSTALLED APPROXIMATELY JANUARY 2022. NO UST-6A SUBMITTED. NO INSTALL INSPECTION. NO TESTING RESULTS. NO UST-6B. PIPING IS DETERMINED NOT INSTALLED CORRECTLY. SINGLE WALLED METAL PIPING FROM TANK, WHICH APPEARS TO BE NEW, COMING THROUGH SUMP WALL AT EACH SUMP.
LD Interstitial After 07	1/10/2023	UST-27 SHOWS N/A FOR REG FILL PORT FROM FEB 2022 THROUGH DECEMBER 2022.
Temporary Closure	1/10/2023	REG-2 AND PREMIUM USTS ARE BEING USED. REG-2 HAS 4.5 INCHES OF PRODUCT. PREMIUM HAS 5.5 INCHES OF PRODUCT IN IT. PERMIT ONLY SHOWS REG-1 UST.
Permitting/Unpermitted Deliveries	1/10/2023	MAX (WADAH ASHAIF) CO-OWNER SAID HE DID NOT HAVE A BOL BUT OLIVER OIL COMPANY IS DELIVERING FUEL TO THE TEMP CLOSED TANKS. LAST DELIVERY WAS ABOUT 10 DAYS AGO PER MAX.

ADDITIONAL INSPECTOR COMMENTS

WHEN DID SUMPS GET INSTALLED? WHY WERE NEW OVERFILLS INSTALLED ON PLUS AND PREMIUM ON 6-6-2019, IF TANKS ARE IN TEMP CLOSURE? WHEN WAS NEW PIPING INSTALLED? INSTALL OF NEW PIPING WITHOUT UST 6A SUBMITTAL. ATG IS NOT WORKING. NEW SPILL BUCKET ON REG-1 (TANK 1) NO SITE CHECK. BOL NOT AT STORE.

TANKS AND PIPING INFORMATION

Tanks	**Tank #1(Diesel)**	**Tank #2(REGULAR 2)**	**Tank #3(Premium)**	**Tank #4(Regular 1)**
Tank ID	Diesel	REGULAR 2	Premium	Regular 1
TIMS Tank ID	4	2	3	1
Is tank registered?	Yes	Yes	Yes	Yes
Date tank installed	4/28/1984	4/28/1984	4/28/1984	4/28/1984
Capacity of Tank in Gallons	4000	5000	4000	6000
Is tank regulated	Yes	Yes	Yes	Yes
Diameter (Inches)		96	64	96
Tank / Product use	Motor Fuel	Motor Fuel	Motor Fuel	Motor Fuel
Product stored in Tank	Kerosene, Kero Mix	Gasoline, Gas Mix	Gasoline, Gas Mix	Gasoline, Gas Mix
Product Detail	BLANK	Mid-Grade	Premium	Regular
If hazardous substance, CAS# or description				
If other, description				
Tank status	Temporarily Closed	Temporarily Closed	Temporarily Closed	Current
Tank closure report submitted				

Tanks	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
Date tank last operated	8/20/2014	8/20/2014	8/20/2014	
Inches of product in Tank	8.5	4.5	5.5	
Compartment tank	No	No	No	No
Other compartment(s)				
Base compartment				
Manifolded tank	No	No	No	No
Manifolded with tank(s)				
Master manifold tank				
New Tank System installed in accordance with NC or MI	N/A	N/A	N/A	N/A
Tank Construction Material (DW required after 11/1/07)	Single Wall Steel	Single Wall Steel	Single Wall Steel	Single Wall Steel
If other, description				
Tank Manufacturer/Model	Unknown	Unknown	Unknown	Unknown
If other, describe				
Tank material verified by	UST-7A/B	UST-7A/B	UST-7A/B	UST-7A/B
Date Pipe Installed	4/28/1984	1/26/2022	1/26/2022	1/26/2022
Was UST Piping Installed on or after 11/1/2007?	No	Yes	Yes	Yes
Piping Construction Material (DW required after 11/1/07)	Single Wall Steel	Single Wall Steel	Single Wall Steel	Single Wall Steel
If other, description				
Pipe Manufacturer/Model	Unknown	Unknown	Unknown	Unknown
If other, describe				
Pipe material verified by	Visual	Visual	Visual	Visual
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?	N/A	N/A	N/A	N/A

CORROSION PROTECTION

Tank Corrosion Protection	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
DWM notified of current CP method	Yes	Yes	Yes	Yes
Integrity assessment performed after 3/1/06	No	No	No	No
CP Method 1	Impressed Current	Impressed Current	Impressed Current	Impressed Current
if other, Description				
CP Installation Date	10/1/1994	10/1/1994	10/1/1994	10/1/1994
CP Method 2				
if other, Description				
CP Installation Date				
Flex Connector , Piping Extensions, and/or other metal fittings Present	None	None	None	None
Flex connector isolated from ground				
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings				
if other, Description				
Submersible pump (STP) is isolated from ground	N/A	N/A	N/A	N/A
Piping extensions and/or other metal fittings are isolated from ground				
Flex connector, STP and/or other metal fittings protected from corrosion	Yes	Yes	Yes	Yes
Corrosion protection method	Impressed Current	Impressed Current	Impressed Current	Impressed Current
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date	10/1/1994	10/1/1994	10/1/1994	10/1/1994
Dielectric Coating Installed (If tank installed after 12/22/88	N/A	N/A	N/A	N/A

Pipe Corrosion Protection	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
DWM notified of current CP method	Yes	Yes	Yes	Yes
CP method	Impressed Current	Impressed Current	Impressed Current	Impressed Current
if other, Description				
CP Installation Date	10/1/1994	10/1/1994	10/1/1994	10/1/1994
Dielectric Coating Installed (If piping installed after 12/22/88	N/A	N/A	N/A	N/A

Dispenser Corrosion Protection	Dispenser #1(1/2)	Dispenser #2(3/4)	Dispenser #3(DIESEL)
Flex Connector , Piping Extensions, and/or other metal fittings Present	Other Metal	Other Metal	Other Metal
Flex connector isolated from ground	N/A	N/A	N/A
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual	Visual
if other, Description			
Piping extensions and/or other metal fittings are isolated from ground	No	No	No
Flex Connectors, Piping extensions and/or other metal fittings protected from corrosion	Yes	Yes	Yes
Corrosion protection method	Impressed Current	Impressed Current	Impressed Current
Flex connector, Piping extensions, and/or other metal fittings CP Installation Date	10/1/1994	10/1/1994	10/1/1994
Source of Information for verification of corrosion protection for Riser pipe and other metal piping	Visual	Visual	Visual
if other, Description			

CP Conclusions	
CP Requirements Met?	No
Issues	CP System must be tested by qualified CP tester (MT1A/H & CL1 if TOS)

Impressed Current Systems	IC System # 1
Applies to Tanks	#1(Diesel), #2(REGULAR 2), #3(Premium), #4(Regular 1)
Current Voltage (Gauge)	64
Current Amperage (Gauge)	1.2
Current Voltage (Multimeter)	
Measured Shunt Voltage (mV)	
Rectifier Shunt Factor (Amps/mV)	
Amps - Calculated	
Last three 60-day readings available	Yes
System operating properly	No
If no, select all that apply	Other, Anode wires broken, > 20% drop in amps/volts
If other, describe	SYSTEM NOT TESTED AFTER PIPING INSTALL
Hour meter reading?	43162
Hour meter installed	Yes

CP Tests	Test #1
Applies to Tanks	#4(Regular 1), #3(Premium), #2(REGULAR 2), #1(Diesel)
Portion of System Tested	Tanks, Piping
Date of last Corrosion Protection Test	6/9/2020
CP Test Result	Pass
Was CP Test done in accordance with National Standard?	Yes
CP Tester	Ben Conklin - Conklin Corrosion Control, LLC - (704) 560-9154
Certificate Number	CP16036
Certifying Organization	STI
As Left Voltage	58
As Left Current	4.5
UST7 form for last CP test submitted to DWM	Yes

SPILL PREVENTION

Has DWM been notified of spill methods?	Yes

Spill/Overfill Details	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
Is a drop tube present?	Yes	Yes	Yes	Yes
Type of Stage I vapor recovery?	Not Required	Coaxial	Coaxial	Coaxial

Local Fill	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
Does Tank have a Second Fill?	No	No	No	No
Spill Protection	Catchment Basin	Catchment Basin	Catchment Basin	Catchment Basin
Is spill prevention equipment provided and verified?	Yes	Yes	Yes	Yes
Manufacturer/Model	OPW: POMECO Multiport Manhole (DW w/multi port sump)	OPW: POMECO Multiport Manhole (DW w/multi port sump)	OPW: POMECO Multiport Manhole (DW w/multi port sump)	OPW: Edge 1C/1SC-3112X/31512X (DW w/gauge)
If other, describe				
Spill bucket is double-walled?	N/A	N/A	N/A	Yes
Monitoring Type (UST-6B)				Float Gauge (Mech)
Is spill bucket interstice monitored every 30 days? (If installed before 11/1/07)				

Local Fill	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)	N/A	N/A	N/A	Yes
Date spill prevention provided	10/1/1994	10/1/1994	10/1/1994	2/1/2022
Last 12 monthly spill bucket checks completed and all deficiencies corrected (UST-27)?	Yes	Yes	Yes	Yes
Is spill prevention operating properly?	Yes	Yes	Yes	No
If No, select all that apply				Previous SB failed w/o site check
If other, describe				
O&M walkthrough inspection completed in accordance with national standard (e.g. PEI RP 900) (UST-27)?	Yes	Yes	Yes	Yes
3 Year Tightness Test Date (UST-6D/23A)				
Primary Tightness Test Result (UST-6D/23A)				
Secondary Tightness Test Result (UST-6D/23A)				
Tightness Testing done in accordance with a standard?				

OVERFILL PREVENTION

Has DWM been notified of overfill methods?	Yes

Overfill Control	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
Is overfill prevention equipment provided and verified?	Yes	Yes	Yes	Yes
Date overfill control provided	10/1/1994	6/6/2019	6/6/2019	6/6/2019
Type of overfill equipment	Auto Shutoff Device	Auto Shutoff Device	Auto Shutoff Device	Auto Shutoff Device
Source of information for overfill control verification	Visual observation	UST-22A	UST-22A	UST-22A
If other, describe				
Manufacturer/Model	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)
If other, describe				

Overfill Control	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
Is overfill control operating properly?	Yes	Yes	Yes	Yes
If No, select all that apply				
If other, describe				
Overfill check date (UST-22A)				
Overfill check result (UST-22A)				
Capacity of Tank in Gallons	4000	5000	4000	6000
Diameter (Inches)		96	64	96

Dispenser Sumps	Dispenser #1(1/2)	Dispenser #2(3/4)	Dispenser #3(DIESEL)
Are containment sumps present?	Yes	Yes	No
Installation Date	1/26/2022	1/26/2022	
Sump Manufacturer	Petroleum Containment: Disp Sump	Petroleum Containment: Disp Sump	
If Other (Specify)			
Sump Construction Type	Single Walled	Single Walled	
Sump Construction Material	Plastic	Plastic	
If Other (Specify)			
Are containment sumps monitored?	Yes	Yes	
Is monitoring required per 2N .0900?	Yes	Yes	No
Piping components and/or STP were installed/replaced on or after 11/1/07?	Yes	Yes	No
Are spills or small weeps evident in sumps?	No	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)	No	No	
UDC Visual Inspection Date (annually)(UST-22C)			
UDC Visual Inspection Results (UST-22C)			
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?			

Other Sumps	Sump#1(TRANSITION)
Are containment sumps present?	Yes
Installation Date	1/26/2022
Sump Manufacturer	Petroleum Containment: Trans Sump
If Other (Specify)	

Other Sumps	Sump#1(TRANSITION)
Sump Construction Type	Single Walled
Sump Construction Material	Plastic
If Other (Specify)	
Are containment sumps monitored?	Yes
Is monitoring required per 2N .0900?	Yes
Piping components and/or STP were installed/replaced on or after 11/1/07?	Yes
Are spills or small weeps evident in sumps?	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)	No
Sump Visual Inspection Date (annually) (UST-22C)	
Sump Visual Inspection Results (UST-22C)	
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	

SITING AND SECONDARY CONTAINMENT

Siting And Sec.Containment-General	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
UST system upgraded with corrosion protection, spill and overfill before 1/1/91?	No	No	No	No
UST system and/or piping are located within siting and secondary containment areas?	No	No	No	No

LEAK DETECTION

General	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
DWM notified of leak detection method?	Yes	No	No	No
Piping Type				
Piping type	European Suction	Suction System	Suction System	Suction System
if other, specify				
Suction check type	Dispenser	Dispenser	Dispenser	Dispenser
Type LLD present.	Not Required	Not Required	Not Required	Not Required
Tank Release Detection				
Primary leak detection method	Automatic Tank Gauging	Automatic Tank Gauging	Automatic Tank Gauging	Automatic Tank Gauging
if other, specify				

General	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
Primary LD install date	6/1/2010	6/1/2010	6/1/2010	6/1/2010
Secondary leak detection method				
if other, specify				
Piping Release Detection				
Primary leak detection method	Not Required	Interstitial Monitoring (IM)	Interstitial Monitoring (IM)	Interstitial Monitoring (IM)
if other, specify				
Primary LD install date	4/28/1984	1/26/2022	1/26/2022	1/26/2022
Secondary leak detection method				
if other, specify				
Equipment Checks				
Last 12 monthly RD equipment checks completed and all deficiencies corrected (UST-27)?	No	No	No	No
if no, select all that apply	Missing 3 or more months, Console power off	Missing 3 or more months, Console power off	Missing 3 or more months, Console power off	Missing 3 or more months, Console power off
Annual RD equipment operability check result (UST-22B)				
if Fail, select all that apply				
Annual RD equipment operability check date (UST-22B)				
RD equipment checks completed per national standard (e.g. PEI RP 900/1200) (UST-22B/27)?	No	No	No	No

PIPING LEAK DETECTION

Suction Piping	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
Line Tightness Tester	Choose Tester	Choose Tester	Choose Tester
Last LTT Test Date			
LTT Test Result			
Does test result indicate suspected release?			

AUTOMATIC TANK GAUGE

ATG Systems	ATG #1
ATG Manufacturer/Model	V-R: TLS-450 CSLD
If other, describe	
ATG Third Party Certified?	Yes
Is ATG console operational?	No
Tanks	#4(Regular 1)

ATG Monthly LD	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
2023 Jan	Temp Closed	None	None	None
2022 Dec	Temp Closed	None	None	None
2022 Nov	Temp Closed	None	None	None
2022 Oct	Temp Closed	None	None	None
2022 Sep	Temp Closed	None	None	None
2022 Aug	Temp Closed	None	None	None
2022 Jul	Temp Closed	None	None	None
2022 Jun	Temp Closed	None	None	Pass
2022 May	Temp Closed	None	None	Pass
2022 Apr	Temp Closed	None	None	Pass
2022 Mar	Temp Closed	None	None	Pass
2022 Feb	Temp Closed	None	None	Pass

ATG Conclusions	
Leak Detection Requirements Met?	No
Do the results indicate a suspected release?	No
Issues	0.2 Test not conducted for 3 or more months (LD1*), Records not available (RCD5)

INTERSTITIAL MONITORING AFTER 11/1/07

IM After 11/07-Consoles	IM Console #1
Manufacturer/Model of Interstitial Monitoring Console	V-R: TLS-450 CSLD
If other, describe	
Tanks	

IM After 11/07-Spill Buckets	Tank #4(Regular 1)
Does Tank have a Remote or Second Fill?	No
Manufacturer/Model of Sensor (UST-6B)	Visual Gauge: Spill bucket (Mech)
If other, describe	
Monitoring Type (UST-6B)	Float Gauge (Mech)
Sensor third party certified	

IM After 11/07-Spill Buckets	Tank #4(Regular 1)
Sensor Operability Check Date (annually) (UST-22B)	
Sensor Operability Check Results (UST-22B)	

IM After 11/07-Sumps	Sump #1(TRANSITION)
Manufacturer/Model of Sensor (UST-6B)	V-R: Sump Sens-Pipe 794380-208
If other, describe	
Monitoring Type (UST-6B)	Float Sensor
Sensor third party certified	Yes
Sensor Operability Check Date (annually) (UST-22B)	
Sensor Operability Check Results (UST-22B)	
Sensor < 2” off bottom	Yes
Pipe interstice open to sump (if monitored by sump sensor)	Yes
3 Year Tightness Test Date (UST-6F/23B)	
3 Year Tightness Test Result (UST-6F/23B)	

IM After 11/07-Pipes	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
Manufacturer/Model of Sensor (UST-6B)			
If other, describe			
Monitoring Type (UST-6B)	Sump Sensor	Sump Sensor	Sump Sensor
Sensor third party certified			
Sensor Operability Check Date (annually) (UST-22B)			
Sensor Operability Check Results (UST-22B)			
Secondary Tightness Test Date (UST-6G/23C)			
Secondary Tightness Test Results (UST-6G/23C)			
Secondary Tightness Test done in accordance manufacturer’s instructions (UST-6G/23C)?			

IM After 11/07-Dispensers	Dispenser #1(1/2)	Dispenser #2(3/4)
Manufacturer/Model of Sensor (UST-6B)	V-R: Sump Sens-Pipe 794380-208	V-R: Sump Sens-Pipe 794380-208
If other, describe		
Monitoring Type (UST-6B)	Float Sensor	Float Sensor
Sensor third party certified	Yes	Yes
Sensor Operability Check Date (annually) (UST-22B)		
Sensor Operability Check Results (UST-22B)		
Sensor < 2” off bottom	Yes	Yes
Pipe interstice open to sump (if monitored by sump sensor)	Yes	Yes
3 Year Tightness Test Date (UST-6F/23B)		
3 Year Tightness Test Result (UST-6F/23B)		

IM After 11/07-Spill Bucket Monthly Mechanical LD	Tank #4(Regular 1)
2023 Jan	None
2022 Dec	None
2022 Nov	None
2022 Oct	None
2022 Sep	None
2022 Aug	None
2022 Jul	None
2022 Jun	None
2022 May	None
2022 Apr	None
2022 Mar	None
2022 Feb	None

IM After 11/07-Dispenser Monthly LD	Dispenser #1(1/2)	Dispenser #2(3/4)
2023 Jan	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 Dec	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 Nov	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 Oct	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 Sep	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 Aug	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 Jul	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 Jun	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 May	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 Apr	Sensor: N Alarm: N	Sensor: N Alarm: N
2022 Mar	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Feb	Sensor: P Alarm: Y	Sensor: P Alarm: Y

IM After 11/07-Sump Monthly LD	Sump #1(TRANSITION)
2023 Jan	Sensor: N Alarm: N
2022 Dec	Sensor: N Alarm: N
2022 Nov	Sensor: N Alarm: N
2022 Oct	Sensor: N Alarm: N
2022 Sep	Sensor: N Alarm: N
2022 Aug	Sensor: N Alarm: N
2022 Jul	Sensor: N Alarm: N
2022 Jun	Sensor: N Alarm: N
2022 May	Sensor: N Alarm: N
2022 Apr	Sensor: N Alarm: N
2022 Mar	Sensor: P Alarm: Y
2022 Feb	Sensor: P Alarm: Y

IM After 11/07-SpillBucket Conclusions	
Leak Detection Requirements Met?	No
Do the results indicate a suspected release?	No
Issues	LD Monitoring (e.g. sensor status, monthly log) not conducted every 30 days, 3 or more missing (SECD3B)*, Alarm History not conducted every 30 days (SECD3B)*

IM After 11/07-Dispenser Conclusions	
Leak Detection Requirements Met?	No
Do the results indicate a suspected release?	No
Issues	Sensor Status not conducted every 30 days, 3 or more missing (SECD3A* / SECD3D), Alarm History not conducted every 30 days (SECD3A* / SECD3D), Records not available (RCD5)

IM After 11/07-Sump Conclusions	
Leak Detection Requirements Met?	No
Do the results indicate a suspected release?	No
Issues	Sensor Status not conducted every 30 days, 3 or more missing (SECD3A* / SECD3D), Alarm History not conducted every 30 days (SECD3A* / SECD3D), Records not available (RCD5)

TEMPORARY CLOSURE

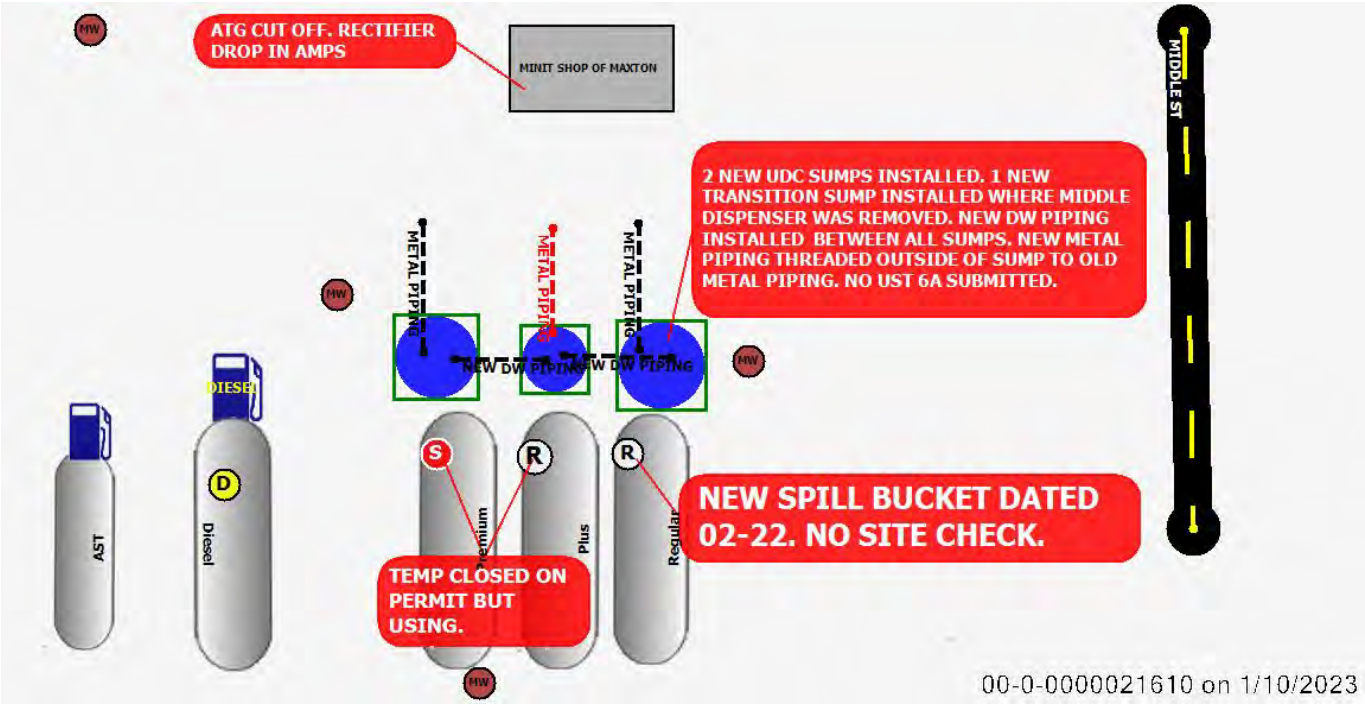
Temporary Closure	
Temporary Closure Requirements Met?	No
Issues	CP system not maintained: Test CP System by CP Tester (CL3:A1), Tank has not been emptied of product (CL3C), Lines, pumps, manways and ancillary equipment are not capped and secured (CL3E)

REPAIRS

Repairs	
Any Repair Issues?	No
Issues	

Delivery Information	Tank #1(Diesel)	Tank #2(REGULAR 2)	Tank #3(Premium)	Tank #4(Regular 1)
All deliveries made to permitted tanks	N/A	No	No	Yes

SITE DIAGRAM 1



Geological Resources, Inc.

February 22, 2022

Mr. Ken Currie
NCDEQ-UST Section
Fayetteville Regional Office
Systel Building
225 Green Street, Suite 714
Fayetteville, NC 28301-5043

Re: Ground Water and Soil Assessment Report
February 2022
Minit Shop
207 Middle Street
Maxton, Robeson County
North Carolina
Facility ID Number: 0-00-0000021610
Incident Number: 29456
GRI Project Number: 2548

Dear Mr. Currie,

Please find attached the referenced revised, report for the above mentioned site.
If you have any questions, please contact William Regenthal at 704-845-4010.

Sincerely,
Geological Resources, Inc.

Leslie Maxtone-Graham
Administrative Assistant

Enclosure

Cc: Mr. Hussein Amran & Mr. Ashaf Wadah, file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

Geological Resources, Inc.

Ground Water and Soil Assessment Report
February 2022
Minit Shop
207 Middle Street
Maxton, Robeson County
North Carolina
Facility ID Number: 0-00-0000021610
Incident Number: 29456
GRI Project Number: 2548

Prepared for:

Mr. Hussein Amran & Mr. Ashaf Wadah
207 Middle Street
Maxton, North Carolina 28364

February 22, 2022

William Regenthal, P.G.
Project Manager

Ethan Rogerson, G.I.T.
Report Writer

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012
Engineering Certification: C-2727 • Geology Certification: C-127

SITE INFORMATION

1. Site Identification

- Minit Shop (Facility ID 0-00-0000021610)
- Incident Number 29456 – Intermediate Risk (I225A)
- Location of Source Area: 207 Middle Street
  Maxton, NC 27958
  Robeson County
  34.7361680°N, 79.3483680°W (Topographical Map)

2. Information about Contacts Associated with the Leaking UST System

UST Owner
Hussein Amran & Ashaf Wadah
207 Middle Street
Maxton, NC 28364
Email Unknown
910-844-3382

Property Owner
Hussein Amran & Ashaf Wadah
207 Middle Street
Maxton, NC 28364
Email Unknown
910-844-3382

Consultant/Contractor
Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110
wlr@geologicalresourcesinc.com
704-845-4010

UST Operator
Hussein Amran & Ashaf Wadah
207 Middle Street
Maxton, NC 28364
Email Unknown
910-844-3382

Property Occupant
Minit Shop
207 Middle Street
Maxton, NC 28364
Email Unknown
910-844-3382

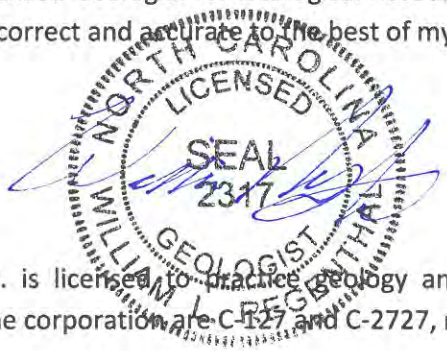
Analytical Laboratory
SGS North America, Inc.
4405 Vineland Road, Suite C-15
Orlando, FL 32811
State Certification No. 573
407-425-6700

3. Information about Release

- Release was discovered on July 2, 2007
- An unknown amount of product was released from the leaking UST System
- One 6,000-gallon gasoline, one 5,000-gallon gasoline, one 4,000-gallon gasoline and one 4,000-gallon diesel USTs and associated pumps and product piping are active at the site.

Certification:

I, William Regenthal, a Licensed Geologist for Geological Resources, Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge.



Geological Resources, Inc. is licensed to practice geology and engineering in North Carolina. The certification numbers of the corporation are C-127 and C-2727, respectively.

EXECUTIVE SUMMARY

Minit Shop is located at 207 Middle Street in Maxton, Robeson County, North Carolina. The site is currently owned and operated by Hussein Amran & Ashaf Wadah as a petroleum retail facility. A site check was conducted at the site in July 2007 following a non-passing compliance inspection conducted by NCDEQ. The site check identified a release at the site, which was reported to NCDEQ on July 2, 2007, and assigned incident number 29456. Currently, one 6,000-gallon gasoline, one 5,000-gallon gasoline, one 4,000-gallon gasoline and one 4,000-gallon diesel USTs are active at the site. The adjoining properties are a mixture of commercial and residential properties. According to the information determined during previous receptor survey activities, one non-potable well is located approximately 950 feet southwest from the source area and one municipal water supply well (WSW-1) is located approximately 1,410 feet northwest of the site, which was taken offline in 2011 and is no longer active. Public water is available to the site and surrounding properties within a 1,500-foot radius of the site.

On January 26, 2022, three temporary monitoring wells (TMW-3, TMW-4 and TMW-5) were installed to total depths of 15 feet BGS, each. Concentrations of Individual BTEX constituents, MTBE, naphthalene, tert-amyl alcohol, tert-amyl methyl ether, n-butylbenzene, sec-butylbenzene, isopropylbenzene, p-isopropyltoluene, n-propylbenzene, 1,2,4-trimethylbenzene and/or 1,3,5-trimethylbenzene exceeded the MACs in ground water samples collected from TMW-3, TMW-4 and TMW-5. Concentrations of benzene, xylenes, MTBE, naphthalene, tert-amyl alcohol and/or 1,2,4-trimethylbenzene that exceeded the GCLs were reported in the ground water samples collected from TMW-3, TMW-4 and TMW-5.

On January 26, 2022, soil samples were collected during temporary well installations at depths of 1, 4, 6, 9 and 15 feet BGS. A total of 15 soil samples were collected and analyzed for TPH-GRO and TPH-DRO using a mobile UVF laboratory. Concentrations of GRO and/or DRO that exceeded the RALs were reported in the soil samples collected from TMW-4-1', TMW-4-4', TMW-4-6', TMW-4-9', TMW-5-1', TMW-5-4', TMW-5-6', TMW-5-9', TMW-5-15', TMW-6-1', TMW-6-4', TMW-6-6', TMW-6-9' and TMW-6-15'.

On January 26, 2022, three Type II monitoring wells (MW-1, MW-2 and MW-21) were gauged. The three monitoring wells contained free product and were not sampled.

Based on this information, the soil around the UST basin is contaminated and should be excavated and transported to a permitted disposal facility during UST removal activities. Additionally, while the USTs are being removed, site remediation efforts, including the expansion of soil excavation activities should be considered as an effective means for site remediation.

ACRONYMS

ACM: Asbestos Containing Materials

AFVR: Aggressive Fluid-Vapor Recovery

ARR: Acknowledgement of Report Receipt

AS: Air Sparging

AST: Aboveground Storage Tank

ASTM: American Society for Testing and Materials

BGS: Below Ground Surface

CAP: Corrective Action Plan

CFR: Code of Federal Regulations

CSA: Comprehensive Site Assessment

DPE: Dual Phase Extraction

DRO: Total Petroleum Hydrocarbons Diesel Range Organics

DWM: Division of Waste Management

DWR: Department of Water Resources

EPA: Environmental Protection Agency

EPH: Extractible Petroleum Hydrocarbons

ESA: Environmental Site Assessment

GCL: Gross Contamination Level

GRI: Geological Resources, Inc.

GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

LSA: Limited Site Assessment

MAC: Maximum Allowable Concentration as specified in T15A NCAC 2L.0202

MADEP: Massachusetts Department of Environmental Protection

MCC: Maximum Contaminant Concentrations

MMPE: Mobile Multi-Phase Extraction

NAPL: Non-Aqueous Phase Liquid, "Free Product"

NCDEQ: North Carolina Department of Environmental Quality

NCDOT: North Carolina Department of Transportation

NFA: Notice of No Further Action

NORR: Notice of Regulatory Requirements

NOV: Notice of Violation

NPDES: National Pollutant Discharge Elimination System

NRP: Notice of Residual Petroleum

O&M: Operation and Maintenance

PAHs: Polynuclear Aromatic Hydrocarbons

PCA: Pre-Construction Assessment

RAL: Regulatory Action Level

SCLs: Soil Cleanup Level

SPCC: Spill Prevention Control and Countermeasures

SVE: Soil Vapor Extraction

SVOCs: Semi-Volatile Organic Compounds

SWPPP: Stormwater Pollution Prevention Plan

TCLP: Toxicity Characteristic Leaching Procedure (EPA Method SW-846 1311)

TOC: Top of Casing

TPH: Total Petroleum Hydrocarbons

USGS: United States Geological Survey

UST: Underground Storage Tank

UVF: Ultraviolet Fluorescence

VOCs: Volatile Organic Compounds

VPH: Volatile Petroleum Hydrocarbons

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ACRONYMS iii

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Figure 1: Site Location Map
Figure 2: Site Map
Figure 3: Site Vicinity Map
Figure 4: Soil Quality Map
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Table 3: Water Supply Well Information
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APPENDICES

Appendix A: State Correspondence
Appendix B: Boring Logs
Appendix C: Laboratory Report – Ground water
Appendix D: Mobile Laboratory Report – Soil Samples

1.0 SITE HISTORY AND CHARACTERIZATION

GRI presents the results of the January 2022 soil assessment event at the Minit Shop site; located at 207 Middle Street in Maxton, Robeson County, North Carolina (**Figure 1**). These activities were conducted in accordance with GRI Proposal No. 21-455, which was submitted to NCDEQ on October 8, 2021, and was approved as Task Authorization No.29456-12 on October 12, 2021. State correspondence has been included as **Appendix A**.

The site is currently owned and operated by Hussein Amran & Ashaf Wadah as a petroleum retail facility and convenience store. A site check was conducted at the site in July 2007 following a non-passing compliance inspection by NCDEQ. During the site check, soil samples were collected around the UST basin, at each fill port, along the product lines and at each dispenser. The site check identified contaminated soil above the RALs around the UST basin, along the product piping and at dispensers. The release was reported to NCDEQ on July 2, 2007, and was assigned incident number 29456. Currently, one 6,000-gallon gasoline, one 5,000-gallon gasoline, one 4,000-gallon gasoline and one 4,000-gallon diesel USTs are active at the site. UST owner/operator information and UST system information are included as **Tables 1** and **2**, respectively. The Registered Tank Report is shown below:

NCDEQ Registered Tank Report

Facility Id	00-0-0000021610	Tank Owner	AMRAN SALEH HUSSEIN AND WA
Facility Name	MINIT SHOP OF MAXTON	Address	ASHAIF - 207 MIDDLE STREET
Address	207 MIDDLE ST	City	MAXTON
City	MAXTON	State	NC
State	NC	Zip	28364-1831
County	Robeson		
Zip	28364		
Longitude	-79.34838		
Latitude	34.736183		

Tank Information

Tank Id	Product Name	Capacity	Installation Date	Perm Close Date	Tank Construction	Piping Construction	OverFill Protection	Spill Protection	Tank Status
1	Gasoline, Gas Mix	6000	4/28/1984		Single Wall Steel	Single Wall Steel	Auto Shutoff Device	Catchment Basin	Current
2	Gasoline, Gas Mix	5000	4/28/1984		Single Wall Steel	Single Wall Steel	Auto Shutoff Device	Catchment Basin	Current
3	Gasoline, Gas Mix	4000	4/28/1984		Single Wall Steel	Single Wall Steel	Auto Shutoff Device	Catchment Basin	Current
4	Diesel	4000	4/28/1984		Single Wall Steel	Single Wall Steel	Auto Shutoff Device	Catchment Basin	Current

Wednesday, April 1, 2020 Page 1 of 1

The site and surrounding area are a mixture of residential and commercial properties. The site contains one building (the store) and is primarily capped with concrete and asphalt. The overall topography at the site is relatively flat. No surface water bodies were identified within a 500-foot radius of the site. Twenty-one Type II monitoring wells (MW-1 through MW-21) and one Type III monitoring well (TW-1) were installed at the site during previous ground water assessment activities. A Site Map showing the locations of the monitoring wells and the structures on-site has been included as **Figure 2**.

On December 26, 2013, GRI personnel updated the receptor survey at the site. Based on the previously conducted receptor survey, one formerly potable municipal water supply well and one non-potable irrigational well were identified within a 1,500-foot radius of the site. The site lies within the approved wellhead protection area for the Town of Maxton. According to the Town of Maxton Water Department, the municipal supply well (WSW-1) is no longer a source of potable water to the community. Municipal water is available to the site and surrounding properties. Water supply well information and adjacent property owner information are presented in **Table 3 and Table 4**, respectively. A Site Vicinity Map showing the adjacent properties has been included as **Figure 3**.

A CAP has not been completed for this site, however MMPE and AFVR events have been periodically conducted at the site to remove free product and reduce contaminant concentrations. To date, two AFVR and two MMPE events have been conducted at the site along with hand bailing, absorbent socks and skimmers.

2.0 GROUND WATER ANAYLTICAL RESULTS

On January 26, 2022, three Type II monitoring wells (MW-1, MW-2 and MW-21) were gauged. The three monitoring wells contained free product and were not sampled. Well construction and gauging information is presented in **Table 5**. A summary of the current ground water gauging data is shown below:

Well ID	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation (ft.)	Depth to Water from Top of Casing (feet)	Free Product Thickness (ft.)	Ground Water Elevation (ft.)
MW-1	3 - 18	18	100.00	7.40	1.25	93.67
MW-2	2 - 16	16	99.20	8.12	2.08	92.86
MW-21	2 - 12	12	99.48	7.35	1.26	93.21

Three temporary monitoring wells (TMW-3, TMW-4 and TMW-5) were installed to total depths of 15 feet BGS, each. Concentrations of Individual BTEX constituents, MTBE, naphthalene, tert-amyl alcohol, tert-amyl methyl ether, n-butylbenzene, sec-butylbenzene, isopropylbenzene, p-isopropyltoluene, n-propylbenzene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene that exceeded the MACs were reported in the ground water samples collected from TMW-3, TMW-4 and TMW-5. Concentrations of benzene, MTBE, naphthalene, tert-amyl alcohol and 1,2,4-trimethylbenzene that exceeded the GCLs were reported in the ground water samples collected from TMW-3, TMW-4 and/or TMW-5. A summary of the analytical results for ground water samples collected in January 2022 is presented in **Table 6**. A Ground Water Quality Map based on the January 2022 data is included as **Figure 4**. A complete report of laboratory analyses of the ground water samples collected from the monitoring wells during the January 2022 sampling event has been included as **Appendix B**. A summary of the current ground water analytical data is shown below:

Contaminant of Concern → / Well ID	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MACs (mg/l)	**1**	**600**	**600**	**500**	**20**	**6**
GCL (mg/l)	***5,000***	***260,000***	***80,000***	***50,000***	***20,000***	***6,000***
MW-1	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***
MW-2	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***
MW-21	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***
TMW-3	***12,300***	**13,500**	**2,280**	**8,430**	**17,200**	**401**
TMW-4	***21,800***	**69,400**	**13,300**	***78,500***	**6,230**	***16,900***
TMW-5	***33,000***	**57,400**	**4,100**	**20,100**	***58,800***	**1,060 J**

3.0 SOIL ANAYLTICAL RESULTS

On January 26, 2022, soil samples were collected during temporary well installation activities at depths of 1, 4, 6, 9 and 15 feet BGS. A total of 15 soil samples were collected and analyzed for TPH-GRO and TPH-DRO using a mobile UVF laboratory. Concentrations of GRO and/or DRO that exceeded the RALs were reported in the soil samples collected from TMW-4-1', TMW-4-4', TMW-4-6', TMW-4-9', TMW-5-1', TMW-5-4', TMW-5-6', TMW-5-9', TMW-5-15', TMW-6-1', TMW-6-4', TMW-6-6', TMW-6-9' and TMW-6-15'. The locations of the soil borings are shown on **Figure 7**. The soil boring logs are included as **Appendix C**. The soil sampling results are presented in **Table 5**. A copy of the UVF laboratory report is included as **Appendix D**. A summary of the soil analytical data is shown below:

Sample ID	Depth	TPH-GRO	TPH-DRO
Regulatory Action Level		**50**	**100**
TMW-4-1'	1	**130**	**103**
TMW-4-4'	4	**702**	70
TMW-4-6'	6	**1,760**	**454**
TMW-4-9'	9	**455**	79
TMW-4-15'	15	44	17
TMW-5-1'	1	**1,810**	**433**
TMW-5-4'	4	**1,530**	**395**
TMW-5-6'	6	**972**	**211**
TMW-5-9'	9	**2,340**	**511**
TMW-5-15'	15	**121**	**119**
TMW-6-1'	1	**1,288**	**604**
TMW-6-4'	4	**1,792**	**340**
TMW-6-6'	6	**1,628**	**572**
TMW-6-9'	9	**2,575**	**588**
TMW-6-15'	15	**164**	80

4.0 FREE PRODUCT REMOVAL

Free product has historically been present in MW-1, MW-2 and MW-4. Currently, free product present in MW-1, MW-2 and MW_21. MMPE and AFVR events, along with the use of skimmers, absorbent socks and hand bailing have been used to remove free product at the site. On September 8, 2020, the absorbent boom that had been installed in MW-1 was removed.

Free product thicknesses of 1.25, 2.08 and 1.26 feet were measured in MW-1, MW-2 and MW-21, respectively, during the January 2022 gauging event. Free product recovery should continue at the site until free product is no longer present. Free product recovery information is summarized in **Tables 8, 9** and **10**.

5.0 NATURAL ATTENUATION / NATURAL SOURCE ZONE DEPLETION STATUS

AFVR and MMPE events are being conducted at the site as the primary method of corrective action. No CAP has been completed for this site thus, no natural attenuation monitoring plan is currently in place at the site. If the current UST system is removed from the site, soil surrounding the USTs should be excavated and transported to a permitted disposal facility. Additionally, soil excavation activities should be expanded to include areas where free product and/or GCL exceedances had historically been observed.

6.0 CONCLUSIONS

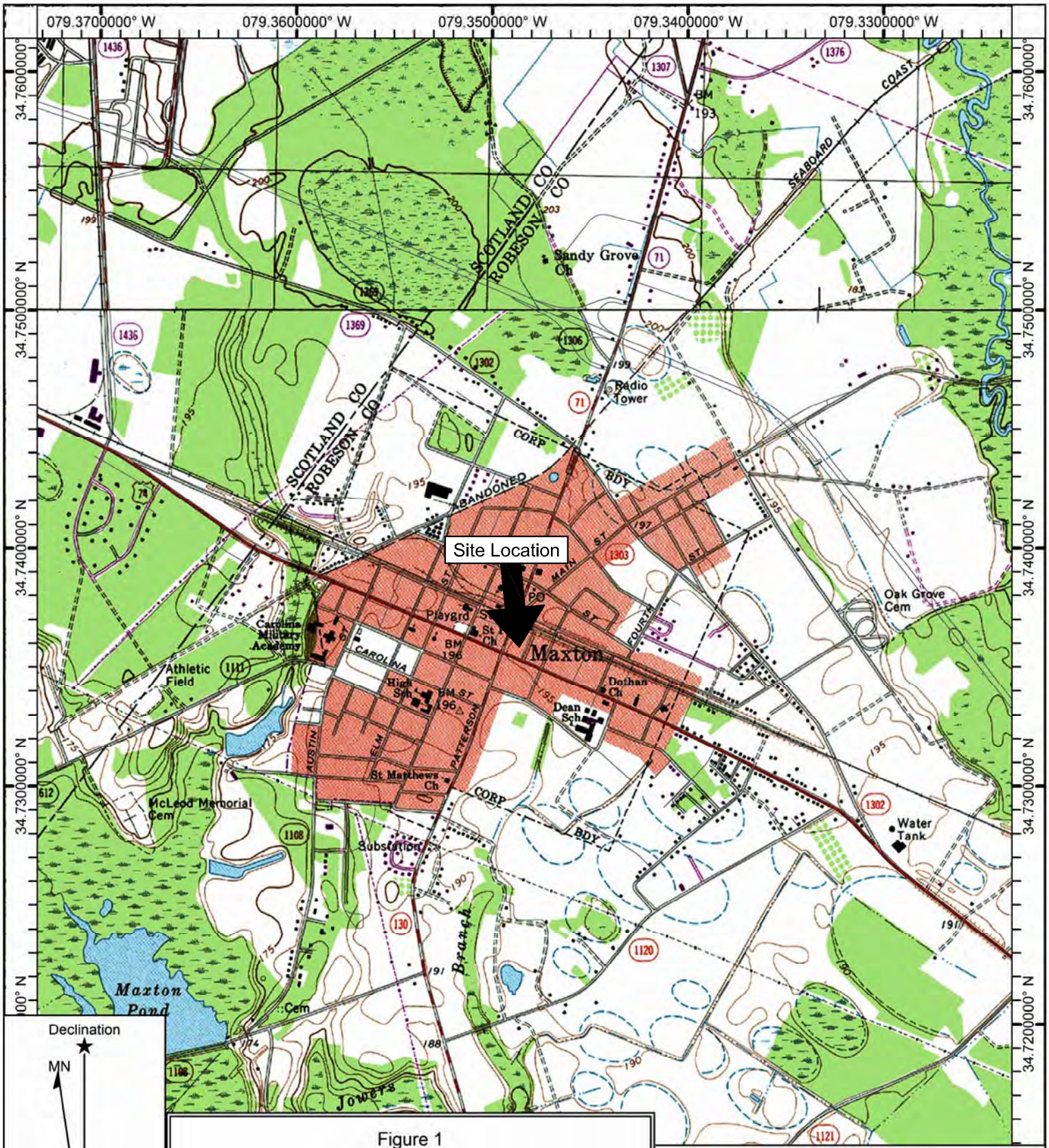
- On January 26, 2022, three temporary monitoring wells (TMW-3, TMW-4 and TMW-5) were installed to total depths of 15 feet BGS, each.
- Concentrations of Individual BTEX constituents, MTBE, naphthalene, tert-amyl alcohol, tert-amyl methyl ether, n-butylbenzene, sec-butylbenzene, isopropylbenzene, p-isopropyltoluene, n-propylbenzene, 1,2,4-trimethylbenzene and/or 1,3,5-trimethylbenzene exceeded the MACs in ground water samples collected from TMW-3, TMW-4 and TMW-5. Concentrations of benzene, MTBE, naphthalene, tert-amyl alcohol and/or 1,2,4-trimethylbenzene that exceeded the GCLs were reported in the ground water samples collected from TMW-3, TMW-4 and TMW-5.
- Soil samples were collected during temporary well installation activities at depths of 1, 4, 6, 9 and 15 feet BGS. A total of 15 soil samples were collected and analyzed for GRO and DRO using a mobile UVF laboratory. Concentrations of GRO and/or DRO that exceeded the RALs were reported in the soil samples collected from TMW-4-1', TMW-4-4', TMW-4-6', TMW-4-9', TMW-5-1', TMW-5-4', TMW-5-6', TMW-5-9', TMW-5-15', TMW-6-1', TMW-6-4', TMW-6-6', TMW-6-9' and TMW-6-15'.
- Three Type II monitoring wells (MW-1, MW-2 and MW-21) were gauged. The three monitoring wells contained free product and were not sampled.
- Based on this information, the soil around the UST basin is contaminated and should be excavated and transported to a permitted disposal facility during UST removal activities. Additionally, while the USTs are being removed, site remediation efforts, including the expansion of soil excavation activities should be considered as an effective means for site remediation.

7.0 LIMITATIONS

This report has been prepared for the exclusive use of Minit Shop for specific application to the referenced site in Robeson County, North Carolina. The assessment was conducted based on the scope of work and level of effort desired by NCDEQ and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of environmental practices in the State of North Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data that are presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. In addition, the data obtained from samples would be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from these data.

FIGURES



Declination

MN

MN 8.53° W

Figure 1
Minit Shop
207 Middle Street
Maxton, North Carolina
Incident No. 29456
GRI Project No. 2548

SCALE 1:24000

0 1000 2000 3000 4000 5000

FEET

Name: Site Location Map
Date: 07/13/16
Scale: 1 inch = 2,000 ft.

Map Center Location: 034.7361680° N 079.3483680° W

Generated by Geological Resources, Inc.

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- TEMPORARY MONITORING WELL
- SOIL BORING LOCATION
- DISPENSER
- POWER POLE
- ABANDONED MONITORING WELL
- FENCE
- ELECTRIC LINE (OVERHEAD)
- NATURAL GAS LINE
- WATER LINE
- PRODUCT LINE
- UNDERGROUND STORAGE TANK BASIN
- SUBJECT PROPERTY BOUNDARY

Note:
This Site Map is based on a Site Plan dated June 25, 2011 that was prepared by Singleton Environmental, Inc.

Geological Resources, Inc.

0 17.5 35 70

(IN FEET)
1 inch = 35 ft

SITE MAP

Minit Shop
Incident No. 29456
GRI Project No. 2548

207 Middle Street
Maxton, North Carolina
Robeson County

Date:	02/19/2022	Drawn by:	DTH	Figure:	2

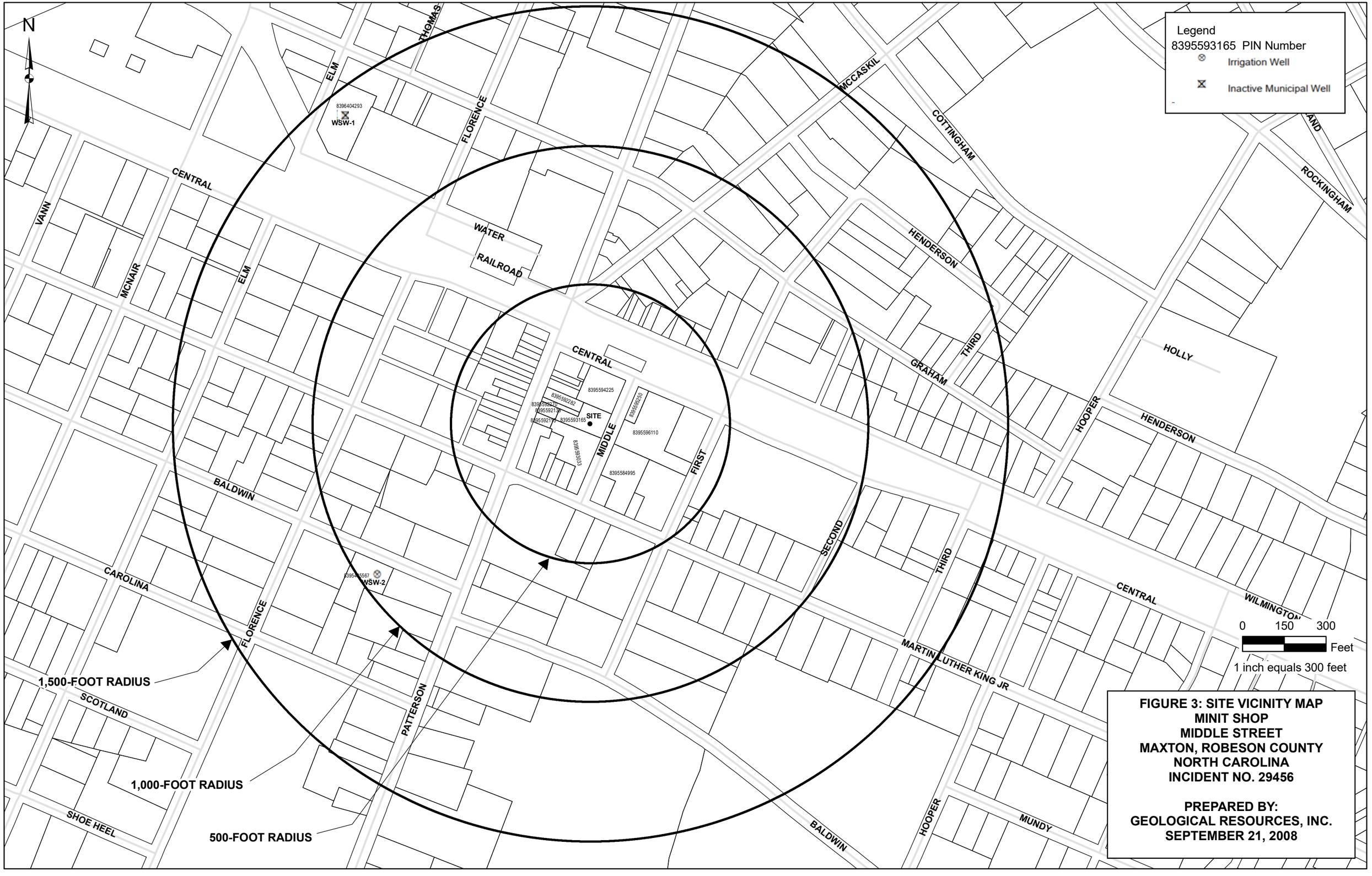


FIGURE 3: SITE VICINITY MAP
MINIT SHOP
MIDDLE STREET
MAXTON, ROBESON COUNTY
NORTH CAROLINA
INCIDENT NO. 29456

PREPARED BY:
GEOLOGICAL RESOURCES, INC.
SEPTEMBER 21, 2008

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- TEMPORARY MONITORING WELL
- SOIL BORING LOCATION
- DISPENSER
- POWER POLE
- ABANDONED MONITORING WELL
- FENCE
- ELECTRIC LINE (OVERHEAD)
- NATURAL GAS LINE
- WATER LINE
- PRODUCT LINE
- UNDERGROUND STORAGE TANK BASIN
- SUBJECT PROPERTY BOUNDARY

Contaminant of Concern →				Gasoline-Range TPH	Diesel-Range TPH
Sample ID	Date Collected (mm/dd/yy)	Sample Location	Sample Depth (ft-BGS)		
RAL (mg/kg)				50	100
TMW-4-1'	01/26/22		1	130	103
TMW-4-4'	01/26/22		4	702	70
TMW-4-6'	01/26/22		6	1,760	454
TMW-4-9'	01/26/22		9	455	79
TMW-4-15'	01/26/22		15	44	17
TMW-5-1'	01/26/22		1	1,810	433
TMW-5-4'	01/26/22		4	1,530	395
TMW-5-6'	01/26/22	UST Basin	6	972	211
TMW-5-9'	01/26/22		9	2,340	511
TMW-5-15'	01/26/22		15	121	119
TMW-6-1'	01/26/22		1	1,288	604
TMW-6-4'	01/26/22		4	1,792	340
TMW-6-6'	01/26/22		6	1,628	572
TMW-6-9'	01/26/22		9	2,572	588
TMW-6-15'	01/26/22		15	164	80

Geological Resources, Inc.

0 17.5 35 70

(IN FEET)
1 inch = 35 ft

SOIL QUALITY MAP (01/26/22)

Minit Shop
Incident No. 29456
GRI Project No. 2548

207 Middle Street
Maxton, North Carolina
Robeson County

Date: 02/19/2022 | Drawn by: DTH | Figure: 4

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- TEMPORARY MONITORING WELL
- SOIL BORING LOCATION
- DISPENSER
- POWER POLE
- ABANDONED MONITORING WELL
- FENCE
- ELECTRIC LINE (OVERHEAD)
- NATURAL GAS LINE
- WATER LINE
- PRODUCT LINE
- UNDERGROUND STORAGE TANK BASIN
- SUBJECT PROPERTY BOUNDARY

Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
Well ID	Date Collected (mm/dd/yy)						
MAC (mg/l)		1	600	600	500	20	6
GCL (mg/l)		5,000	260,000	80,000	50,000	20,000	6,000
MW-1	01/26/22	FP	FP	FP	FP	FP	FP
MW-2	01/26/22	FP	FP	FP	FP	FP	FP
MW-21	01/26/22	FP	FP	FP	FP	FP	FP
TMW-4	01/26/22	12,300	13,500	2,280	8,430	17,200	401
TMW-5	01/26/22	21,800	69,400	13,300	78,500	6,230	16,900
TMW-6	01/26/22	33,000	57,400	4,100	20,100	58,800	1,060 J

Geological Resources, Inc.

0 17.5 35 70

(IN FEET)
1 inch = 35 ft

GROUND WATER QUALITY MAP (01/26/22)

Minit Shop
Incident No. 29456
GRI Project No. 2548

207 Middle Street
Maxton, North Carolina
Robeson County

Date: 02/19/2022 | Drawn by: DTH | Figure: 5

TABLES

TABLE 1
UST OWNER/OPERATOR INFORMATION
MINIT SHOP (INCIDENT NO. 29456)

UST ID Number	1 to 4	**Facility ID Number**	0-021610
Name of Owner or Operator		**Dates of Ownership / Operation**	**Owner or Operator?**
Hussein S. Amran & Ashaf M. Wadah		07/01/2005 - present	Owner/operator
Address			**Telephone Number**
207 Middle Street, Maxton, North Carolina 28364			(910) 844-3382

UST ID Number	1 to 4	**Facility ID Number**	0-021610
Name of Owner or Operator		**Dates of Ownership / Operation**	**Owner or Operator?**
Martin McLaughlin		04/28/1984 - 07/01/2005	Owner/operator
Address			**Telephone Number**
Unknown			Unknown

TABLE 2
UST SYSTEM INFORMATION
MINIT SHOP (INCIDENT NO. 29456)

Date: 03/06/20 **Facility ID # :** 0-021610

UST ID No.	Current or Most Recent Contents	Previous Contents	Capacity (gallons)	Date Installed	Construction Details	Tank Dimensions	Description of Associated Product Piping and Pumps	Status of UST	Was Release Associated with UST System? (Yes / No)
1	Gasoline	Unknown	6,000	04/28/84	Steel	8' x 16'	Single Wall Steel	Active	Yes
2	Gasoline	Unknown	5,000	04/28/84	Steel	8' x 13' 6"	Single Wall Steel	Active	Yes
3	Gasoline	Gasoline	4,000	04/28/84	Steel	64" x 24'	Single Wall Steel	Active	Yes
4	Diesel	Kerosene	4,000	04/28/84	Steel	64" x 24'	Single Wall Steel	Active	Yes

TABLE 3
WATER SUPPLY WELL INFORMATION
MINIT SHOP (INCIDENT NO. 29456)

Date: 12/26/13 **Facility ID #:** 0-021610

Well #	Parcel ID	Well Owner	Mailing Address	Well Use (Potable/ Agricultural, etc.)	Municipal Water Confirmed?	Well Depth (ft BGS)	Type of Well (Drilled/Bored)	Well Casing Depth (ft. BGS)	Well Screen Interval (x to y ft. BGS)	Distance from source area of release (ft.)
WSW-1	8396-4042-9300	Town of Maxton	PO Box 99 Maxton, NC 28364	Inactive	unoccupied	204	Drilled	65	85 - 151	~ 1,410' NW
WSW-2	8395-4855-6700	Edith S. Morris	105 West Baldwin Street Maxton, NC 28364	Irrigation	Yes	100	Drilled	Unknown	Unknown	~ 950' SW

Notes:

- Water supply wells are keyed to **Figure 3.**
- NA : Data not available.
- Ft. BGS : Feet below ground surface.

TABLE 4
ADJACENT PROPERTY OWNER INFORMATION
MINIT SHOP (INCIDENT NO. 29456)

Date: 03/06/20 **Facility ID #:** 0-021610

Parcel Number	Owner Name	Address
8395-5931-6500 (Site)	Amran S. Hussein & Wadah M. Ashaf	207 Middle Street, Maxton, NC 28364
8395-5942-2500	Clinton Graham	95-02 Sutphin Boulevard, Jamaica, NY 11435
8395-5922-8200		
8395-5922-7000	Christopher F. Chestnut & Wife	116 North Patterson Street, Maxton, NC 28364
8395-5921-3900	Dofflin F. & Lottie Chestnut	114 North Patterson Street, Maxton, NC 28364
8395-5920-1300	David S. & Wanda T. Hester	1006 North Walnut Street, Lumberton, NC 28358
8395-5930-3300	A.H. Currie Heirs C/O Cordle K. Sheila	200 Trade Street Apartment F207, Tarboro, NC 27886
8395-5849-9500	Doris A. Chavis	Post Office Box 109, Walthourville, GA 31333
8395-5961-1000		
8395-5921-1500	Ryan & Amy Bryant	1873 Elrod Road, Maxton, NC 28364

Note:

- Properties are keyed to **Figure 3**.

TABLE 5
WELL CONSTRUCTION AND GAUGING INFORMATION
MINIT SHOP (INCIDENT NO. 29456)

Date: 02/16/22 **Facility ID # :** 0-021610

Well ID	Date Water Level Measured (mm/dd/yy)	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing (ft.)	Free Product Thickness** (ft.)	Groundwater Elevation (ft.)	Comments
MW-1	07/20/12	3	3 - 18	18	143.78	4.31	0.02	139.49	Pre-AFVR
						4.74	0.00	139.04	Post-AFVR
	05/21/13					4.20	0.15	139.71	
	05/23/13				100.00	4.30	0.06	95.75	
	11/13/13					9.03	0.94	91.78	
	05/11/15					4.84	0.00	95.16	Before MMPE
	05/15/15					5.12	0.00	94.88	After MMPE
	06/15/15					4.07	0.08	96.00	
	11/09/15					2.70	0.00	97.30	
	11/13/15					3.14	0.00	96.86	
	12/16/15					3.84	0.02	96.18	
	06/14/16					4.87	1.55	96.46	
	11/01/16					4.00	0.00	96.00	Skimmer Maintenance
	12/27/16					3.91	0.00	96.09	Skimmer Maintenance
	01/24/17					3.50	0.02	96.52	Skimmer Maintenance
	02/27/17					4.61	0.00	95.39	Skimmer Maintenance
	03/27/17					4.43	0.00	95.57	
	01/17/18					8.87	0.86	91.87	Boom Installed
	02/28/18					NM	0.02	NA	Boom Replaced
	03/20/18					4.56	0.01	95.45	Boom Replaced
	01/22/20					2.30	0.24	97.91	Pre-AFVR
	01/22/20					3.19	0.00	96.81	Post-AFVR
	02/20/20					2.61	0.09	97.47	
	09/08/20					4.58	0.01	95.43	
	10/07/20					3.50	0.00	96.50	
	01/26/22					7.40	1.25	93.67	
MW-2	07/20/12	2	2 - 16	16	142.94	3.50	0.25	139.65	Pre-AFVR
						4.50	0.00	138.44	Post-AFVR
	05/21/13					3.75	0.69	139.78	
	05/23/13				99.20	3.55	0.12	95.75	
	11/13/13					7.82	0.51	91.82	
	05/11/15					4.38	0.60	95.33	Before MMPE
	05/15/15					4.88	0.00	94.32	After MMPE
	06/15/15					3.07	0.09	96.21	
	11/09/15					1.67	0.00	97.53	
	11/13/15					3.12	0.00	96.08	
	12/16/15					2.89	0.03	96.34	
	06/14/16					2.82	0.18	96.53	
	11/01/16					3.12	0.00	96.08	Boom Maintenance
	12/27/16					3.12	0.00	96.08	Boom Maintenance
	01/24/17					3.62	0.00	95.58	Boom Maintenance
	02/27/17					3.72	0.00	95.48	Boom Maintenance
	03/27/17					3.54	0.00	95.66	
	01/17/18					7.41	0.14	91.91	Boom Installed
	02/28/18					NM	0.10	NA	Boom Replaced
	03/20/18					5.91	0.06	93.34	Boom Replaced
	01/22/20					2.34	0.28	97.10	Pre-AFVR
	01/22/20					3.52	0.00	95.68	Post-AFVR
	02/20/20					2.43	0.19	96.93	
	09/08/20					3.91	0.01	95.30	
	10/07/20					2.50	0.02	96.72	
	01/26/22					8.12	2.08	92.86	
MW-3	05/21/13	3	3 - 18	18	144.00	4.01	0.00	139.99	
	05/23/13				100.25	4.12	0.00	96.13	
	11/13/13					8.34	0.00	91.91	
	05/11/15					4.73	0.00	95.52	Before MMPE
	05/15/15					5.22	0.00	95.03	After MMPE
	06/15/15					3.98	0.00	96.27	
	11/09/15					2.70	0.00	97.55	
	11/13/15					2.98	0.00	97.27	
	12/16/15					3.75	0.00	96.50	
	06/14/16					3.15	0.00	97.10	
	03/27/17					4.41	0.00	95.84	
	01/17/18					8.27	0.00	91.98	
	02/20/20					0.89	0.00	99.36	
	10/07/20					3.44	0.00	96.81	
MW-4	05/21/13	3	3 - 18	18	143.17	3.22	0.00	139.95	
	05/23/13				99.37	3.23	0.02	96.16	
	11/13/13					7.89	0.04	91.51	
	05/11/15					3.82	0.00	95.55	Before MMPE
	05/15/15					4.85	0.00	94.52	After MMPE
	06/15/15					3.18	0.00	96.19	
	11/09/15					0.80	0.00	98.57	
	11/13/15					3.45	0.00	95.92	
	12/16/15					NM	NM	NM	Not Located
	06/14/16					NM	NM	NM	Not Located
	01/17/18					7.20	0.00	92.17	
	01/22/20					2.03	0.00	97.34	Pre-AFVR
	01/22/20					2.14	0.00	97.23	Post-AFVR
	02/20/20					3.01	0.00	96.36	
	10/07/20					2.58	0.00	96.79	

TABLE 5
WELL CONSTRUCTION AND GAUGING INFORMATION
MINIT SHOP (INCIDENT NO. 29456)

Date: 02/16/22 **Facility ID # :** 0-021610

Well ID	Date Water Level Measured (mm/dd/yy)	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing (ft.)	Free Product Thickness** (ft.)	Groundwater Elevation (ft.)	Comments
MW-5	05/22/13	5	5 - 15	15	99.01	2.26	0.00	96.75	
	06/15/15					2.31	0.00	96.70	
	12/16/15					2.43	0.00	96.58	
	06/14/16					2.16	0.00	96.85	
	02/20/20					0.29	0.00	98.72	
MW-6	05/22/13	5	5 - 15	15	98.94	3.32	0.00	95.62	
	06/15/15					3.11	0.00	95.83	
	12/16/15					2.76	0.00	96.18	
	06/14/16					2.71	0.00	96.23	
	03/27/17					3.28	0.00	95.66	
	01/17/18					7.20	0.00	91.74	
	02/20/20					1.37	0.00	97.57	
	09/08/20					3.46	0.00	95.48	
	10/07/20					2.67	0.00	96.27	
MW-7	05/23/13	5	5 - 15	15	100.16	5.15	0.00	95.01	
	06/15/15					3.42	0.00	96.74	
	12/16/15					3.49	0.00	96.67	
	06/14/16					3.12	0.00	97.04	
	03/27/17					3.99	0.00	96.17	
	02/20/20					0.52	0.00	99.64	
MW-8	05/23/13	5	5 - 15	15	99.44	3.00	0.00	96.44	
	06/15/15					2.79	0.00	96.65	
	12/16/15					2.84	0.00	96.60	
	06/14/16					2.52	0.00	96.92	
	02/20/20					0.00	0.00	99.44	
MW-9	05/23/13	3	3 - 13	13	98.53	2.85	0.00	95.68	
	06/15/15					2.49	0.00	96.04	
	12/16/15					2.34	0.00	96.19	
	06/14/16					2.31	0.00	96.22	
	01/17/18					5.54	0.00	92.99	
	02/20/20					1.55	0.00	96.98	
MW-10	05/11/15	5	5 - 15	15	99.07	3.60	0.00	95.47	Before MMPE
	05/15/15					4.29	0.00	94.78	After MMPE
	06/15/15					2.85	0.00	96.22	
	11/09/15					1.58	0.00	97.49	
	11/13/15					3.12	0.00	95.95	
	12/16/15					2.66	0.00	96.41	
	06/14/16					2.43	0.00	96.64	
	03/27/17					3.31	0.00	95.76	
	01/17/18					7.11	0.00	91.96	
	01/22/20					2.74	0.00	96.33	Pre-AFVR
	01/22/20					2.87	0.00	96.20	Post-AFVR
	02/20/20					2.63	0.00	96.44	
	10/07/20					2.35	0.00	96.72	
MW-11	05/23/13	5	5 - 15	15	100.59	4.07	0.00	96.52	
	06/15/15					3.81	0.00	96.78	
	12/16/15					3.77	0.00	96.82	
	06/14/16					3.14	0.00	97.45	
	02/20/20					2.84	0.00	97.75	
MW-12	11/13/13	3	3 - 13	13	99.42	7.71	0.00	91.71	
	06/15/15					3.42	0.00	96.00	
	12/16/15					NM	NM	NM	No Access
	06/14/16					NM	NM	NM	No Access
	02/20/20					2.11	0.00	97.31	
MW-13	11/13/13	3	3 - 13	13	99.32	7.42	0.00	91.90	
	06/15/15					2.94	0.00	96.38	
	12/16/15					NM	NM	NM	No Access
	06/14/16					NM	NM	NM	No Access
	02/20/20					2.39	0.00	96.93	
MW-14	11/13/13	3	3 - 13	13	98.79	6.75	0.00	92.04	
	06/15/15					2.07	0.00	96.72	
	12/16/15					2.29	0.00	96.50	
	06/14/16					2.03	0.00	96.76	
	02/20/20					0.87	0.00	97.92	
MW-15	01/17/18	5	5 - 15	15	99.54	7.69	0.00	91.85	
	02/20/20					2.34	0.00	97.20	
	10/07/20					2.70	0.00	96.84	
MW-16	01/17/18	5	5 - 15	15	99.65	7.83	0.00	91.82	
	02/20/20					2.01	0.00	97.64	
	10/07/20					2.28	0.00	97.37	
MW-17	01/15/20	2	2 - 12	12	100.25	11.64	0.00	88.61	
	02/20/20					2.14	0.00	98.11	
MW-18	01/15/20	2	2 - 12	12	99.69	1.47	0.00	98.22	
	02/20/20					2.12	0.00	97.57	
MW-19	01/15/20	2	2 - 12	12	99.28	DRY	DRY	NM	
	02/20/20					2.97	0.00	96.31	
MW-20	01/15/20	2	2 - 12	12	99.67	1.82	0.00	97.85	
	02/20/20					1.94	0.00	97.73	
	10/07/20					2.76	0.00	96.91	

TABLE 5
WELL CONSTRUCTION AND GAUGING INFORMATION
MINIT SHOP (INCIDENT NO. 29456)

Date: 02/16/22 **Facility ID # :** 0-021610

Well ID	Date Water Level Measured (mm/dd/yy)	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing (ft.)	Free Product Thickness** (ft.)	Groundwater Elevation (ft.)	Comments
MW-21	01/15/20	2	2 - 12	12	99.48	1.51	0.00	97.97	
	02/20/20					2.06	0.00	97.42	
	10/07/20					2.85	0.00	96.63	
	01/26/22					7.35	1.26	93.21	
MW-22	10/07/20	2	2 - 12	12	99.21	2.89	0.00	96.32	
TMW-1	05/22/13	5	5 - 15	15	NM	2.56	0.00	NM	
TMW-2	05/22/13	5	5 - 15	15	NM	8.43	0.00	NM	
TMW-3	05/22/13	5	5 - 15	15	NM	3.25	0.00	NM	
TW-1	05/21/13	55	55 - 60	60	99.88	12.82	0.00	87.06	
						15.09	0.00	84.79	
	06/15/15					11.49	0.00	88.39	
	12/16/15					11.81	0.00	88.07	
	06/14/16					11.77	0.00	88.11	
	02/20/20					10.13	0.00	89.75	
	10/07/20					10.41	0.00	89.47	

Notes:
- * : Reference point for elevation measurements; assumed elevation unknown.
- ** : If free product is present in a well, ground water elevation calculated by: [Top of Casing Elevation - Depth to Water] + [free product thickness x 0.8581].
- ft BGS : feet below ground surface.
- *: Reference point for elevation measurements; Top of Casing information and well construction details obtained from report titled 'Comprehensive Site Assessment Report', dated August 27, 2011, by Singleton Environmental Inc. and well construction records from previous assessment reports.

TABLE 6
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS - FIELD DATA
MINIT SHOP (INCIDENT NO. 29456)

Date: 02/01/2022 **Facility ID #:** 0-021610

Analytical Method →				UVF	
Contaminant of Concern →				Gasoline-Range TPH	Diesel-Range TPH
Sample ID	**Date Collected** (mm/dd/yy)	**Sample Location**	**Sample Depth** (ft-BGS)		
RAL (mg/kg)				**50**	**100**
TMW-4-1'	01/26/22	UST Basin	1	**130**	**103**
TMW-4-4'	01/26/22		4	**702**	70
TMW-4-6'	01/26/22		6	**1,760**	**454**
TMW-4-9'	01/26/22		9	**455**	79
TMW-4-15'	01/26/22		15	44	17
TMW-5-1'	01/26/22		1	**1,810**	**433**
TMW-5-4'	01/26/22		4	**1,530**	**395**
TMW-5-6'	01/26/22		6	**972**	**211**
TMW-5-9'	01/26/22		9	**2,340**	**511**
TMW-5-15'	01/26/22		15	**121**	**119**
TMW-6-1'	01/26/22		1	**1,288**	**604**
TMW-6-4'	01/26/22		4	**1,792**	**340**
TMW-6-6'	01/26/22		6	**1,628**	**572**
TMW-6-9'	01/26/22		9	**2,572**	**588**
TMW-6-15'	01/26/22		15	**164**	80

Notes:

- Results reported in mg/kg; samples analyzed onsite by UVF.
- ft-BGS: feet below ground surface.
- RAL: Regulatory Action Level.
- < : Less than the UVF method detection limit .
- Concentrations in bold face type indicate reported concentrations exceeded the RALs

TABLE 7
SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS
MINIT SHOP (INCIDENT NO. 29456)

Date : 02/16/2022 **Facility ID # :** 0-021610

Analytical Method →		EPA Methods 6200B Plus 5 Oxygenates and 625											EPA Method 504.1	EPA Method 6010B	MADEP Methods VPH and EPH		
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	tert-Amyl alcohol	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
Well ID	Date Collected (mm/dd/yy)																
MAC (mg/l)		1	600	600	500	20	6	70	70	400	400	40	0.02	15	400	700	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*28,500*	*24,100*	*40,000*	*50*	*15,000*	*NE*	*NE*	*NE*
MW-1	09/30/08	12,300	9,650	1,240	4,640	129,000	413	60.0	140	987	267	NR	<0.0027	<2.2	2,300	3,370	6,850
	05/23/13	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	11/13/13	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	06/16/15	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	12/16/15	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	06/14/16	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	03/27/17	18,400	32,900	3,290	21,800	83,800	948	<130	425 J	3,810	992	NR	NR	NR	NR	NR	NR
	01/17/18	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	02/20/20	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	10/07/20	*15,500*	31,300	2,890	21,000	*32,300*	927	<130	323 J	4,000	1,100	5,020 J	NR	NR	NR	NR	NR
	01/26/22	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
MW-2	05/23/13	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	11/13/13	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	06/16/15	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	12/16/15	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	06/14/16	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	03/27/17	8,740	43,500	3,880	22,600	787	667	<130	351 J	2,400	627	NR	NR	NR	NR	NR	NR
	01/17/18	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	02/20/20	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	10/07/20	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	01/26/22	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
MW-3	05/23/13	14,200	31,300	2,850	11,790	565	500	<100	292 J	1,430	405 J	NR	0.62	27.4	21,900	3,290	5,390 J
	11/13/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NR	NS	NS	NS	NS	NS
	06/16/15	10,800	23,700	2,610	11,900	1,260	644	84.6 J	267	1,980	485	NR	NR	NR	NR	NR	NR
	12/16/15	11,800	34,400	3,770	19,300	1,640	774	94.2 J	337	2,590	608	NR	NR	NR	NR	NR	NR
	06/14/16	8,410	21,500	3,320	15,600	682	899	91.0 J	290	2,470	599	NR	NR	NR	NR	NR	NR
	03/27/17	13,000	39,300	3,270	16,300	1,030	646	73.3 J	274	1,860	459	NR	NR	NR	NR	NR	NR
	01/17/18	10,800	31,900	3,100	13,500	502	552	114 J	309	2,240	640	<1,000	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	0.28 J	0.49 J	0.22 J	<2.0	NR	NR	NR	NR	NR
	10/07/20	7,620	27,100	3,690	17,800	<63	650	87.4 J	284	2,230	542	<1,000	NR	NR	NR	NR	NR
MW-4	05/23/13	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	11/13/13	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
	06/16/15	13,000	28,400	2,820	14,700	108 J	571	102 J	323	2,430	625	NR	NR	NR	NR	NR	NR
	12/16/15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NR	NS	NS	NS	NS	NS
	06/14/16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NR	NS	NS	NS	NS	NS
	03/27/17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NR	NS	NS	NS	NS	NS
	01/17/18	5,420	8,280	610	3,100	<25	162	48.7 J	152	1,140	360	3,750	NR	NR	NR	NR	NR
	02/20/20	0.25 J	2.4	18.7	30.2	0.94	2.9	1.7	3.2	13.6	0.76	11.9	NR	NR	NR	NR	NR
	10/07/20	2.5	9.0	3.2	18.1	<0.13	0.94	0.51	1.5	4.5	1.3	4.6 J	NR	NR	NR	NR	NR

TABLE 7
SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS
MINIT SHOP (INCIDENT NO. 29456)

Date : 02/16/2022 **Facility ID # :** 0-021610

Analytical Method →		EPA Methods 6200B Plus 5 Oxygenates and 625											EPA Method 504.1	EPA Method 6010B	MADEP Methods VPH and EPH		
Contaminant of Concern →																	
Well ID	Date Collected (mm/dd/yy)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	tert-Amyl alcohol	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
MAC (mg/l)		1	600	600	500	20	6	70	70	400	400	40	0.02	15	400	700	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*28,500*	*24,100*	*40,000*	*50*	*15,000*	*NE*	*NE*	*NE*
MW-5	05/23/13	0.19 J	0.98	0.25 J	1.52	<0.10	0.47 J	<0.10	<0.10	0.38 J	0.16 J	NR	<0.0094	**23.9**	<35	<145	**825**
	06/16/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	12/16/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	06/14/16	<0.13	<0.13	<0.13	<0.31	0.34 J	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<2.0	NR	NR	NR	NR	NR
MW-6	05/23/13	**3,980**	**5,290**	582	**2,100**	**648**	**222**	27.3	55.5	311	77.1	NR	**0.16**	6.2	**4,330**	837	**237**
	06/16/15	**1,020**	**871**	113	413	**163**	**33.9**	5.3 J	8.8 J	61.8	12.2 J	NR	NR	NR	NR	NR	NR
	12/16/15	**1,270**	**1,480**	164	**774**	**92.0**	**42.9**	9.7	16.3	89.2	20.3	NR	NR	NR	NR	NR	NR
	06/14/16	**1.1**	<0.13	<0.13	<0.31	1.8	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	03/01/17	**77.3**	76.0	12.1	53.5	6.9	3.8	0.57	0.94	6.0	2.0	NR	NR	NR	NR	NR	NR
	01/17/18	<0.13	0.71	0.26 J	1.2 J	0.31 J	<0.13	<0.13	<0.13	0.57	0.29 J	7.4 J	NR	NR	NR	NR	NR
	02/21/20	**1,180**	**997**	72.5	**814**	**112**	**48.9**	<6.3	<6.3	140	22.7 J	**881**	NR	NR	NR	NR	NR
	10/07/20	**108**	50.2	22.2	30.1	**23.4**	**7.1**	0.94 J	1.5	3.0	0.57 J	**101**	NR	NR	NR	NR	NR
MW-7	05/23/13	<10	19.4 J	524	**1,140**	<10	**305**	**182**	**923**	**4,750**	**1,410**	NR	<0.0093	**17.5**	**9,230**	**7,050**	**8,910**
	06/16/15	<0.17	0.28 J	0.72	2.2	<0.16	2.3	6.4	18.7	99.8	12.0	NR	NR	NR	NR	NR	NR
	12/16/15	<0.17	<0.17	0.18 J	<0.43	<0.16	0.35 J	0.61	1.5	6.4	0.96	NR	NR	NR	NR	NR	NR
	06/14/16	<0.13	<0.13	<0.13	<0.31	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	03/27/17	<0.13	<0.13	<0.13	<0.25	<0.13	0.17 J	<0.13	0.44 J	1.7	0.36 J	NR	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	0.59	1.3 J	<0.13	0.62	2.3	14.4	44.2	15.7	<2.0	NR	NR	NR	NR	NR
MW-8	05/23/13	<0.10	0.75	0.55	1.90	<0.10	0.42 J	<0.10	0.38 J	1.0	0.42 J	NR	<0.0093	**16.1**	<35	<135	<185
	06/16/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	12/16/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	06/14/16	<0.13	<0.13	<0.13	<0.31	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<2.0	NR	NR	NR	NR	NR
MW-9	05/23/13	**4,400**	**28,700**	**4,390**	**19,000**	**55.4**	**841**	**175**	**598**	**3,300**	**811**	NR	**1.3**	**28.2**	**16,900**	**10,490 J**	**9,570 J**
	06/16/15	**6.4**	55.4	53.1	150	<0.16	**18.9**	6.2	20.0	68.1	17.9	NR	NR	NR	NR	NR	NR
	12/16/15	**26.2**	154	120	368	<0.16	**34.5**	13.3	33.5	205	19.2	NR	NR	NR	NR	NR	NR
	06/14/16	**7.9**	4.9	38.2	34.5	<0.13	**15.4**	4.9	14.5	75.5	2.2	NR	NR	NR	NR	NR	NR
	01/17/18	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<2.0	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	0.17 J	<0.25	<0.13	0.23 J	<0.13	0.25 J	0.40 J	<0.13	<2.0	NR	NR	NR	NR	NR
MW-10	05/23/13	**20,800**	**77,000**	**4,540**	**41,200**	**463 J**	**567**	<100	**385 J**	**2,400**	**633**	NR	**27.5**	**48.1**	**70,000**	**75,100 JB**	**21,400**
	11/13/13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NR	NS	NS	NS	NS	NS
	06/16/15	**17,600**	**55,600**	**16,000**	**46,400**	**324**	**4,330**	**1,390**	**5,300**	**13,900**	**8,380**	NR	NR	NR	NR	NR	NR
	12/16/15	**10,600**	**49,900**	**5,220**	**26,800**	**812**	**1,430**	**233 J**	**672**	**4,540**	**1,120**	NR	NR	NR	NR	NR	NR
	06/14/16	**7,520**	**46,100**	**13,400**	*68,100*	**184 J**	**4,920**	**1,080**	**4,400**	**27,100**	**7,580**	NR	NR	NR	NR	NR	NR
	03/27/17	**12,700**	**41,300**	**4,220**	**20,400**	**421 J**	**746**	<130	**391 J**	**2,350**	**617**	NR	NR	NR	NR	NR	NR
	01/17/18	**16,300**	**41,600**	**5,530**	**23,400**	**602**	**933**	**230**	**654**	**4,640**	**1,250**	**7,660**	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<2.0	NR	NR	NR	NR	NR
	10/07/20	**7,460**	**35,500**	**5,490**	**28,100**	**199 J**	**2,570**	**207 J**	**745**	**6,710**	**1,710**	<2,000	NR	NR	NR	NR	NR

TABLE 7
SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS
MINIT SHOP (INCIDENT NO. 29456)

Date : 02/16/2022 **Facility ID # :** 0-021610

Analytical Method →		EPA Methods 6200B Plus 5 Oxygenates and 625											EPA Method 504.1	EPA Method 6010B	MADEP Methods VPH and EPH		
Contaminant of Concern →																	
Well ID	Date Collected (mm/dd/yy)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	tert-Amyl alcohol	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
MAC (mg/l)		1	600	600	500	20	6	70	70	400	400	40	0.02	15	400	700	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*28,500*	*24,100*	*40,000*	*50*	*15,000*	*NE*	*NE*	*NE*
MW-11	05/23/13	**73.8**	149	51.2	124	0.25 J	**11.9**	18.5	41.2	35.2	9.2	NR	<0.0096	**22.1**	**773**	383 B	**489 J**
	06/16/15	**4.3**	0.26 J	0.87	0.72 J	<0.16	0.24 J	0.72	1.7	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	12/16/15	<0.17	<0.17	0.47 J	<0.43	<0.16	0.18 J	0.56	1.6	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	06/14/16	<0.13	<0.13	<0.13	<0.31	<0.13	0.25 J	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<2.0	NR	NR	NR	NR	NR
MW-12	11/13/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	NR	<0.0095	NR	<35	<133	<185
	06/16/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	12/16/15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/14/16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	0.17 J	<0.13	<2.0	NR	NR	NR	NR	NR
MW-13	11/13/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	NR	<0.0093	NR	<35	<133	<185
	06/16/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	12/16/15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/14/16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/20	0.13 J	0.20 J	0.61	1.0 J	<0.13	0.28 J	0.15 J	0.20 J	0.58	<0.13	<2.0	NR	NR	NR	NR	NR
MW-14	11/13/13	<0.10	<0.10	<0.10	<0.22	0.15 J	<0.15	<0.10	<0.10	<0.10	<0.10	NR	<0.0095	NR	<35	<129	<175
	06/16/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	12/16/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	<0.12	<0.16	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	06/14/16	<0.13	<0.13	<0.13	<0.31	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR
	02/21/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<2.0	NR	NR	NR	NR	NR
MW-15	01/17/18	**1,550**	**10,800**	**2,230**	**10,700**	**2,640**	**438**	**97.3**	**255**	**1,840**	**464**	**3,800**	NR	NR	NR	NR	NR
	02/20/20	0.74 J	8.8	76.4	135	<0.31	**17.1**	7.0	22.0	85.0	16.6	20.9 J	NR	NR	NR	NR	NR
	10/07/20	**1.8 J**	30.6	245	**658**	<0.63	**87.6**	19.8	68.5	371	72.9	30.5 J	NR	NR	NR	NR	NR
MW-16	01/17/18	**74.7**	5.3 J	<3.1	<6.3	**647**	**22.7**	<3.1	<3.1	<3.1	<3.1	**554**	NR	NR	NR	NR	NR
	02/20/20	0.36 J	3.9	30.5	48.0	1.3	4.6	2.6	5.0	22.3	1.2	15.9	NR	NR	NR	NR	NR
	10/07/20	<0.13	<0.13	<0.13	<0.25	4.6	<0.13	<0.13	<0.13	<0.13	<0.13	<2.0	NR	NR	NR	NR	NR
MW-17	02/21/20	**2.7**	9.9	2.5	49.2	2.5	0.78	0.23 J	0.50	13.5	7.6	<2.0	NR	NR	NR	NR	NR
MW-18	02/21/20	<0.13	0.15 J	0.17 J	0.60 J	0.17 J	<0.13	<0.13	<0.13	0.18 J	<0.13	<2.0	NR	NR	NR	NR	NR
MW-19	02/21/20	<0.13	<0.13	<0.13	<0.25	0.82	<0.13	<0.13	<0.13	<0.13	<0.13	<2.0	NR	NR	NR	NR	NR
MW-20	02/20/20	**2,840**	**6,780**	**1,110**	**25,300**	**803**	**826**	**72.0 J**	**206**	**4,750**	**1,360**	<500	NR	NR	NR	NR	NR
	10/07/20	**2,510**	**6,470**	**1,240**	**24,100**	**553**	**749**	**62.0 J**	**178**	**4,290**	**1,130**	<400	NR	NR	NR	NR	NR
MW-21	02/20/20	***36,100***	**95,800**	**19,300**	***105,000***	***74,100***	**4,040**	**1,680**	**6,380**	***36,800***	**11,600**	***62,800***	NR	NR	NR	NR	NR
	10/07/20	***24,100***	**48,700**	**3,960**	**21,200**	***39,300***	**1,230**	<130	**369 J**	**2,840**	**732**	**28,500**	NR	NR	NR	NR	NR
	01/16/22	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*	*FP*
MW-22	10/07/20	<0.13	0.61	0.69	0.78 J	<0.13	**40.9**	<0.13	<0.13	0.52	0.25 J	<2.0	NR	NR	NR	NR	NR
TMW-1	05/23/13	<0.10	<0.10	<0.10	<0.22	<0.10	<0.15	<0.10	<0.10	<0.10	<0.10	NR	<0.0094	5.2	<35	<131	<175
TMW-2	05/23/13	**1.3**	<0.10	<0.10	<0.22	4.7	<0.15	<0.10	<0.10	<0.10	<0.10	NR	<0.0094	5.4	<70	122 JB	<220
TMW-3	05/23/13	**17.6**	115	45.2	128	<0.10	**20.7**	3.7	12.8	31.5	7.1	NR	<0.0092	5.2	188 J	202 B	<320

TABLE 7
SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS
MINIT SHOP (INCIDENT NO. 29456)

Date : 02/16/2022 **Facility ID # :** 0-021610

Analytical Method →		EPA Methods 6200B Plus 5 Oxygenates and 625											EPA Method 504.1	EPA Method 6010B	MADEP Methods VPH and EPH		
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	tert-Amyl alcohol	EDB	Lead	C5-C8 Aliphatics	C9-C18 Aliphatics	C9-C22 Aromatics
Well ID	Date Collected (mm/dd/yy)																
MAC (mg/l)		1	600	600	500	20	6	70	70	400	400	40	0.02	15	400	700	200
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*30,500*	*26,100*	*28,500*	*24,100*	*40,000*	*50*	*15,000*	*NE*	*NE*	*NE*
TW-1	05/23/13	**47.4**	3.5 J	1.3 J	6.0 J	**445**	4.0 J	<1.0	<1.0	5.7	1.4 J	NR	<0.0093	<5.0	<35	107 JB	<185
	11/13/13	**107**	<0.10	<0.10	<0.22	**1,940**	<0.15	<0.10	<0.10	<0.10	<0.10	NR	NR	NR	NR	NR	NR
	06/16/15	**213**	<0.17	<0.15	<0.43	**2,340**	0.14 J	<0.12	<0.16	<0.14	0.27 J	NR	NR	NR	NR	NR	NR
	12/16/15	**90.2**	<0.17	<0.15	<0.43	**2,730**	<0.12	<0.12	<0.16	<0.14	<0.14	NR	NR	NR	NR	NR	NR
	06/14/16	<2.5	<2.5	<2.5	<6.2	**2,590**	<2.5	<2.5	<2.5	<2.5	<2.5	NR	NR	NR	NR	NR	NR
	02/20/20	0.55	1.2	0.16 J	1.2 J	**35.8**	<0.13	<0.13	<0.13	0.14 J	<0.13	<2.0	NR	NR	NR	NR	NR
	10/07/20	0.71	0.81	0.31 J	3.3	3.0	8.6	<0.13	0.38 J	6.3	1.3	<2.0	NR	NR	NR	NR	NR
TMW-4	01/26/22	***12,300***	**13,500**	**2,280**	**8,430**	**17,200**	**401**	**97.9 J**	**284**	**1,860**	**599**	**2,820 J**	NR	NR	NR	NR	NR
TMW-5	01/26/22	***21,800***	**69,400**	**13,300**	***78,500***	**6,230**	***16,900***	**1,500**	**6,710**	***66,200***	**16,500**	**9,690 J**	NR	NR	NR	NR	NR
TMW-6	01/26/22	***33,000***	**57,400**	**4,100**	**20,100**	***58,800***	**1,060 J**	<310	**377 J**	**2,990**	**923 J**	***46,800***	NR	NR	NR	NR	NR
Trip Blank	02/20/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<2.0	NR	NR	NR	NR	NR
	01/26/22	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR

Notes:
- Results reported in µg/l.
- MAC: Maximum allowable concentrations as specified in T15A NCAC 2L.0202.
- GCL: Gross Contamination Level.
- <: Less than the method detection specified in the laboratory report.
- Concentrations in bold face type exceeded the MACs; concentrations in bold face type and italics exceeded the GCLs.
- NE: Not Established.
- NR: Not Requested.
- I or J: Estimated concentration between the MDL and PQL.
- B: Present in laboratory blank.
- During the January 26, 2021 sampling event; concentrations of n-butylbenzene, sec-butylbenzene, TAME and/or p-isopropyltoluene reported in TMW-4, TMW-5 and TMW-6 exceeded the MACs.
- Please refer to the laboratory report for any additional reported contaminant concentrations that did not exceed the MACs.

TABLE 8
FREE PRODUCT RECOVERY RESULTS
MINIT SHOP (INCIDENT NO. 29456)

Date: 11/18/2020 **Facility ID#:** 0-021610

Method of Measurement: Interface probe at top-of-casing

Well ID	Product Type (gas, diesel, etc.)	Date of Recovery (mm/dd/yy)	Free Product Recovery Method*	Casing Diameter (inches)	Product Thickness before Recovery (feet)	Product Thickness after Recovery (feet)	Amount of Liquid Recovered (gallons)	Amount of Product Recovered as Liquid (gallons)
MW-1	Gasoline and Diesel	07/20/12	AFVR	2	0.02	0.00	3,210	0.00
MW-2				2	0.25	0.00		
MW-1	Gasoline and Diesel	05/22/13	Hand Bailing	2	0.17	0.00	1.75	0.50
MW-2				2	0.69	0.00		1.25
MW-2	Gasoline and Diesel	05/28/13	Hand Bailing	2	0.61	0.00	2.25	0.25
MW-1	Gasoline and Diesel	11/13/13	Hand Bailing	2	0.94	0.00	4.25	4.25
MW-2				2	0.51	0.00		
MW-4				2	0.04	0.00		
MW-1	Gasoline and Diesel	05/11/15 - 05/15/15	MMPE	2	0.00	0.00	17,972	12.00
MW-2				2	0.60	0.00		
MW-3				2	0.00	0.00		
MW-4				2	0.00	0.00		
MW-10				2	0.00	0.00		
MW-1	Gasoline and Diesel	11/9/15 - 11/13/15	MMPE	2	0.00	0.00	19,699	0.00
MW-2				2	0.00	0.00		
MW-3				2	0.00	0.00		
MW-4				2	0.00	0.00		
MW-10				2	0.00	0.00		
MW-1	Gasoline and Diesel	06/14/16	Hand Bailing	2	1.55	0.00	1.25	1.25
MW-2				2	0.18	0.00		
MW-1	Gasoline and Diesel	11/01/16	Absorbent Socks	2	0.00	0.00	0.00	0.00
MW-2				2	0.00	0.00		
MW-1	Gasoline and Diesel	12/01/16	Skimmer & Sock	2	0.00	0.00	0.10	0.10
MW-2				2	0.00	0.00		
MW-1	Gasoline and Diesel	12/27/16	Skimmer & Sock	2	0.00	0.00	0.40	0.40
MW-2				2	0.00	0.00		
MW-1	Gasoline and Diesel	01/24/17	Skimmer & Sock	2	0.02	0.00	0.20	0.20
MW-2				2	0.00	0.00		

TABLE 8
FREE PRODUCT RECOVERY RESULTS
MINIT SHOP (INCIDENT NO. 29456)

Date: 11/18/2020 **Facility ID#:** 0-021610

Method of Measurement: Interface probe at top-of-casing

Well ID	**Product Type** (gas, diesel, etc.)	**Date of Recovery** (mm/dd/yy)	**Free Product Recovery Method***	**Casing Diameter** (inches)	**Product Thickness before Recovery** (feet)	**Product Thickness after Recovery** (feet)	**Amount of Liquid Recovered** (gallons)	**Amount of Product Recovered as Liquid** (gallons)
MW-1	Gasoline and Diesel	02/27/17	Skimmer & Sock	2	0.00	0.00	0.10	0.10
MW-2				2	0.00	0.00		
MW-1	Gasoline and Diesel	03/27/17	Skimmer & Sock	2	0.00	0.00	0.19	0.19
MW-2				2	0.00	0.00		
MW-1	Gasoline and Diesel	01/17/18	Hand Bailing	2	0.86	0.00	0.65	0.65
MW-2				2	0.14	0.00		
MW-1	Gasoline and Diesel	02/28/18	Absorbent Socks	2	Unknown	0.02	Unknown	Unknown
MW-2				2	Unknown	0.10		
MW-1	Gasoline and Diesel	03/20/18	Hand Bailing & Absorbent Socks	2	0.01	0.00	3.11	Unknown + 0.11
MW-2				2	0.06	0.00		
MW-1	Gasoline and Diesel	01/22/20	AFVR & Absorbent Socks	2	0.24	0.00	3,030	0.00
MW-2				2	0.28	0.00		
MW-1	Gasoline and Diesel	09/08/20	Hand Bailing & Absorbent Socks	2	0.01	0.00	0.27	0.27
MW-2				2	0.01	0.00		
MW-1	Gasoline and Diesel	10/07/20	Hand Bailing	2	0.00	0.00	0.00	0.00
MW-2				2	0.02	0.00	3.50	0.01

Notes :

- *: Bailing, Skimming, Aggressive Fluid Vapor Recovery (AFVR), Mobile Multiphase Extraction (MMPE)
- Amount of Liquid Recovered (gallons) includes Total liquids (Water and Free Product) as indicated on Disposal Manifest.
- Amount of Product Recovered (in gallons) includes only the volume of free product in the tanker at the end of the event (based on Disposal Manifest and/or Field Notes).

TABLE 9
FREE PRODUCT RECOVERY EVENT INFORMATION
MINIT SHOP (INCIDENT NO. 29456)

Date: 11/18/2020 **Facility ID #:** 0-021610

Well ID	Date (mm/dd/yy)	Product Recovery Method*	Average Effluent Velocity (ft/min)	Average Effluent Temperature (°F)	Average Effluent Concentration (ppm)	Amount of Vaporized Product (gallons)	Amount of Liquid Recovered (gallons)	Amount of Product Recovered as Liquid (gallons)	Total Amount of Product Recovered (gallons)
MW-1	07/20/12	AFVR	526.06	136.50	508.72	0.11	3,210.00	0.00	0.11
MW-2									
MW-1	05/22/13	Hand Bailing	---	---	---	0.00	1.75	1.75	1.75
MW-2									
MW-2	05/28/13	Hand Bailing	---	---	---	0.00	2.25	0.25	0.25
MW-1	11/13/13	Hand Bailing	---	---	---	0.00	4.25	4.25	4.25
MW-2									
MW-4									
MW-1	05/11/15 - 05/15/15	MMPE	1,693.44	106.11	1,000.78	4.85	17,972.00	12.00	16.85
MW-2									
MW-3									
MW-4									
MW-10									
MW-1	11/09/15 - 11/13/15	MMPE	984.11	107.89	610.78	1.72	19,699.00	0.00	1.72
MW-2									
MW-3									
MW-4									
MW-10									
MW-1	06/14/16	Hand Bailing	---	---	---	0.00	1.25	1.25	1.25
MW-2									
MW-1	11/01/16 - 03/28/17	Skimmer and Absorbent Socks	---	---	---	0.00	0.99	0.99	0.99
MW-2									
MW-1	01/17/18	Hand Bailing	---	---	---	0.00	0.65	0.65	0.65
MW-2									
MW-1	02/28/18	Absorbent Socks	---	---	---	0.00	Unknown	Unknown	Unknown
MW-2									
MW-1	03/20/18	Hand Bailing and Absorbent socks	---	---	---	0.00	3.00	0.11	0.11
MW-2									
MW-1	01/22/20	AFVR and Absorbent socks	519.00	61.59	35.84	0.06	3,030.00	0.00	0.06
MW-2									
MW-1	09/08/20	Hand Bailing and Absorbent socks	---	---	---	0.00	0.27	0.27	0.27
MW-2									
MW-1	10/07/20	Hand Bailing and Absorbent socks	---	---	---	0.00	3.50	0.01	0.01
MW-2									
					Totals	**6.73**	**43,928.91**	**21.53**	**28.26**

SUMMARY OF FLUID REMOVAL		
Summary	**Total Fluids Removed (in gallons)**	**Total Amount of Product Removed (in gallons)**
Current Event	**3.50**	**0.01**
Total To Date	**43,935.64**	**28.26**

Notes:
- *: Bailing, Skimming, Aggressive Fluid Vapor Recovery (AFVR), Mobile Multiphase Extraction (MMPE)
- Amount of Vaporized Product (in gallons) is based on Vapor Emissions Summary Sheet, = lbs emitted/6.152
- Amount of Liquid Recovered includes Total liquids (Water and Free Product) as indicated on Disposal Manifest.
- Amount of Product Recovered as Liquid includes only the volume of free product in the tanker at the end of the event (based on Disposal Manifest and/or Field Notes).
- Total Amount of Product Recovered = Amount of Vaporized Product + Amount of Product Recovered as Liquid
- Total Fluids Removed = Amount of Vaporized Product + Amount of Liquid Recovered
- Total Fluids Removed = Amount of Vaporized Product + Amount of Liquid Recovered
- Amount of product recovered by absorbent booms installed in wells with product is unknown between January 17, 2018 and March 30, 2018

TABLE 10
FREE PRODUCT RECOVERY COST SUMMARY
MINIT SHOP (INCIDENT NO. 29456)

Date: 11/18/2020 **Facility ID #:** 0-021610

Wells Included in Event	Product Recovery Method*	Date of Event (mm/dd/yy)	Total Amount of Free Product plus Ground Water Recovered (gallons)	Cost of Free Product Recovery Event	Cost Per Gallon Total Fluids	Comments
MW-1, MW-2	AFVR	07/20/12	3,210.00	$4,214.10	$1.31	Cost per gallon for the event is based on a total volume of 3,210.00 gallons of free product and water.
MW-1, MW-2	Hand Bailing	05/22/13	1.75	$182.00	$104.00	Cost per gallon for the event is based on a total volume of 1.75 gallons of free product
MW-2	Hand Bailing	05/28/13	0.25	$296.00	$1,184.00	Cost per gallon for the event is based on a total volume of 0.25 gallons of free product
MW-1, MW-2, MW-4	Hand Bailing	11/13/13	4.25	$273.00	$64.24	Cost per gallon for the event is based on a total volume of 4.25 gallons of free product
MW-1, MW-2, MW-3, MW-4, MW-10	MMPE	05/11/15 - 05/15/15	17,976.85	$13,746.20	$0.76	Cost per gallon for the event is based on a total volume of 17,976.85 gallons of free product and water.
MW-1, MW-2, MW-3, MW-4, MW-10	MMPE	11/09/15 - 11/13/15	19,700.72	$13,728.20	$0.70	Cost per gallon for the event is based on a total volume of 19,700.72 gallons of free product and water.
MW-1, MW-2	Hand Bailing	06/14/16	1.25	$182.00	$145.60	Cost per gallon for the event is based on a total volume of 1.25 gallons of free product
MW-1, MW-2	Skimmer and Absorbent Boom	11/01/16 - 03/28/17	0.99	$3,479.35	$3,514.49	Cost per gallon for the event is based on a total volume of 0.99 gallons of free product
MW-1, MW-2	Hand Bailing/ Absorbent Booms	01/17/18	0.65	$310.00	$476.92	Cost per gallon for the event is based on a total volume of 0.65 gallons of free product
MW-1, MW-2	Absorbent Booms	02/28/18	Unknown	$310.00	Unknown	Total volume of product recovered unknown
MW-1, MW-2	Hand Bailing/ Absorbent Booms	03/20/18	3.11	$310.00	$99.68	Cost per gallon for the event is based on a total volume of 3.11 gallons of free product
MW-1, MW-2	AFVR/ Absorbent Booms	01/22/20	3,030.06	$2,483.00	$0.82	Cost per gallon for the event is based on a total volume of 3,030.06 gallons of free product and water
MW-1, MW-2	Hand Bailing/ Absorbent Booms	9/8/2020 - 10/07/20	3.77	$270.00	$71.62	Cost per gallon for the event is based on a total volume of 3.77 gallons of free product and water
TOTAL (to date)			**43,933.65**	**$39,473.85**	**$0.90**	

Notes:
- *: Bailing, Skimming, Absorbent Boom, Aggressive Fluid Vapor Recovery (AFVR), Mobile Multiphase Extraction (MMPE)
- Total Amount of Free Product Recovered = Amount of Vaporized Product + Amount of Product Recovered as Liquid
- Cost of Free Product Recovery Event includes supervision, travel, mileage, per diem, subcontractor costs, AFVR/MMPE sampling, AFVR/MMPE sampling analytical, report preparation (pre-2015 only) and project management.

APPENDICES

APPENDIX A

State Correspondence

2548 Received JAN 04 2021

ROY COOPER
Governor
MICHAEL S. REGAN
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

December 23, 2020

Messrs. Amran Saleh Hussein and Wadah M. Ashaif
Minit Shop
207 Middle Street
Maxton, NC 28364

Re: Notice of Regulatory Requirements
15A NCAC 2L .0407(c)
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Minit Shop
207 Middle Street
Maxton, Robeson County
Incident Number: 29456
Risk Classification: Intermediate
Ranking: I-225-A

Dear Sirs:

The UST Section is in receipt of the Groundwater Monitoring Report dated November 19, 2020. This office agrees with your consultant's recommendations for continued free product recovery (preferably with absorbents for as long as the water table is exceedingly high). In lieu of a routine semi-annual monitoring event, you are instead requested to conduct a comprehensive sampling event to include all investigation monitoring wells. If the contaminated groundwater plume is reasonably defined, a Comprehensive Site Assessment Addendum should be submitted with a suggested remedial strategy for the site. The anticipated receipt date of this report is tentatively scheduled during May 2021.

If you have any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact me at the Fayetteville Regional Office address below or at (910) 433-3347. If you have any questions regarding trust fund eligibility or reimbursement, please contact the UST Section Trust Fund Branch at (919) 707-8171.

Sincerely,

Kenneth E. Currie, Hydrogeologist
Fayetteville Regional Office
UST Section, Division of Waste Management

c: Mr. William Regenthal, P.G., Geological Resources, Inc., Winterville, NC *(email copy)*
FRO Digital Incident File #: 29456

2548 Received OCT 28 2021

DIRECTED - CAB ONLY

ELECTRONIC PREAPPROVAL TASK AUTHORIZATION FORM

Dept of Environmental Quality - Division of Waste Management

Site Name	Minit Shop		City / County	Maxton / Robeson	Incident # 29456
Resp Pty Name / Contact	Minit Shop of Maxton	Mr. Amran Hussein	Incident Mgr	Ken Currie	Region FAY
RP Type *(Owner/Operator / Landowner / Attny-in-fact)*		Owner/Operator	**Change Order?**	No	**Prev. TA #** 11
Consultant / Project Mgr	Geological Resources, Inc.	/ William Regenthal			
Telephone / Fax Number	704-845-4010	/ 704-845-4012			
Project Mgr Email	wlr@geologicalresourcesinc.com				
Proposal# / Scope Dates	21-455	/ October 2021			
Has STF Eligibility Been Determined? (Y/N)		TRUE			

(Reserved for Incident Manager)

Task Authorization Number:	***12***	*ChangeOrd:*	
Site Risk / Rank / Abatement:	***I-225-A***	*RRA Date:*	***4/23/2020***
% Commercial (C=100%, NC=0%, Both=1%-99%)		*100.00%*	
Site Status *(Active or NFA Date)*		***Active***	

Note: This Electronic Preapproval Task Authorization (ePATA) shall be used to receive preapproval from the UST Section. A proposal, including maps and figures, must be attached to elaborate on the costs for the tasks listed below that describes the scope of work and the rationale for the proposed activities. If, following completion of this ePATA, you discover that unexpected tasks must be performed, incurring costs for tasks not originally included with this form, you must complete and submit a separate ePATA request designated as a "Change Order" in the provided space above prior to conducting those tasks. Include a copy of the prior ePATA form for confirmation. Please attach this form to the cover of the corresponding claim when requesting reimbursement. IMPORTANT: Only one claim may be submitted per ePATA and all work on the ePATA must have been completed within 12 months of the completion date of the FIRST completed task to remain within the Statute of Limitations. All ePATAs submitted within a claim are closed with that claim, and may not be re-used in a separate submittal, even for costs or tasks that were not originally claimed. Final reimbursement of costs associated with the Total Claimed amount below may be affected by the eligibility status of the site (i.e., deductibles, apportionment, etc.), and the documentary validation of incurred costs as reasonable and necessary expenses per 15A NCAC 2P .0402 and .0404.

With Claim: **[ ] All Main Consultant/Contractor invoices attached?** **[ ] Proof of payment attached directly to the front of each invoice?**

• Important: The date of reimbursement is dependent on the Trust Fund balance. There may be a delay in the reimbursement of claims for work under this ePATA.

PREAPPROVAL / TASK AUTHORIZATION *(See Instructions / RRD for Tasks requiring Preapproval / Task Authorization)*									FINAL REIMBURSEMENT *(Must Complete with Claim Submittal)*	
3rd Pty Ded?	Task #	Lab / SubCode	Proposed Units / Type *(Consultant)*	RO IM Auth	Proposed Rate/Price *(Consultant)*	RO Supv. Auth	Proposed Task Subtotal *(Consultant)*	Preapproved Subtotal *(UST Section)*	Dates of Work *(Consultant)* Started[1] / Completed[2]	Claimed Amount[3] *(Consultant)*
	2.087		~~3~~ / wells	N	~~$50.00~~	N	~~$150.00~~	$0.00	/	
	3.101		45 / feet	Y	$12.50	Y	$562.50	$562.50	/	
	3.111		45 / feet	Y	$20.00	Y	$900.00	$900.00	/	
	3.310		~~1~~ / event	N	~~$1,600.00~~	N	~~$1,600.00~~	$0.00	/	
	3.398		~~2~~ / events	1	$350.00	Y	~~$700.00~~	$350.00	/	
	4.031		3 / wells	Y	$110.00	Y	$330.00	$330.00	/	
	4.080		~~15~~ / sample pt.	N	~~$45.00~~	N	~~$675.00~~	$0.00	/	
	4.090	#272	~~4~~ / samples	N	~~$62.00~~	N	~~$248.00~~	$0.00	/	
	4.091		1 / shipment	Y	$60.00	Y	$60.00	$60.00	/	
	6.041		~~1~~ / report	N	~~$2,700.00~~	N	~~$2,700.00~~	$0.00	/	
	12.050		1 / trip	Y	$250.00	Y	$250.00	$250.00	/	
			/						/	
	3.310		1 / KEC added	Y	$1,085.00	Y	$1,085.00	$1,085.00	/	
	4.090	#370	15 / KEC added	Y	$65.00	Y	$975.00	$975.00	/	
	4.090	#240	4 / KEC added	Y	$88.00	Y	$352.00	$352.00	/	
	6.091		1 / KEC added	Y	$900.00	Y	$900.00	$900.00	/	
			/						/	
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	Requested	*Preapproved*		*Claimed*[3]
TOTAL:	~~$11,487.50~~	$5,764.50	**TOTAL:**	
Total Standard Costs (Not Third Party)	~~$11,487.50~~	$5,764.50	***Total Standard Costs***	
Total applied as Third Party Deductible/Damage Costs	$0.00	$0.00	***Total Third Pty Costs***	

Process Tracking

	(Date)		*(Initials)*	
TA Submittal:	10/8/21	by:	WR	(PM)
RO Review:	10/11/21	by:	KEC	(IM)
RO Supv. Review:	10/12/21	by:	MHH	(STF)

(Reserved for RO)

Joint UST Preapproval Confirmed By: Kenneth E. Currie Date[1] 10/12/2021

RP or Designee Receipt Confirmation By: William Regenthal Date[4] 10/27/21

1 - This ePATA expires one year from the Joint UST Preapproval date. This does not extend, alter, or supersede any regulatory deadlines (e.g., NORR's, NOV's, Enforcements, etc.)

2 - THE ONE YEAR STATUTE OF LIMITATIONS APPLIES TO EACH INDIVIDUAL TASK. Costs must be claimed within one year of completion of that task to be reimbursable.

3 - Only Tasks included on this ePATA may be claimed. Do not include other Tasks or claimed costs (i.e., Claim preparation) that were not preapproved or the claim will be returned.

4 - Preapproval is not valid (i.e., claimable) until receipt is signed as 'Confirmed' by the RP or their designee within a week of approval. The signed pre-approval must be submitted in the submitted claim. Signature indicates acknowledgement of the tasks and amounts approved. Any objections/appeals must be submitted via Change Order prior to work proceeding. Scope/cost negotiations do not supersede other regulatory deadlines as described in #1 above. Also, any ePATA that has been signed as 'Confirmed' by both the UST Section and RP is not to be modified without written consent by all signatories.

5 - Tasks approved on Directed - CAB Only ePATAs must be performed in accordance with all applicable rules, statutes, and RRD Task Scopes of Work to be reimbursed in full.

2548 Received OCT 28 2021

DIRECTED - CAB ONLY

ELECTRONIC PREAPPROVAL TASK AUTHORIZATION FORM

Dept of Environmental Quality - Division of Waste Management

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RP Type *(Owner/Operator / Landowner / Attny-in-fact)*		Owner/Operator		
Consultant / Project Mgr	Geological Resources, Inc.	/ William Regenthal		
Telephone / Fax Number	704-845-4010	/ 704-845-4012		
Project Mgr Email	wlr@geologicalresourcesinc.com			
Proposal# / Scope Dates	21-455	/ October 2021		
Has STF Eligibility Been Determined? (Y/N)		TRUE		

City / County	Maxton / Robeson	**Incident #**	**29456**
Incident Mgr	Ken Currie	Region	FAY
Change Order?	YES	**Prev. TA #**	12

(Reserved for Incident Manager)

Task Authorization Number:	***12***	*ChangeOrd:*	***1***
Site Risk / Rank / Abatement:	***I-225-A***	*RRA Date:*	***4/23/2020***
% Commercial (C=100%, NC=0%, Both=1%-99%)			*100.00%*
***Site Status** (Active or NFA Date)*			***Active***

Note: This Electronic Preapproval Task Authorization (ePATA) shall be used to receive preapproval from the UST Section. A proposal, including maps and figures, must be attached to elaborate on the costs for the tasks listed below that describes the scope of work and the rationale for the proposed activities. If, following completion of this ePATA, you discover that unexpected tasks must be performed, incurring costs for tasks not originally included with this form, you must complete and submit a separate ePATA request designated as a "Change Order" in the provided space above prior to conducting those tasks. Include a copy of the prior ePATA form for confirmation. Please attach this form to the cover of the corresponding claim when requesting reimbursement. IMPORTANT: Only one claim may be submitted per ePATA and all work on the ePATA must have been completed within 12 months of the completion date of the FIRST completed task to remain within the Statute of Limitations. All ePATAs submitted within a claim are closed with that claim, and may not be re-used in a separate submittal, even for costs or tasks that were not originally claimed. Final reimbursement of costs associated with the Total Claimed amount below may be affected by the eligibility status of the site (i.e., deductibles, apportionment, etc.), and the documentary validation of incurred costs as reasonable and necessary expenses per 15A NCAC 2P .0402 and .0404.

With Claim: [ ] All Main Consultant/Contractor invoices attached? [ ] Proof of payment attached directly to the front of each invoice?

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PREAPPROVAL / TASK AUTHORIZATION *(See Instructions / RRD for Tasks requiring Preapproval / Task Authorization)* — **FINAL REIMBURSEMENT** *(Must Complete with Claim Submittal)*

3rd Pty Ded?	Task #	Lab / SubCode	Proposed Units / Type *(Consultant)*	RO IM Auth	Proposed Rate/Price *(Consultant)*	RO Supv. Auth	Proposed Task Subtotal *(Consultant)*	Preapproved Subtotal *(UST Section)*	Dates of Work *(Consultant)* Started[1] / Completed[2]	Claimed Amount[3] *(Consultant)*
	4.031		3 / wells	Y	$110.00	Y	$330.00	$330.00	/	
	4.090	#240	3 / samples	Y	$88.00	Y	$264.00	$264.00	/	
			/						/	
			/						/	
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	Requested	*Preapproved*		*Claimed[3]*
TOTAL:	$594.00	**$594.00**	**TOTAL:**	
Total Standard Costs (Not Third Party)	$594.00	**$594.00**	***Total Standard Costs***	
Total applied as Third Party Deductible/Damage Costs	$0.00	**$0.00**	***Total Third Pty Costs***	

Process Tracking	*(Date)*		*(Initials)*	
TA Submittal:	10/26/21	by:	WR	(PM)
RO Review:	10/26/21	by:	KEC	(IM)
RO Supv. Review:	10/27/21	by:	MHH	(STF)

(Reserved for RO)

Joint UST Preapproval Confirmed By: [signature] Date[1] 10/27/2021

RP or Designee Receipt Confirmation By: [signature] Date[4] 10/27/21

1 - This ePATA expires one year from the Joint UST Preapproval date. This does not extend, alter, or supersede any regulatory deadlines (e.g., NORR's, NOV's, Enforcements, etc.)

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5 - Tasks approved on Directed - CAB Only ePATAs must be performed in accordance with all applicable rules, statutes, and RRD Task Scopes of Work to be reimbursed in full.

APPENDIX B

Boring Logs

Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110

Phone: (704) 845-4010
Fax: (704) 845-4012

SUBSURFACE LOG

Project	**Minit Shop**		
Address	**207 Middle Street, Maxton, NC**		
Boring Number	**TMW-4**	Date Drilled	**01/26/22**
Sample Method	**Grab**	Drilling Method	**6" Solid Flight Auger**
Completion Deta	**Direct push, borehole abandoned with Bentonite, Capped with concrete**		
Driller	**Sammy Bowers (GRI)**	Log By	**B. Houghton**

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0 - 0.50'; Asphalt
			Sample			0.5' - 3; Black coarse
2						
						3' - 8'; Gray coarse
4			Sample			
6			Sample			
8						8' - 15'; Light gray silt
			Sample			
10						
12						
14						
			Sample			15' - 20'; Tan silt (wet)
16						
18						
20						
22						
24						
26						
28						
30						
32						
34						
36						

Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110

Phone: (704) 845-4010
Fax: (704) 845-4012

SUBSURFACE LOG

Project	**Minit Shop**		
Address	**207 Middle Street, Maxton, NC**		
Boring Number	**TMW-5**	Date Drilled	**01/26/22**
Sample Method	**Grab**	Drilling Method	**6" Solid Flight Auger**
Completion Deta	**Direct push, borehole abandoned with Bentonite, Capped with concrete**		
Driller	**Sammy Bowers (GRI)**	Log By	**B. Houghton**

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0 - 0.50'; Asphalt
			Sample			0.5' - 2; Brown coarse sand
2						2' - 5'; Gray silt
			Sample			
4						
						5' - 15'; Light gray silt
6			Sample			
8						
			Sample			
10						
12						
14						
			Sample			15' - 20'; Tan silt (wet)
16						
18						
20						
22						
24						
26						
28						
30						
32						
34						
36						

Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110

Phone: (704) 845-4010
Fax: (704) 845-4012

SUBSURFACE LOG

Project	**Minit Shop**		
Address	**207 Middle Street, Maxton, NC**		
Boring Number	**TMW-6**	Date Drilled	**01/26/22**
Sample Method	**Grab**	Drilling Method	**6" Solid Flight Auger**
Completion Deta	**Direct push, borehole abandoned with Bentonite, Capped with concrete**		
Driller	**Sammy Bowers (GRI)**	Log By	**B. Houghton**

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0 - 0.50'; Asphalt
			Sample			0.5' - 2; Black coarse
2						2' - 5'; Gray course
			Sample			
4						
			Sample			5' - 10'; Light gray coarse
6						
			Sample			
8						
10						
12						
14						
			Sample			
16						
18						
20						
22						
24						
26						
28						
30						
32						
34						
36						

APPENDIX C

Laboratory Report – Ground water

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

GRI (Geological Resources Inc.)

Minit Shop; 207 Middle St, Maxton, NC

2548

SGS Job Number: FA92727

Sampling Date: 01/26/22

Report to:

GRI
3502 Hayes Rd
Monroe, NC 28110
wlr@geologicalresourcesinc.com; carriekennedy@geologicalresourcesinc.com; nml@geologicalresourcesinc.com; wlr@geologicalresourcesinc.com
ATTN: William Regenthal

Total number of pages in report: 30

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Muna Mohammed 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001) DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177), AL, AK, AR, CT, IA, KY, MA, MI. MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

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Test results relate only to samples analyzed.

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Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

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SGS North America Inc.

Sample Summary

GRI (Geological Resources Inc.)

Job No: FA92727

Minit Shop; 207 Middle St, Maxton, NC
Project No: 2548

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
FA92727-1	01/26/22	10:50	BH	01/28/22	AQ	Ground Water	TMW-4
FA92727-2	01/26/22	11:41	BH	01/28/22	AQ	Ground Water	TMW-5
FA92727-3	01/26/22	12:45	BH	01/28/22	AQ	Ground Water	TMW-6
FA92727-4	01/26/22	00:00	BH	01/28/22	AQ	Trip Blank Water	TRIP BLANK

Summary of Hits

Job Number: FA92727
Account: GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC
Collected: 01/26/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA92727-1	**TMW-4**					
Benzene		12300	250	63	ug/l	SM 6200B
Ethylbenzene		2280	250	63	ug/l	SM 6200B
Isopropylbenzene		97.9 J	250	63	ug/l	SM 6200B
Methyl Tert Butyl Ether		17200	250	63	ug/l	SM 6200B
Naphthalene		401	250	63	ug/l	SM 6200B
n-Propylbenzene		284	250	63	ug/l	SM 6200B
Tert-Amyl Alcohol		2820 J	5000	1000	ug/l	SM 6200B
Tert-Amyl Methyl Ether		227 J	500	100	ug/l	SM 6200B
Toluene		13500	250	63	ug/l	SM 6200B
1,2,4-Trimethylbenzene		1860	250	63	ug/l	SM 6200B
1,3,5-Trimethylbenzene		599	250	63	ug/l	SM 6200B
m,p-Xylene		5680	500	63	ug/l	SM 6200B
o-Xylene		2750	250	63	ug/l	SM 6200B
Xylene (total)		8430	750	130	ug/l	SM 6200B
FA92727-2	**TMW-5**					
Benzene		21800	1300	310	ug/l	SM 6200B
n-Butylbenzene		1520	1300	310	ug/l	SM 6200B
sec-Butylbenzene		840 J	1300	310	ug/l	SM 6200B
Ethylbenzene		13300	1300	310	ug/l	SM 6200B
Isopropylbenzene		1500	1300	310	ug/l	SM 6200B
p-Isopropyltoluene		424 J	1300	310	ug/l	SM 6200B
Methyl Tert Butyl Ether		6230	1300	310	ug/l	SM 6200B
Naphthalene		16900	1300	310	ug/l	SM 6200B
n-Propylbenzene		6710	1300	310	ug/l	SM 6200B
Tert-Amyl Alcohol		9690 J	25000	5000	ug/l	SM 6200B
Toluene		69400	1300	310	ug/l	SM 6200B
1,2,4-Trimethylbenzene		66200	1300	310	ug/l	SM 6200B
1,3,5-Trimethylbenzene		16500	1300	310	ug/l	SM 6200B
m,p-Xylene		52500	2500	310	ug/l	SM 6200B
o-Xylene		26000	1300	310	ug/l	SM 6200B
Xylene (total)		78500	3800	630	ug/l	SM 6200B
FA92727-3	**TMW-6**					
Benzene		33000	1300	310	ug/l	SM 6200B
Ethylbenzene		4100	1300	310	ug/l	SM 6200B
Methyl Tert Butyl Ether		58800	1300	310	ug/l	SM 6200B
Naphthalene		1060 J	1300	310	ug/l	SM 6200B
n-Propylbenzene		377 J	1300	310	ug/l	SM 6200B
Tert-Amyl Alcohol		46800	25000	5000	ug/l	SM 6200B
Tert-Amyl Methyl Ether		856 J	2500	500	ug/l	SM 6200B

Summary of Hits

Job Number: FA92727
Account: GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC
Collected: 01/26/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Toluene		57400	1300	310	ug/l	SM 6200B
1,2,4-Trimethylbenzene		2990	1300	310	ug/l	SM 6200B
1,3,5-Trimethylbenzene		923 J	1300	310	ug/l	SM 6200B
m,p-Xylene		13500	2500	310	ug/l	SM 6200B
o-Xylene		6620	1300	310	ug/l	SM 6200B
Xylene (total)		20100	3800	630	ug/l	SM 6200B

FA92727-4 **TRIP BLANK**

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TMW-4		
Lab Sample ID:	FA92727-1	**Date Sampled:**	01/26/22
Matrix:	AQ - Ground Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0230087.D	500	02/07/22 18:48	JL	n/a	n/a	VA3053
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	12300	250	63	ug/l	
108-86-1	Bromobenzene	ND	250	63	ug/l	
74-97-5	Bromochloromethane	ND	250	63	ug/l	
75-27-4	Bromodichloromethane	ND	250	63	ug/l	
75-25-2	Bromoform	ND	250	63	ug/l	
104-51-8	n-Butylbenzene	ND	250	63	ug/l	
135-98-8	sec-Butylbenzene	ND	250	63	ug/l	
98-06-6	tert-Butylbenzene	ND	250	63	ug/l	
56-23-5	Carbon Tetrachloride	ND	250	63	ug/l	
108-90-7	Chlorobenzene	ND	250	63	ug/l	
75-00-3	Chloroethane	ND	250	100	ug/l	
67-66-3	Chloroform	ND	250	63	ug/l	
95-49-8	o-Chlorotoluene	ND	250	63	ug/l	
106-43-4	p-Chlorotoluene	ND	250	63	ug/l	
124-48-1	Dibromochloromethane	ND	250	63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	120	ug/l	
106-93-4	1,2-Dibromoethane	ND	250	63	ug/l	
75-71-8	Dichlorodifluoromethane	ND	250	100	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	250	63	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	250	63	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	250	63	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	63	ug/l	
107-06-2	1,2-Dichloroethane	ND	250	63	ug/l	
75-35-4	1,1-Dichloroethylene	ND	250	63	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	250	63	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	250	63	ug/l	
78-87-5	1,2-Dichloropropane	ND	250	63	ug/l	
142-28-9	1,3-Dichloropropane	ND	250	63	ug/l	
594-20-7	2,2-Dichloropropane	ND	250	63	ug/l	
563-58-6	1,1-Dichloropropene	ND	250	63	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	250	63	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	250	63	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TMW-4		
Lab Sample ID:	FA92727-1	**Date Sampled:**	01/26/22
Matrix:	AQ - Ground Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl Ether	ND	250	63	ug/l	
64-17-5	Ethyl Alcohol [a]	ND	50000	33000	ug/l	
100-41-4	Ethylbenzene	2280	250	63	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	250	63	ug/l	
87-68-3	Hexachlorobutadiene	ND	250	63	ug/l	
98-82-8	Isopropylbenzene	97.9	250	63	ug/l	J
99-87-6	p-Isopropyltoluene	ND	250	63	ug/l	
74-83-9	Methyl Bromide	ND	250	100	ug/l	
74-87-3	Methyl Chloride	ND	250	100	ug/l	
74-95-3	Methylene Bromide	ND	250	63	ug/l	
75-09-2	Methylene Chloride	ND	1000	500	ug/l	
1634-04-4	Methyl Tert Butyl Ether	17200	250	63	ug/l	
91-20-3	Naphthalene	401	250	63	ug/l	
103-65-1	n-Propylbenzene	284	250	63	ug/l	
100-42-5	Styrene	ND	250	63	ug/l	
75-85-4	Tert-Amyl Alcohol	2820	5000	1000	ug/l	J
994-05-8	Tert-Amyl Methyl Ether	227	500	100	ug/l	J
75-65-0	Tert-Butyl Alcohol	ND	5000	1000	ug/l	
762-75-4	Tert-Butyl Formate	ND	5000	1000	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	63	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	63	ug/l	
127-18-4	Tetrachloroethylene	ND	250	63	ug/l	
108-88-3	Toluene	13500	250	63	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	63	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	63	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	63	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	250	63	ug/l	
79-01-6	Trichloroethylene	ND	250	63	ug/l	
75-69-4	Trichlorofluoromethane	ND	250	100	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	250	63	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1860	250	63	ug/l	
108-67-8	1,3,5-Trimethylbenzene	599	250	63	ug/l	
75-01-4	Vinyl Chloride	ND	250	63	ug/l	
	m,p-Xylene	5680	500	63	ug/l	
95-47-6	o-Xylene	2750	250	63	ug/l	
1330-20-7	Xylene (total)	8430	750	130	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TMW-4		
Lab Sample ID:	FA92727-1	**Date Sampled:**	01/26/22
Matrix:	AQ - Ground Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

VOA 6200B List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

(a) Associated BS recovery outside control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TMW-5		
Lab Sample ID:	FA92727-2	**Date Sampled:**	01/26/22
Matrix:	AQ - Ground Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0230088.D	2500	02/07/22 19:10	JL	n/a	n/a	VA3053
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	21800	1300	310	ug/l	
108-86-1	Bromobenzene	ND	1300	310	ug/l	
74-97-5	Bromochloromethane	ND	1300	310	ug/l	
75-27-4	Bromodichloromethane	ND	1300	310	ug/l	
75-25-2	Bromoform	ND	1300	310	ug/l	
104-51-8	n-Butylbenzene	1520	1300	310	ug/l	
135-98-8	sec-Butylbenzene	840	1300	310	ug/l	J
98-06-6	tert-Butylbenzene	ND	1300	310	ug/l	
56-23-5	Carbon Tetrachloride	ND	1300	310	ug/l	
108-90-7	Chlorobenzene	ND	1300	310	ug/l	
75-00-3	Chloroethane	ND	1300	500	ug/l	
67-66-3	Chloroform	ND	1300	310	ug/l	
95-49-8	o-Chlorotoluene	ND	1300	310	ug/l	
106-43-4	p-Chlorotoluene	ND	1300	310	ug/l	
124-48-1	Dibromochloromethane	ND	1300	310	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1300	620	ug/l	
106-93-4	1,2-Dibromoethane	ND	1300	310	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1300	500	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1300	310	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1300	310	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1300	310	ug/l	
75-34-3	1,1-Dichloroethane	ND	1300	310	ug/l	
107-06-2	1,2-Dichloroethane	ND	1300	310	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1300	310	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1300	310	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1300	310	ug/l	
78-87-5	1,2-Dichloropropane	ND	1300	310	ug/l	
142-28-9	1,3-Dichloropropane	ND	1300	310	ug/l	
594-20-7	2,2-Dichloropropane	ND	1300	310	ug/l	
563-58-6	1,1-Dichloropropene	ND	1300	310	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1300	310	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1300	310	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TMW-5		
Lab Sample ID:	FA92727-2	**Date Sampled:**	01/26/22
Matrix:	AQ - Ground Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl Ether	ND	1300	310	ug/l	
64-17-5	Ethyl Alcohol [a]	ND	250000	160000	ug/l	
100-41-4	Ethylbenzene	13300	1300	310	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	1300	310	ug/l	
87-68-3	Hexachlorobutadiene	ND	1300	310	ug/l	
98-82-8	Isopropylbenzene	1500	1300	310	ug/l	
99-87-6	p-Isopropyltoluene	424	1300	310	ug/l	J
74-83-9	Methyl Bromide	ND	1300	500	ug/l	
74-87-3	Methyl Chloride	ND	1300	500	ug/l	
74-95-3	Methylene Bromide	ND	1300	310	ug/l	
75-09-2	Methylene Chloride	ND	5000	2500	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6230	1300	310	ug/l	
91-20-3	Naphthalene	16900	1300	310	ug/l	
103-65-1	n-Propylbenzene	6710	1300	310	ug/l	
100-42-5	Styrene	ND	1300	310	ug/l	
75-85-4	Tert-Amyl Alcohol	9690	25000	5000	ug/l	J
994-05-8	Tert-Amyl Methyl Ether	ND	2500	500	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	25000	5000	ug/l	
762-75-4	Tert-Butyl Formate	ND	25000	5000	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1300	310	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1300	310	ug/l	
127-18-4	Tetrachloroethylene	ND	1300	310	ug/l	
108-88-3	Toluene	69400	1300	310	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1300	310	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1300	310	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1300	310	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1300	310	ug/l	
79-01-6	Trichloroethylene	ND	1300	310	ug/l	
75-69-4	Trichlorofluoromethane	ND	1300	500	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	1300	310	ug/l	
95-63-6	1,2,4-Trimethylbenzene	66200	1300	310	ug/l	
108-67-8	1,3,5-Trimethylbenzene	16500	1300	310	ug/l	
75-01-4	Vinyl Chloride	ND	1300	310	ug/l	
	m,p-Xylene	52500	2500	310	ug/l	
95-47-6	o-Xylene	26000	1300	310	ug/l	
1330-20-7	Xylene (total)	78500	3800	630	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TMW-5		
Lab Sample ID:	FA92727-2	**Date Sampled:**	01/26/22
Matrix:	AQ - Ground Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

VOA 6200B List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	113%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

(a) Associated BS recovery outside control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TMW-6		
Lab Sample ID:	FA92727-3	**Date Sampled:**	01/26/22
Matrix:	AQ - Ground Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0230089.D	2500	02/07/22 19:33	JL	n/a	n/a	VA3053
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	33000	1300	310	ug/l	
108-86-1	Bromobenzene	ND	1300	310	ug/l	
74-97-5	Bromochloromethane	ND	1300	310	ug/l	
75-27-4	Bromodichloromethane	ND	1300	310	ug/l	
75-25-2	Bromoform	ND	1300	310	ug/l	
104-51-8	n-Butylbenzene	ND	1300	310	ug/l	
135-98-8	sec-Butylbenzene	ND	1300	310	ug/l	
98-06-6	tert-Butylbenzene	ND	1300	310	ug/l	
56-23-5	Carbon Tetrachloride	ND	1300	310	ug/l	
108-90-7	Chlorobenzene	ND	1300	310	ug/l	
75-00-3	Chloroethane	ND	1300	500	ug/l	
67-66-3	Chloroform	ND	1300	310	ug/l	
95-49-8	o-Chlorotoluene	ND	1300	310	ug/l	
106-43-4	p-Chlorotoluene	ND	1300	310	ug/l	
124-48-1	Dibromochloromethane	ND	1300	310	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1300	620	ug/l	
106-93-4	1,2-Dibromoethane	ND	1300	310	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1300	500	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1300	310	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1300	310	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1300	310	ug/l	
75-34-3	1,1-Dichloroethane	ND	1300	310	ug/l	
107-06-2	1,2-Dichloroethane	ND	1300	310	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1300	310	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1300	310	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1300	310	ug/l	
78-87-5	1,2-Dichloropropane	ND	1300	310	ug/l	
142-28-9	1,3-Dichloropropane	ND	1300	310	ug/l	
594-20-7	2,2-Dichloropropane	ND	1300	310	ug/l	
563-58-6	1,1-Dichloropropene	ND	1300	310	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1300	310	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1300	310	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TMW-6		
Lab Sample ID:	FA92727-3	**Date Sampled:**	01/26/22
Matrix:	AQ - Ground Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl Ether	ND	1300	310	ug/l	
64-17-5	Ethyl Alcohol [a]	ND	250000	160000	ug/l	
100-41-4	Ethylbenzene	4100	1300	310	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	1300	310	ug/l	
87-68-3	Hexachlorobutadiene	ND	1300	310	ug/l	
98-82-8	Isopropylbenzene	ND	1300	310	ug/l	
99-87-6	p-Isopropyltoluene	ND	1300	310	ug/l	
74-83-9	Methyl Bromide	ND	1300	500	ug/l	
74-87-3	Methyl Chloride	ND	1300	500	ug/l	
74-95-3	Methylene Bromide	ND	1300	310	ug/l	
75-09-2	Methylene Chloride	ND	5000	2500	ug/l	
1634-04-4	Methyl Tert Butyl Ether	58800	1300	310	ug/l	
91-20-3	Naphthalene	1060	1300	310	ug/l	J
103-65-1	n-Propylbenzene	377	1300	310	ug/l	J
100-42-5	Styrene	ND	1300	310	ug/l	
75-85-4	Tert-Amyl Alcohol	46800	25000	5000	ug/l	
994-05-8	Tert-Amyl Methyl Ether	856	2500	500	ug/l	J
75-65-0	Tert-Butyl Alcohol	ND	25000	5000	ug/l	
762-75-4	Tert-Butyl Formate	ND	25000	5000	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1300	310	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1300	310	ug/l	
127-18-4	Tetrachloroethylene	ND	1300	310	ug/l	
108-88-3	Toluene	57400	1300	310	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1300	310	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1300	310	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1300	310	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1300	310	ug/l	
79-01-6	Trichloroethylene	ND	1300	310	ug/l	
75-69-4	Trichlorofluoromethane	ND	1300	500	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	1300	310	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2990	1300	310	ug/l	
108-67-8	1,3,5-Trimethylbenzene	923	1300	310	ug/l	J
75-01-4	Vinyl Chloride	ND	1300	310	ug/l	
	m,p-Xylene	13500	2500	310	ug/l	
95-47-6	o-Xylene	6620	1300	310	ug/l	
1330-20-7	Xylene (total)	20100	3800	630	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TMW-6		
Lab Sample ID:	FA92727-3	**Date Sampled:**	01/26/22
Matrix:	AQ - Ground Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

VOA 6200B List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	111%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

(a) Associated BS recovery outside control limits high, sample is ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA92727-4	**Date Sampled:**	01/26/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	A0230072.D	1	02/07/22 13:03	JL	n/a	n/a	VA3053
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA92727-4	**Date Sampled:**	01/26/22
Matrix:	AQ - Trip Blank Water	**Date Received:**	01/28/22
Method:	SM 6200B	**Percent Solids:**	n/a
Project:	Minit Shop; 207 Middle St, Maxton, NC		

VOA 6200B List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl Ether	ND	0.50	0.13	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.50	0.13	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	ND	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.13	ug/l	
91-20-3	Naphthalene	ND	0.50	0.13	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	
1330-20-7	Xylene (total)	ND	1.5	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

(a) Sample vial(s) contained bubbles greater than 6mm.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

FA92727

SGS North America Inc - Orlando
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 FAX: 407-425-0707
www.sgs.com

SGS - ORLANDO JOB # : PAGE 1 OF 1

SGS - ORLANDO Quote # | SKIFF #

Client / Reporting Information

Company Name: Geologic Resources Inc
Address: 2502 Hanes Rd
City: Monroe State: NC Zip: 28110
Project Contact: W Reighthal Email:
Phone #:
Sampler(s) Name(s) (Printed)
Sampler 1: B. Heighton Sampler 2:

Project Information

Project Name: Minit Shop
Street 207 Middle St
City Maxton State NC
Project # 2549
Fax #
Client Purchase Order #

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid

SGS Orlando Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	CONTAINER INFORMATION: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	6200S + SOXY + Ethanol	6700S	LAB USE ONLY
1	TMW-4	1/26	1050	BH	GW	3										X		
2	TMW-5	1/26	1141	BH	GW	3										X		
3	TMW-6	1/26	1245	BH	GW	3										X		
4	Trip Blank	1/26	-	-	-	1											X	

INITIAL ASSESSMENT

LABEL VERIFICATION

Turnaround Time (Business days)

10 Day (Business)
7 Day
5 Day
3 Day *RUSH*
2 Day *RUSH*
1 Day *RUSH*
Other
Approved By: / Date:
Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULLT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

NTF

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler/Affiliation	Date Time:	Received By/Affiliation	Relinquished By/Affiliation	Date Time:	Received By/Affiliation
1	BH	1/26/22	2 FEDEX	3	1/28/22 1000	4
5	Relinquished by/Affiliation	Date Time:	6 Received By/Affiliation	7 Relinquished By/Affiliation	Date Time:	8 Received By/Affiliation

Lab Use Only: Cooler Temperature (s) Celsius (corrected): 3.4 CIR1

http://www.sgs.com/en/terms-and-conditions

ORLD-SMT-0001-03-FORM-COC (4).xls Rev 031318

FA92727: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: FA92727 **Client:** GEOLOGICAL RESOURCES INC **Project:** MINIT SHOP

Date / Time Received: 1/28/2022 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 1009 6378 8845

Therm ID: IR 1; **Therm CF:** 0.4; **# of Coolers:** 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.4);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Information	Y	N
1. Custody Seals Present	☑	☐
2. Custody Seals Intact	☑	☐
3. Temp criteria achieved	☑	☐
4. Cooler temp verification	IR Gun	
5. Cooler media	Ice (Bag)	

Trip Blank Information	Y	N	N/A
1. Trip Blank present / cooler	☑	☐	☐
2. Trip Blank listed on COC	☑	☐	☐

	W	S	N/A
3. Type Of TB Received	☑	☐	☐

Sample Information	Y	N	N/A
1. Sample labels present on bottles	☑	☐	
2. Samples preserved properly	☑	☐	
3. Sufficient volume/containers recvd for analysis:	☑	☐	
4. Condition of sample	Intact		
5. Sample recvd within HT	☑	☐	
6. Dates/Times/IDs on COC match Sample Label	☑	☐	
7. VOCs have headspace	☐	☑	☐
8. Bottles received for unspecified tests	☐	☑	
9. Compositing instructions clear	☐	☐	☑
10. Voa Soil Kits/Jars received past 48hrs?	☐	☐	☑
11. % Solids Jar received?	☐	☐	☑
12. Residual Chlorine Present?	☐	☐	☑

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____ Number of 5035 Field Kits: _____ Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) _____ _____

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: SAMUELM Date: 1/28/2022 10:00:00 A Reviewer: _____ Date: _____

FA92727: Chain of Custody
Page 2 of 2

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA92727
Account: GRINCC GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3053-MB	A0230069.D	1	02/07/22	JL	n/a	n/a	VA3053

The QC reported here applies to the following samples: **Method:** SM 6200B

FA92727-1, FA92727-2, FA92727-3, FA92727-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.13	ug/l	
108-86-1	Bromobenzene	ND	0.50	0.13	ug/l	
74-97-5	Bromochloromethane	ND	0.50	0.13	ug/l	
75-27-4	Bromodichloromethane	ND	0.50	0.13	ug/l	
75-25-2	Bromoform	ND	0.50	0.13	ug/l	
104-51-8	n-Butylbenzene	ND	0.50	0.13	ug/l	
135-98-8	sec-Butylbenzene	ND	0.50	0.13	ug/l	
98-06-6	tert-Butylbenzene	ND	0.50	0.13	ug/l	
56-23-5	Carbon Tetrachloride	ND	0.50	0.13	ug/l	
108-90-7	Chlorobenzene	ND	0.50	0.13	ug/l	
75-00-3	Chloroethane	ND	0.50	0.20	ug/l	
67-66-3	Chloroform	ND	0.50	0.13	ug/l	
95-49-8	o-Chlorotoluene	ND	0.50	0.13	ug/l	
106-43-4	p-Chlorotoluene	ND	0.50	0.13	ug/l	
124-48-1	Dibromochloromethane	ND	0.50	0.13	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.50	0.25	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.50	0.13	ug/l	
75-71-8	Dichlorodifluoromethane	ND	0.50	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	0.50	0.13	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	0.50	0.13	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	0.50	0.13	ug/l	
75-34-3	1,1-Dichloroethane	ND	0.50	0.13	ug/l	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	ug/l	
75-35-4	1,1-Dichloroethylene	ND	0.50	0.13	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.50	0.13	ug/l	
78-87-5	1,2-Dichloropropane	ND	0.50	0.13	ug/l	
142-28-9	1,3-Dichloropropane	ND	0.50	0.13	ug/l	
594-20-7	2,2-Dichloropropane	ND	0.50	0.13	ug/l	
563-58-6	1,1-Dichloropropene	ND	0.50	0.13	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.13	ug/l	
108-20-3	Di-Isopropyl Ether	ND	0.50	0.13	ug/l	
64-17-5	Ethyl Alcohol	ND	100	65	ug/l	
100-41-4	Ethylbenzene	ND	0.50	0.13	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	0.50	0.13	ug/l	

Method Blank Summary

Job Number: FA92727
Account: GRINCC GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3053-MB	A0230069.D	1	02/07/22	JL	n/a	n/a	VA3053

The QC reported here applies to the following samples: **Method:** SM 6200B

FA92727-1, FA92727-2, FA92727-3, FA92727-4

CAS No.	Compound	Result	RL	MDL	Units	Q
87-68-3	Hexachlorobutadiene	ND	0.50	0.13	ug/l	
98-82-8	Isopropylbenzene	ND	0.50	0.13	ug/l	
99-87-6	p-Isopropyltoluene	ND	0.50	0.13	ug/l	
74-83-9	Methyl Bromide	ND	0.50	0.20	ug/l	
74-87-3	Methyl Chloride	ND	0.50	0.20	ug/l	
74-95-3	Methylene Bromide	ND	0.50	0.13	ug/l	
75-09-2	Methylene Chloride	ND	2.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	0.13	ug/l	
91-20-3	Naphthalene	ND	0.50	0.13	ug/l	
103-65-1	n-Propylbenzene	ND	0.50	0.13	ug/l	
100-42-5	Styrene	ND	0.50	0.13	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	10	2.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	1.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.0	ug/l	
762-75-4	Tert-Butyl Formate	ND	10	2.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.13	ug/l	
127-18-4	Tetrachloroethylene	ND	0.50	0.13	ug/l	
108-88-3	Toluene	ND	0.50	0.13	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.50	0.13	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	0.13	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.13	ug/l	
79-01-6	Trichloroethylene	ND	0.50	0.13	ug/l	
75-69-4	Trichlorofluoromethane	ND	0.50	0.20	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	0.50	0.13	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	0.13	ug/l	
75-01-4	Vinyl Chloride	ND	0.50	0.13	ug/l	
	m,p-Xylene	ND	1.0	0.13	ug/l	
95-47-6	o-Xylene	ND	0.50	0.13	ug/l	
1330-20-7	Xylene (total)	ND	1.5	0.25	ug/l	

Method Blank Summary

Job Number: FA92727
Account: GRINCC GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3053-MB	A0230069.D	1	02/07/22	JL	n/a	n/a	VA3053

The QC reported here applies to the following samples: **Method:** SM 6200B

FA92727-1, FA92727-2, FA92727-3, FA92727-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
17060-07-0	1,2-Dichloroethane-D4	108%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike Summary

Job Number: FA92727
Account: GRINCC GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3053-BS	A0230067.D	1	02/07/22	JL	n/a	n/a	VA3053

The QC reported here applies to the following samples: **Method:** SM 6200B

FA92727-1, FA92727-2, FA92727-3, FA92727-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	10	11.6	116	70-130
108-86-1	Bromobenzene	10	11.2	112	70-130
74-97-5	Bromochloromethane	10	10	100	70-130
75-27-4	Bromodichloromethane	10	10.8	108	70-130
75-25-2	Bromoform	10	9.2	92	70-130
104-51-8	n-Butylbenzene	10	11.1	111	70-130
135-98-8	sec-Butylbenzene	10	11.8	118	70-130
98-06-6	tert-Butylbenzene	10	11.5	115	70-130
56-23-5	Carbon Tetrachloride	10	11.2	112	70-130
108-90-7	Chlorobenzene	10	11.2	112	70-130
75-00-3	Chloroethane	10	12.4	124	60-140
67-66-3	Chloroform	10	10.9	109	70-130
95-49-8	o-Chlorotoluene	10	11.5	115	70-130
106-43-4	p-Chlorotoluene	10	11.4	114	70-130
124-48-1	Dibromochloromethane	10	9.9	99	70-130
96-12-8	1,2-Dibromo-3-chloropropane	10	10	100	70-130
106-93-4	1,2-Dibromoethane	10	10.9	109	70-130
75-71-8	Dichlorodifluoromethane	10	9.2	92	60-140
95-50-1	1,2-Dichlorobenzene	10	11.3	113	70-130
541-73-1	1,3-Dichlorobenzene	10	11.6	116	70-130
106-46-7	1,4-Dichlorobenzene	10	11.2	112	70-130
75-34-3	1,1-Dichloroethane	10	11.5	115	70-130
107-06-2	1,2-Dichloroethane	10	11.2	112	70-130
75-35-4	1,1-Dichloroethylene	10	11.9	119	70-130
156-59-2	cis-1,2-Dichloroethylene	10	11.4	114	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.6	116	70-130
78-87-5	1,2-Dichloropropane	10	11.3	113	70-130
142-28-9	1,3-Dichloropropane	10	10.7	107	70-130
594-20-7	2,2-Dichloropropane	10	12.2	122	70-130
563-58-6	1,1-Dichloropropene	10	11.8	118	70-130
10061-01-5	cis-1,3-Dichloropropene	10	10.8	108	70-130
10061-02-6	trans-1,3-Dichloropropene	10	10.5	105	70-130
108-20-3	Di-Isopropyl Ether	10	10.7	107	70-130
64-17-5	Ethyl Alcohol	500	674	135*	70-130
100-41-4	Ethylbenzene	10	11.6	116	70-130
637-92-3	Ethyl Tert Butyl Ether	10	9.6	96	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA92727
Account: GRINCC GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3053-BS	A0230067.D	1	02/07/22	JL	n/a	n/a	VA3053

The QC reported here applies to the following samples: **Method:** SM 6200B

FA92727-1, FA92727-2, FA92727-3, FA92727-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
87-68-3	Hexachlorobutadiene	10	11.4	114	70-130
98-82-8	Isopropylbenzene	10	11.6	116	70-130
99-87-6	p-Isopropyltoluene	10	11.7	117	70-130
74-83-9	Methyl Bromide	10	13.1	131	60-140
74-87-3	Methyl Chloride	10	11.2	112	60-140
74-95-3	Methylene Bromide	10	10.3	103	70-130
75-09-2	Methylene Chloride	10	9.7	97	70-130
1634-04-4	Methyl Tert Butyl Ether	10	10.7	107	70-130
91-20-3	Naphthalene	10	10.8	108	70-130
103-65-1	n-Propylbenzene	10	11.5	115	70-130
100-42-5	Styrene	10	11.0	110	70-130
75-85-4	Tert-Amyl Alcohol	100	107	107	70-130
994-05-8	Tert-Amyl Methyl Ether	10	9.9	99	70-130
75-65-0	Tert-Butyl Alcohol	100	127	127	70-130
762-75-4	Tert-Butyl Formate	100	102	102	70-130
630-20-6	1,1,1,2-Tetrachloroethane	10	11.0	110	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.0	110	70-130
127-18-4	Tetrachloroethylene	10	11.4	114	70-130
108-88-3	Toluene	10	11.4	114	70-130
87-61-6	1,2,3-Trichlorobenzene	10	11.0	110	70-130
120-82-1	1,2,4-Trichlorobenzene	10	11.1	111	70-130
71-55-6	1,1,1-Trichloroethane	10	11.4	114	70-130
79-00-5	1,1,2-Trichloroethane	10	10.9	109	70-130
79-01-6	Trichloroethylene	10	11.5	115	70-130
75-69-4	Trichlorofluoromethane	10	13.3	133	60-140
96-18-4	1,2,3-Trichloropropane	10	11.0	110	70-130
95-63-6	1,2,4-Trimethylbenzene	10	11.1	111	70-130
108-67-8	1,3,5-Trimethylbenzene	10	11.4	114	70-130
75-01-4	Vinyl Chloride	10	10.5	105	60-140
	m,p-Xylene	20	23.1	116	70-130
95-47-6	o-Xylene	10	11.2	112	70-130
1330-20-7	Xylene (total)	30	34.3	114	70-130

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA92727
Account: GRINCC GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA3053-BS	A0230067.D	1	02/07/22	JL	n/a	n/a	VA3053

The QC reported here applies to the following samples: **Method:** SM 6200B

FA92727-1, FA92727-2, FA92727-3, FA92727-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA92727
Account: GRINCC GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA92728-1MS	A0230092.D	25	02/07/22	JL	n/a	n/a	VA3053
FA92728-1MSD	A0230093.D	25	02/07/22	JL	n/a	n/a	VA3053
FA92728-1 [a]	A0230091.D	25	02/07/22	JL	n/a	n/a	VA3053

The QC reported here applies to the following samples: **Method:** SM 6200B

FA92727-1, FA92727-2, FA92727-3, FA92727-4

CAS No.	Compound	FA92728-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	82.1		250	384	121	250	380	119	1	70-130/20
108-86-1	Bromobenzene	ND		250	290	116	250	293	117	1	70-130/20
74-97-5	Bromochloromethane	ND		250	247	99	250	252	101	2	70-130/20
75-27-4	Bromodichloromethane	ND		250	283	113	250	293	117	3	70-130/20
75-25-2	Bromoform	ND		250	227	91	250	233	93	3	70-130/20
104-51-8	n-Butylbenzene	63.8		250	570	202*	250	569	202*	0	70-130/20
135-98-8	sec-Butylbenzene	32.0		250	435	161*	250	437	162*	0	70-130/20
98-06-6	tert-Butylbenzene	ND		250	307	123	250	309	124	1	70-130/20
56-23-5	Carbon Tetrachloride	ND		250	276	110	250	278	111	1	70-130/20
108-90-7	Chlorobenzene	ND		250	297	119	250	300	120	1	70-130/20
75-00-3	Chloroethane	ND		250	330	132	250	285	114	15	60-140/20
67-66-3	Chloroform	ND		250	286	114	250	292	117	2	70-130/20
95-49-8	o-Chlorotoluene	ND		250	455	182*	250	445	178*	2	70-130/20
106-43-4	p-Chlorotoluene	ND		250	291	116	250	292	117	0	70-130/20
124-48-1	Dibromochloromethane	ND		250	256	102	250	256	102	0	70-130/20
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	400	160*	250	412	165*	3	70-130/20
106-93-4	1,2-Dibromoethane	ND		250	288	115	250	290	116	1	70-130/20
75-71-8	Dichlorodifluoromethane	ND		250	193	77	250	214	86	10	60-140/20
95-50-1	1,2-Dichlorobenzene	ND		250	289	116	250	297	119	3	70-130/20
541-73-1	1,3-Dichlorobenzene	ND		250	297	119	250	302	121	2	70-130/20
106-46-7	1,4-Dichlorobenzene	ND		250	285	114	250	290	116	2	70-130/20
75-34-3	1,1-Dichloroethane	ND		250	302	121	250	302	121	0	70-130/20
107-06-2	1,2-Dichloroethane	ND		250	302	121	250	297	119	2	70-130/20
75-35-4	1,1-Dichloroethylene	ND		250	301	120	250	300	120	0	70-130/20
156-59-2	cis-1,2-Dichloroethylene	ND		250	284	114	250	292	117	3	70-130/20
156-60-5	trans-1,2-Dichloroethylene	ND		250	297	119	250	296	118	0	70-130/20
78-87-5	1,2-Dichloropropane	ND		250	297	119	250	303	121	2	70-130/20
142-28-9	1,3-Dichloropropane	ND		250	284	114	250	284	114	0	70-130/20
594-20-7	2,2-Dichloropropane	ND		250	277	111	250	278	111	0	70-130/20
563-58-6	1,1-Dichloropropene	ND		250	306	122	250	306	122	0	70-130/20
10061-01-5	cis-1,3-Dichloropropene	ND		250	285	114	250	288	115	1	70-130/20
10061-02-6	trans-1,3-Dichloropropene	ND		250	275	110	250	274	110	0	70-130/20
108-20-3	Di-Isopropyl Ether	ND		250	273	109	250	274	110	0	70-130/20
64-17-5	Ethyl Alcohol	ND		12500	5390	43*	12500	16200	130	100*	70-130/20
100-41-4	Ethylbenzene	479		250	987	203*	250	932	181*	6	70-130/20
637-92-3	Ethyl Tert Butyl Ether	ND		250	236	94	250	244	98	3	70-130/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA92727
Account: GRINCC GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA92728-1MS	A0230092.D	25	02/07/22	JL	n/a	n/a	VA3053
FA92728-1MSD	A0230093.D	25	02/07/22	JL	n/a	n/a	VA3053
FA92728-1 [a]	A0230091.D	25	02/07/22	JL	n/a	n/a	VA3053

The QC reported here applies to the following samples: **Method:** SM 6200B

FA92727-1, FA92727-2, FA92727-3, FA92727-4

CAS No.	Compound	FA92728-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
87-68-3	Hexachlorobutadiene	ND		250	275	110	250	280	112	2	70-130/20
98-82-8	Isopropylbenzene	81.0		250	499	167*	250	490	164*	2	70-130/20
99-87-6	p-Isopropyltoluene	21.2		250	379	143*	250	385	146*	2	70-130/20
74-83-9	Methyl Bromide	ND		250	344	138	250	300	120	14	60-140/20
74-87-3	Methyl Chloride	ND		250	266	106	250	277	111	4	60-140/20
74-95-3	Methylene Bromide	ND		250	269	108	250	272	109	1	70-130/20
75-09-2	Methylene Chloride	ND		250	256	102	250	262	105	2	70-130/20
1634-04-4	Methyl Tert Butyl Ether	ND		250	268	107	250	276	110	3	70-130/20
91-20-3	Naphthalene	676		250	1330	262* [b]	250	1340	266* [b]	1	70-130/20
103-65-1	n-Propylbenzene	272		250	1010	295*	250	964	277*	5	70-130/20
100-42-5	Styrene	ND		250	294	118	250	298	119	1	70-130/20
75-85-4	Tert-Amyl Alcohol	ND		2500	1830	73	2500	2860	114	44*	70-130/20
994-05-8	Tert-Amyl Methyl Ether	ND		250	239	96	250	252	101	5	70-130/20
75-65-0	Tert-Butyl Alcohol	ND		2500	1840	74	2500	3130	125	52*	70-130/20
762-75-4	Tert-Butyl Formate	ND		2500	1690	68*	2500	2270	91	29*	70-130/20
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	285	114	250	289	116	1	70-130/20
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	311	124	250	304	122	2	70-130/20
127-18-4	Tetrachloroethylene	ND		250	290	116	250	288	115	1	70-130/20
108-88-3	Toluene	48.4		250	347	119	250	342	117	1	70-130/20
87-61-6	1,2,3-Trichlorobenzene	ND		250	279	112	250	288	115	3	70-130/20
120-82-1	1,2,4-Trichlorobenzene	ND		250	271	108	250	282	113	4	70-130/20
71-55-6	1,1,1-Trichloroethane	ND		250	291	116	250	295	118	1	70-130/20
79-00-5	1,1,2-Trichloroethane	ND		250	437	175*	250	437	175*	0	70-130/20
79-01-6	Trichloroethylene	ND		250	301	120	250	310	124	3	70-130/20
75-69-4	Trichlorofluoromethane	ND		250	278	111	250	291	116	5	60-140/20
96-18-4	1,2,3-Trichloropropane	ND		250	280	112	250	290	116	4	70-130/20
95-63-6	1,2,4-Trimethylbenzene	2170	E	250	4900	1092* [b]	250	4590	968* [b]	7	70-130/20
108-67-8	1,3,5-Trimethylbenzene	597		250	1730	453* [b]	250	1650	421* [b]	5	70-130/20
75-01-4	Vinyl Chloride	ND		250	221	88	250	250	100	12	60-140/20
	m,p-Xylene	1080		500	2180	220* [b]	500	2040	192* [b]	7	70-130/20
95-47-6	o-Xylene	122		250	482	144*	250	470	139*	3	70-130/20
1330-20-7	Xylene (total)	1200		750	2670	196*	750	2510	175*	6	70-130/20

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA92727
Account: GRINCC GRI (Geological Resources Inc.)
Project: Minit Shop; 207 Middle St, Maxton, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA92728-1MS	A0230092.D	25	02/07/22	JL	n/a	n/a	VA3053
FA92728-1MSD	A0230093.D	25	02/07/22	JL	n/a	n/a	VA3053
FA92728-1 [a]	A0230091.D	25	02/07/22	JL	n/a	n/a	VA3053

The QC reported here applies to the following samples: **Method:** SM 6200B

FA92727-1, FA92727-2, FA92727-3, FA92727-4

CAS No.	Surrogate Recoveries	MS	MSD	FA92728-1	Limits
1868-53-7	Dibromofluoromethane	101%	99%	103%	70-130%
17060-07-0	1,2-Dichloroethane-D4	103%	104%	111%	70-130%
2037-26-5	Toluene-D8	99%	98%	99%	70-130%
460-00-4	4-Bromofluorobenzene	99%	98%	96%	70-130%

(a) QC sample. RR@50X 124TMB OR
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

APPENDIX D

Mobile Laboratory Report – Soil Samples

Geological Resources, Inc.

UVF Trilogy Analytical Report

Samples Collected: January 26, 2022
Samples Analyzed: January 28, 2022
Site Name: Minit Shop
Site Address: 207 Middle Street, Maxton, North Carolina
GRI Project Number: 2548

February 1, 2022

Ethan Rogerson, G.I.T.
Operator

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012
Engineering Certification: C-2727 • Geology Certification: C-127

Calibration

The UFV Trilogy has standard calibrations stored for the following analysis:

- GRO
- DRO
- Total PAH
- Target PAH
- Heavy PAH

Prior to use, calibration standards are used to perform a 5-point verification on the factory stored calibrations for GRO and DRO. The calibration standards used are as follows:

GRO
- 0.5 ppm
- 1 ppm
- 3 ppm
- 5 ppm
- 10 ppm

DRO
- 0.1 ppm
- 0.5 ppm
- 1 ppm
- 3 ppm
- 5 ppm

Operation

Sample Extraction

- 5mg of soil are weighed into a clean extraction jar
- Methanol is added to the extraction jar to create a 2x or 4x dilution
    - 2x Dilution: 10 mL of methanol
    - 4x Dilution: 20 mL of methanol
- The extraction jar is shaken for several minutes to thoroughly mix the soil with solvent (methanol)
- The mixture is allowed to settle for several minutes
- A clean syringe is used to draw liquid from the extraction jar
- A clean filter is attached to the end of the syringe and the liquid dispensed through the filter into a clean test tube
- This liquid is referred to as the extraction

Dilution Preparation

- An adjustable micropipette is used to precisely measure out the amount of extract needed for the dilution
- The measured out amount of the extract is added to a clean test tube and methanol is added dilute the extract. Examples of dilutions are shown below:

Extract Amount	Add Solvent to the	2x Extract Dilution Factor	4x Extract Dilution Factor
500 µL	5 mL line	20x	40x
200 µL	5 mL line	50x	100x
100 µL	5 mL line	100x	200x
50 µL	5 mL line	200x	400x
25 µL	5 mL line	400x	800x

Sample Analyzation

- The dilution is shaken to thoroughly mix, then poured into a clean glass cuvette
- The desired module is inserted into the UVF Trilogy and the corresponding factory calibration is selected
- "Measure Fluorescence" is pressed on the touchscreen and the reading is recorded
- The reading should be between the concentrations of the calibration standards (GRO: 0.5-10 ppm; DRO 0.1-5 ppm)
    - Reading below the calibration standard range are recorded as below the detection limit
        - Detection Limit = (lower range of calibration standards range) x dilution factor (i.e. a GRO sample with a 100x dilution factor has a detection limit of 50 ppm)
    - Readings above the calibration standard range should be further diluted and reanalyzed
    - Negative readings are an indication of quenching (see below)
- The reading is multiplied by the dilution factor to calculate the final concentration
- Check suspected contaminated samples for quenching by running additional dilutions
    - According to the siteLAB Quick Reference Guide:
      "Quenching" can occur when the detector is swamped by too many hydrocarbons or organic interferences, producing low or negative concentrations. Test the sample at multiple dilutions to confirm results are linear and accurate."

QA/QC

Method Blank

- A method blank of methanol will be analyzed following calibration and following the last sample analyzed each day

Duplicates

- One duplicate will be analyzed for every 20 samples
- The duplicate will be prepared from the extract of the sample and diluted to the same factor as the sample analyzed

Geological Resources, Inc.

UVF Analytical Report

siteLAB UVF Trilogy

Project Name:	Minit Shop	**Date Collected:**	1/26/2022
Project Number:	2548	**Date Analysed:**	1/28/2022
Project Manager:	William Regenthal	**Sampler:**	Brett Houghton

Sample ID	Matrix	Dilution Factor	x	GRO Output (ppm)	=	GRO Value (mg/Kg)	Dilution Factor	x	DRO Output (ppm)	=	DRO Value (mg/Kg)
TMW-4-1'	Soil	100		1.3		130	100		1.03		103
TMW-4-4'	Soil	100		7.02		702	100		0.7		70
TMW-4-6'	Soil	1000		1.76		1760	100		4.54		454
TMW-4-9'	Soil	100		4.55		455	100		0.79		79
TMW-4-15'	Soil	100		0.44		44	100		0.17		17
TMW-5-1'	Soil	1000		1.81		1810	100		4.33		433
TMW-5-4'	Soil	1000		1.53		1530	100		3.95		395
TMW-5-6'	Soil	100		9.72		972	100		2.11		211
TMW-5-9'	Soil	1000		2.34		2340	100		5.11		511
TMW-5-15'	Soil	100		1.21		121	100		1.19		119
TMW-6-1'	Soil	400		3.22		1288	400		1.51		604
TMW-6-4'	Soil	400		4.48		1792	400		0.85		340
TMW-6-6'	Soil	400		4.07		1628	400		1.43		572
TMW-6-9'	Soil	400		6.43		2572	400		1.47		588
TMW-6-15'	Soil	400		0.41		164	400		0.2		80
Dup 1	Soil	100		9.79		979	400		2.11		844

Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110

Phone: **(704) 845-4010**
Fax: **(704) 845-4012**

Geological Resources, Inc.

Project: Minit shop GRI No. _____
Address: _____
Consultant: GRI
Project Manager: William Regenthal Telephone/Email: _____
Sampler(s): Brett Houghton Telephone/Email: _____

Sample ID	UVF ID	Date	Time	Matrix	GRO			DRO		
					Dilution	Reading	Value	Dilution	Reading	Value
TMW-4-1				Soil	X100	1.30	130	X100	1.03	103
TMW-4-4'					X100	7.02	702	X100	0.70	70
TMW-4-6'					X1000	1.76	1,760	X100	4.54	454
TMW-4-9'					X100	4.55	455	X100	0.79	79
TMW-4-15					X100	0.44	44	X100	0.17	17
TMW-5-1'					X1000	1.81	1,810	X100	4.33	433
TMW-5-4'					X1000	1.53	1,530	X100	3.95	395
TMW-5-6'					X100	9.72	972	X100	2.11	211
TMW-5-9'					X1000	2.34	2340	X100	5.11	511
TMW-5-15'					X100	1.21	121	X100	1.19	119
TMW-6-1'					X400	3.22	1,288	X400	1.51	604
TMW-6-4				↓	X400	4.48	1,792	X400	0.85	340

Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110

Phone: **(704) 845-4010**
Fax: **(704) 845-4012**

Geological Resources, Inc.

Project: Minit Shop GRI No. _____
Address: _____
Consultant: GRI
Project Manager: William Regenthal Telephone/Email: _____
Sampler(s): Brett Houghton Telephone/Email: _____

Sample ID	UVF ID	Date	Time	Matrix	GRO			DRO		
					Dilution	Reading	Value	Dilution	Reading	Value
TMW-6-6'		1/28/22	1224	soil	x400	4.07	1,628	x400	1.43	572
TMW-6-9'		↓	1230	↓	x400	6.43	2,572	x400	1.47	588
TMW-6-15'		↓	1233	↓	x400	0.41	164	x400	0.20	80

Geological Resources, Inc.

UVF Analytical Report

siteLAB UVF Trilogy

Project Name: Minit Shop
Project Number:
Project Manager: William Regenthal

Date Collected: n/a 1/26/22
Date Analysed: 1/28/2022
Operator: Ethan Rogerson / AJ Discepolo

GRO Calibration Verification	
Calibration Standard	Output
0.5	0.88
1	1.44
3	3.02
5	4.61
10	9.58
0 - Pre Samples	0.28
0 - Post Samples	0.07

DRO Calibration Verification	
Calibration Standard	Output
0.1	0.18
0.5	0.46
1	0.87
3	2.70
5	4.48
0 - Pre Samples	0.01
0 - Post Samples	0.01

Notes:

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

UNDERGROUND STORAGE TANK SECTION
September 8, 2021

CERTIFIED MAIL
7019 1120 0001 4908 1189

Mr. Graham Clinton
9502 Sutphin Blvd.
Jamaica, NY 11435

RE: Notice of No Further Action 15A NCAC 2L .0407
Risk Based Assessment and Corrective Action for
Petroleum Underground Storage Tank
People's Oil and Gas Company, Inc.
102 Railroad Street
Maxton, Robeson County, North Carolina
Incident Number: 29480
Risk Classification: Low

Dear Mr. Clinton:

The Division of Waste Management, Underground Storage Tank (UST) Section, Trust Fund Branch has received a site assessment report for the above referenced site. A review of the report shows that petroleum contaminated groundwater does remain at this site above the level of the standards or interim standards established in 15A NCAC 2L .0202, but there are no active water supply wells located within 1,000 feet of the source area and that the area is supplied with county water. The site assessment showed that soil contamination does not exceed the respective Residential Maximum Soil Contaminant Concentrations (MSCC) established in 15A NCAC 2L .0411.

Based on information provided to date, the UST Section finds it appropriate to classify the risk of the discharge or release as Low Risk. Furthermore, the UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later determines the discharge or release poses an unacceptable risk or potentially unacceptable risk to human health or the environment.

Due to the fact that groundwater does not meet "Unrestricted Use" standards, meaning that contamination remains above 2L groundwater standards, **a Notice of Residual Petroleum was placed on the Deed (Book 2284 Page 146) on May 10, 2021 (copy attached).** This notice simply states that groundwater is not to be used as a drinking water source nor are any wells be installed on the property until it can be shown that groundwater contamination has fallen below 2L groundwater standards at which time the deed notice may be removed by the department.

The Trust Fund Branch will provide a copy of this letter to the following persons: Local Health Director, Chief Administrative Officer, (i.-e. Mayor, Chairman of County Commissioners, County Manager, City Manager, or other official of equal or similar position) of each political jurisdiction in which the contamination occurs; and all property owners and occupants within or contiguous to the area where the contamination is expected to migrate.

Pursuant to 15A NCAC 2L .0409, you have a continuing obligation to notify the UST Section of any changes that you know of or should know of, that might affect the level of risk assigned to the discharge or release. Please be advised that all monitoring or injection wells used to investigate or remediate this incident were abandoned properly in accordance with 15A NCAC 2C .0113 and .0114, respectively by the State Lead Contractor.

Should you have any questions, please contact Hassan Osman at (919) 707-8167, or email at Hassan.osman@ncdenr.gov

Sincerely,

Wayne Randolph, CPM
Trust Fund Branch Head
DWM/UST Section

cc: Kellie Blue-Robeson County Manager; Email: kellie.blue@co.robeson.nc.us
William J. Smith-Robeson County Public Health Director; Email: William.smith@robeson.nc.gov
Roosevelt Henegan-Maxton Town Manager; Email: manager@ci.maxton.nc.us
First Presbyterian Church-PO. Box 1061, Lumberton, NC 28359

2725 E. Millbrook Road, Suite 121
Raleigh, NC 27604
Telephone 919-871-0999
www.atcgroupservices.com

March 23, 2021

Mr. Hassan Osman
North Carolina Department of Environmental Quality
Division of Waste Management – Underground Storage Tank Section
1646 Mail Service Center
Raleigh, North Carolina 27699

Subject: **Groundwater Monitoring Report**
People's Oil and Gas Company, Inc.
102 Railroad Street
Maxton, Robeson County, North Carolina
NCDEQ Incident No. 29480

Dear Mr. Osman:

ATC Associates of North Carolina, P.C. (ATC) is submitting the enclosed Groundwater Monitoring Report for the People's Oil & Gas Company, Inc. site. The report presents investigative procedures, field activities, and laboratory analytical results for a groundwater sampling event conducted in February 2021.

If you have any questions or require additional information, please contact our office at (919) 871-0999.

Sincerely,
ATC Associates of North Carolina, P.C.

Chris Hanley, P.G.
Project Scientist
Direct Line: 919-984-3553
Email: chris.hanley@atcgs.com

Ashley M. Winkelman, P.G.
Senior Project Manager
Direct Line: 919-573-1206
Email: ashley.winkelman@atcgs.com

Attachments:
1. Groundwater Monitoring Report

Prepared for:

North Carolina Department of Environmental Quality
Division of Waste Management – Underground Storage Tank Section
1646 Mail Service Center
Raleigh, North Carolina 27699

GROUNDWATER MONITORING REPORT
PEOPLE'S GAS AND OIL COMPANY, INC.
102 RAILROAD STREET
MAXTON, ROBESON COUNTY, NORTH CAROLINA

ATC Project No. SLC2948001

Prepared by:

ATC Associates of North Carolina, P.C.
2725 E. Millbrook Road, Suite 121
Raleigh, North Carolina 27604
Telephone 919-871-0999

Chris Hanley, P.G.
Project Scientist
Direct Line: 919-948-3553
Email: chris.hanley@atcgs.com

Ashley M. Winkelman, P.G
Senior Project Manager
Direct Line: 919-573-1206
Email: ashey.winkelman@atcgs.com

March 23, 2021

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Table 4 – Groundwater Analytical Data
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FIGURES:
Figure 1 – Site Topographic Map
Figure 2 – Site Map
Figure 3 – Receptor Survey Map
Figure 4 – Groundwater Elevation Contour Map
Figure 5 – Chemicals of Concern in Groundwater

APPENDICES:
Appendix A – Field Notes
Appendix B – Site Photographs
Appendix C – Laboratory Analytical Results

1.0 SITE IDENTIFICATION

1. Site Identification
Date of Report: 3/23/2021 **UST Number:** FA-3433
Facility I.D.: 00-0-00000018898 **UST Incident Number (if known):** 29480
Site Risk: High **Site Rank:** H270D **Land Use Category:** Commercial
Site Name: People's Gas and Oil Company, Inc.
Site Street Address: 102 Railroad Street
City/Town: Maxton **Zip Code:** 28364 **County:** Robeson
Description of Geographical Data Point: Monitoring Well MW-4
Location Method: Acme Mapper 2.2
Latitude (decimal degrees): 34.73810° N **Longitude (decimal degrees):** -79.34895° W

2. Information about Contacts Associated with the Leaking UST System
UST Owner: People's Oil and Gas
Address: 209 N Patterson St, Maxton, NC 28364 **Tel.:** 910-844-3124
UST Operator: People's Oil and Gas
Address: 209 N Patterson St, Maxton, NC 28364 **Tel.:** 910-844-3124
Property Owner: Joe Clerk, III
Address: 209 N Patterson St, Maxton, NC 28364 **Tel.:** 910-844-3124
Property Occupant: People's Oil and Gas
Address: 209 N Patterson St, Maxton, NC 28364 **Tel.:** 910-844-3124
Consultant/Contractor: ATC Associates of North Carolina, P.C.
Address: 2725 E. Millbrook Road, Suite 121, Raleigh, NC 27604 **Tel.:** (919) 871-0999
Analytical Laboratory: Pace Analytical **State Certification No.** ENV371
Address: 12065 Lebanon Rd, Mount Juliet, TN 37122 **Tel:** 615-758-5858

3. Information about Release
Date Discovered: November 2007
Estimated Quantity of Release: Unknown
Cause of Release: Unknown
Source of Release (Dispenser/Piping/UST): UST System
Sizes and contents of UST system(s) from which the release occurred:
Two 4,000-gallon diesel USTs and three 3,000-gallon gasoline USTs

Criteria Used to Classify Risk: Active potable water supply wells within 1,000 feet of the source area and monitoring wells with 2L exceedances

4. Information about the Monitoring Report
Date(s) of Groundwater Monitoring/Soil Sampling Event(s): 2/1/2021

5. Certification
I, Ashley M. Winkelman, a Professional Engineer/Licensed Geologist *(circle one)* for (list of Company of employment), do certify that the information contained in this report is correct and accurate to the best of my knowledge.
(Please Affix Seal and Signature)

amw 3/23/21

ATC Associates of North Carolina, P.C. (Name of company or corporation) is licensed to practice geology/engineering *(circle one or both)* in North Carolina. The certification numbers of the company or corporation are C-274 and C-1598.

2.0 EXECUTIVE SUMMARY

ATC Associates of North Carolina, P.C. (ATC) has completed a Groundwater Monitoring Report for the People's Oil and Gas Company, Inc. site. This report documents groundwater sampling activities conducted at the site in February 2021. The activities were performed based on a January 6, 2021, Task Authorization (TA-02) by the Trust Fund Branch of the Underground Storage Tank (UST) Section, Division of Waste Management, North Carolina Department of Environmental Quality (NCDEQ). The work is being performed as part of State Lead Contract #N122019A between NCDEQ and ATC.

The People's Oil and Gas Company, Inc. site is located at located at 102 Railroad Street in Maxton, Robeson County, North Carolina. Currently on-site is a two-story brick building occupied by People's Gas and Oil Company, a natural gas and tank retail facility. The former UST system consisted of two 4,000-gallon diesel USTs and three 3,000-gallon gasoline USTs that were removed from the site in November 2007. Seven Type II monitoring wells and one Type III monitoring well are associated with the site. Previous assessment activities have identified one Town water supply well within 1,000 feet of the site.

On February 1, 2021, ATC personnel conducted a sampling event at the site. Samples were collected from monitoring wells MW-1, MW-2, MW-4, MW-5, MW-6, and DW-1. Wells MW-3 and MW-7 could not be found during the sampling event. Benzene (87.4 micrograms per liter [µg/L]) and naphthalene (50.6 µg/L) were detected above Title 15A NCAC 02L .0202 Groundwater Quality Standards (2L Standards) in well DW-1. No compounds were detected above Gross Contaminant Levels (GCLs).

Groundwater concentrations at the site have been consistently decreasing since discovery of the release in November 2007. While groundwater impacts were identified above GCLs in 2008, impacts are now minimal and slightly above 2L Standard. Furthermore, the nearest receptor is the Town water supply well (WSW-1) located approximately 780 feet from the site and is 200 feet deep. ATC recommends performing a sampling event in August 2021 (semi-annual event) for all analytical methods associated with risk-based closure. After sampling, ATC recommends preparing a fate and transport model to determine if impacts at the site pose a risk to water supply well WSW-1.

3.0 SITE DESCRIPTION

3.1 SITE CHARACTERIZATION

The People's Gas and Oil Company, Inc. site is located at 102 Railroad Street in Maxton, Robeson County, North Carolina. Currently on-site is a two-story brick building occupied by People's Gas and Oil Company, a natural gas and tank retail facility. The former UST system consisted of two 4,000-gallon diesel USTs and three 3,000-gallon gasoline USTs that were removed from the site in November 2007. The USTs were installed in 1980 and 1981. Seven Type II monitoring wells and one Type III monitoring well are associated with the site.

Properties surrounding the site are used for residential and commercial purposes. A site topographic map is included as ***Figure 1***. Previous assessment activities have identified one water supply well operated by the Town of Maxton within 1,000 feet of the site. Municipal water is available to the site vicinity. Water supply well ownership information is included in ***Table 1.*** A site map depicting monitoring well locations and other pertinent site features is included as ***Figure 2***. A potential receptor map is included as ***Figure 3***.

3.2 SITE BACKGROUND

The site formerly operated two 4,000-gallon diesel USTs and three 3,000-gallon gasoline USTs. The diesel USTs were installed in 1980 and the gasoline USTs were installed in 1981. The USTs were removed from the site between November 14 and 30, 2007. During UST closure activities, 1,211.01 tons of soil were transported offsite. Tank closure samples indicated concentrations of Total Petroleum Hydrocarbon (TPH) Gasoline Range Organics (GRO) at levels above the NCDEQ Action Levels. Furthermore, over excavation samples identified concentrations exceeding Soil-to-Groundwater Maximum Soil Contaminant

Concentrations (MSCCs), but below Residential or Industrial/Commercial MSCCs. Type II monitoring well MW-1 was installed within the excavated area on January 30, 2008, and sampled in early February 2008. The groundwater data identified petroleum compounds at concentrations above 2L Standards and GCLs.

On November 20, 2008, Type II monitoring wells MW-2, MW-3, MW-4, and MW-5 were installed and sampled. The results of the sampling event identified compounds above 2L Standards. A receptor survey identified a Town water supply well within 150 feet of the site (note that this well no longer exists). The next sampling event at the site occurred on August 11, 2010, which continued to identify compounds above 2L Standards.

In December 2010 and January 2011, Type II monitoring wells MW-6 and MW-7 and Type III monitoring well DW-1 were installed and a soil assessment was performed. Groundwater samples were collected from the well network and water supply well WSW-1 (a Town well located approximately 780 feet from the site). It should be noted that the Town water supply well that was previously identified approximately 150 feet from the site was not identified on subsequent reports. Furthermore, the water tower on the east adjacent property is no longer there. Petroleum compounds were detected in the well network at concentrations above 2L Standards. Lead and methyl tert-butyl ether were detected in WSW-1 at concentrations below 2L Standards. Soil concentrations were detected above both Soil-to-Groundwater MSCCs and Residential MSCCs. A sampling event performed on July 5, 2012, continued to identify compounds above 2L Standards in the monitoring wells.

An updated receptor survey was performed in January 2021. Based on the results of the updated receptor survey, the site is classified as "High" risk as there was one Town water supply well (WSW-1) identified within 1,000 feet of the site.

3.3 Site and Regional Geology

According to the 1985 USGS Geologic Map of North Carolina, the site is in a transition zone between the Black Creek Formation and Middendorf Formation of the Coastal Plain Physiographic Province. The Black Creek Formation is characterized as gray to black, lignitic clay that contains thin beds and laminae of fine-grained micaceous sand and thick lenses of cross-bedded sand. The Middendorf Formation is characterized as gray to pale gray with an orange cast, mottled sand, sandstone, and mudstone with common occurrences of clay balls and iron-cemented concretions, beds laterally discontinuous, and cross-bedding.

According to the United States Department of Agriculture Web Soil Survey, the site lies within the Norfolk loamy sand, 0 to 2 percent slopes complex. The complex is described as well drained, has a moderate water capacity, and originates from loamy marine deposits. Lithology at the site during previous assessment activities is described as brown to gray sandy clay to clayey sand.

3.4 Site and Regional Hydrogeology

Aquifers in the Coastal Plain are regional in extent, consisting of porous sand and limestone aquifers. The Coastal Plain sediments have been divided by Winner and Coble (1996) into 10 aquifers separated by confining units. The shallow unconfined aquifer present in most areas is called the surficial aquifer. The confined aquifers include the Peedee, Black Creek, Upper Cape Fear, Lower Cape Fear, Castle Hayne, Beaufort, Pungo River, and Yorktown aquifers.

Aquifers in the Coastal Plain province occur in gently dipping layers of sediments and sedimentary rock. These aquifers outcrop at land surface in some updip areas, and are buried much deeper in downdip areas (generally to the east and southeast). In general, depth to groundwater in shallow unconfined aquifers follows topography, being shallower near streams and deeper on hilltops. However, in the deeper confined aquifers, such as the Black Creek and Upper Cape Fear aquifers, the water level (potentiometric head) is under pressure, and is affected by both local and regional pumping.

Seven Type II monitoring wells and one Type III monitoring well are located at the site. Historical depth to water measurements recorded from the Type II monitoring well network have ranged between 3.58 feet below ground surface (bgs) to 8.76 feet bgs. Historical depth to water measurements recorded from the Type III monitoring well have ranged between 13.00 feet bgs to 15.40 feet bgs. Based on the February 2021 event, the hydraulic gradient across the site is 0.008 feet/foot using wells MW-5 and MW-6, and the local groundwater flows east. The data collected from wells MW-1 and DW-1 during the February 2021 event indicated a downward vertical gradient of 0.3005 feet/foot. Hydraulic conductivity has not been measured at the site. The boring log from one of the Town water supply wells, provided by the Town of Maxton during November 2008 receptor survey, identified an eight-foot clay layer approximately 50 feet bgs that may act as an aquitard for the subsurface aquifer.

4.0 GROUNDWATER ASSESSMENT ACTIVITIES

4.1 GROUNDWATER LEVELS

On February 1, 2021, groundwater level measurements were collected from monitoring wells MW-1, MW-2, MW-4, MW-5, MW-6, and DW-1. Wells MW-3 and MW-7 could not be located during the sampling event. Depth to groundwater measurements ranged from 3.58 feet bgs in MW-1 to 13.00 feet bgs in DW-1. Light non-aqueous phase liquid was not identified during gauging activities. Monitoring well construction details and groundwater elevation data are summarized in ***Table 2***. Field parameter data, including temperature, dissolved oxygen, conductivity, pH, and oxygen reduction potential, were recorded during the sampling event and are included in ***Table 3***. A groundwater elevation contour map generated using the February 1, 2021 groundwater elevation data is included as ***Figure 4***. This figure indicates that the direction of groundwater flow at the site is to the east. Field notes from the sampling event are included in ***Appendix A***. Photographs of the monitoring well locations are included in ***Appendix B***.

4.2 GROUNDWATER QUALITY

On February 1, 2021, groundwater samples were collected from monitoring wells MW-1, MW-2, MW-4, MW-5, MW-6, and DW-1. Samples were collected in laboratory-approved containers, packed in ice and delivered under chain of custody protocol to Pace Analytical in Mt. Juliet, Tennessee for analyses. Groundwater samples were analyzed for volatile organic compounds (VOCs) by Method 6200B.

Benzene (87.4 µg/L) and naphthalene (50.6 µg/L) were detected above 2L Standards in well DW-1. No compounds were detected above 2L Standard in the Type II well network. Current groundwater analytical data is summarized in ***Table 4***. Historical groundwater analytical data is summarized in ***Table 5***.

A comparison of the analytical results from the current sampling event (February 2021) to the previous sampling event (July 2012) indicate a significant decrease in petroleum concentrations in the Type II well network and notable decreases in the Type III monitoring well. A chemicals of concern in groundwater map depicting groundwater concentrations exceeding the 2L Standard is included as ***Figure 5***. The laboratory analytical report and chain-of-custody forms are included in ***Appendix C***.

As part of ATC's quality assurance and quality control (QA and QC) measures, a data review of the laboratory report was conducted. During the review, it was concluded that samples were received by the laboratory in acceptable condition and properly preserved. Samples were analyzed within the correct holding times, and the chain of custody was properly completed by all parties. The laboratory QC report shows an internal blank was analyzed for each method that was used for the original samples. The laboratory fortified blank (LFB) and laboratory control sample (LCS) data results were also provided for each analytical method. Refer to the laboratory report in ***Appendix C*** for details regarding QA results for the laboratory samples and any noted exceptions. Overall, ATC concludes that the laboratory results are usable and any exceptions do not significantly impact the conclusions presented in this report.

5.0 CONCLUSIONS AND RECOMMENDATIONS

On behalf of the Trust Fund Branch of the UST Section, ATC completed a Groundwater Monitoring Report documenting the February 2021 groundwater sampling activities at the People's Oil & Gas Company, Inc. site located at 102 Railroad Street in Maxton, Robeson County, North Carolina. Samples were collected from monitoring wells MW-1, MW-2, MW-4, MW-5, MW-6, and DW-1. Benzene (87.4 µg/L) and naphthalene (50.6 µg/L) were detected above 2L Standards in well DW-1. No compounds were detected above GCLs.

Groundwater concentrations at the site have been consistently decreasing since discovery of the release in November 2007. While groundwater impacts were identified above GCLs in 2008, impacts are now minimal and slightly above 2L Standard. Furthermore, the nearest receptor is the Town water supply well (WSW-1) located approximately 780 feet from the site and is 200 feet deep. ATC recommends performing a sampling event in August 2021 (semi-annual event) for all analytical methods associated with risk-based closure. After sampling, ATC recommends preparing a fate and transport model to determine if impacts at the site pose a risk to water supply well WSW-1.

TABLES

TABLE 1
WATER SUPPLY WELL INFORMATION

PEOPLE'S GAS & OIL COMPANY, INC.
102 RAILROAD STREET
MAXTON, ROBESON COUNTY, NORTH CAROLINA
INCIDENT #29480

Water Supply Well	Property Owner(s)	Property Address	Distance from Source (feet)	Connected to Municipal Water	Depth of Well (feet)	Screen Depths (feet)
WSW-1	Town of Maxton PO Box 99 Maxton, NC 28364	Corner of Water Street and Elm Street (Unaddressed) (PIN 839640429300)	780	Not Applicable/ Town Well	200	110, 130, and 151

Notes:

1. Only wells located within 1,000 feet of the site are included in this table.
2. The Town only gave screen depths, not screen intervals.

TABLE 2
WELL CONSTRUCTION DETAILS AND GROUNDWATER ELEVATION DATA

PEOPLE'S GAS OIL COMPANY, INC.
209 N. PATTERSON STREET
MAXTON, ROBERSON COUNTY, NORTH CAROLINA
INCIDENT #29480

Monitoring Well	Date Installed	Well Casing Depth (Ft.)	Screened interval (Ft. BGS)	Depth of Well (BGS)	Top of Casing Elevation (Ft.)	Date Measured	Depth to Groundwater (feet)	Groundwater Elevation (feet)
MW-1	1/30/2008	3	3-13	13	100.00	2/6/2008	6.54	93.46
						11/20/2008	6.62	93.38
						8/11/2010	7.03	92.97
						12/9/2010	7.75	92.25
						7/5/2012	8.11	91.89
						2/1/2021	3.58	96.42
MW-2	11/20/2008	3	3-13	13	100.90	11/20/2008	7.62	93.28
						8/11/2010	7.94	92.96
						12/9/2010	8.50	92.40
						7/5/2012	8.76	92.14
						2/1/2021	4.90	96.00
MW-3	11/20/2008	3	3-13	13	100.37	11/20/2008	7.04	93.33
						8/11/2010	7.54	92.83
						12/9/2010	8.10	92.27
						7/5/2012	8.51	91.86
						2/1/2021	Could Not Locate	
MW-4	11/20/2008	3.5	3.5-13.5	13.5	100.52	11/20/2008	7.15	93.37
						8/11/2010	7.52	93.00
						12/9/2010	8.16	92.36
						7/5/2012	8.43	92.09
						2/1/2021	4.12	96.40
MW-5	11/20/2008	3	3-13	13	100.53	11/20/2008	7.03	93.50
						8/11/2010	7.52	93.01
						12/9/2010	8.10	92.43
						7/5/2012	8.53	92.00
						2/1/2021	3.64	96.89
MW-6	12/7/2010	3	3-13	13	99.84	12/6/2010	7.82	92.02
						6/25/2012	8.15	91.69
						2/1/2021	4.33	95.51
MW-7	12/7/2010	3	3-13	13	99.69	12/6/2010	8.06	91.63
						6/25/2012	8.49	91.20
						2/1/2021	Could Not Locate	
DW-1	12/7/2010	35	35-40	40	99.72	2/18/2010	15.40	84.32
						6/25/2012	14.83	84.89
						2/1/2021	13.00	86.72

Notes:
MW-1 set as benchmarck with an assumed elevation of 100.00 ft. from Top of Casing.

TABLE 3
NATURAL ATTENUATION PARAMETERS

PEOPLE'S GAS OIL COMPANY, INC.
209 N. PATTERSON STREET
MAXTON, ROBERSON COUNTY, NORTH CAROLINA
INCIDENT #29480

WELL I.D.	Date Sampled	Temperature (°C)	Dissolved Oxygen (mg/L)	Conductivity (µS/cm)	pH (SU)	Oxygen Reduction Potential (mV)
MW-1	12/9/2010	18.7	2.7	65	6.13	-176
	2/1/2021	13.6	4.62	41.0	5.54	40.7
MW-2	12/9/2010	19.6	2.9	214	5.78	-186
	2/1/2021	14.9	6.82	351.9	5.98	173.4
MW-3	12/9/2010	19.0	3.4	83	6.1	-187
	2/1/2021	Could Not Locate				
MW-4	12/9/2010	19.1	2.9	60	5.93	-182
	2/1/2021	14.8	4.33	89.9	5.47	150.5
MW-5	12/9/2010	19.4	8.3	226	6.29	-214
	2/1/2021	14.2	2.87	395.6	6.45	29.6
MW-6	12/9/2010	19.1	4.2	70	6.15	-192
	2/1/2021	13.5	7.63	276.7	6.54	147.3
MW-7	12/9/2010	17.4	2.5	59	6.01	-205
	2/1/2021	Could Not Locate				
DW-1	12/9/2010	19.2	2.5	82	5.91	-213
	2/1/2021	15.3	1.19	113.7	5.13	53.8

Notes:
1. mg/L = Milligrams per Liter
2. °C = Degrees Celcius
3. µS/cm = MicroSiemens per Centimeter
4. mV = Millivolts
5. SU = Standard Units

TABLE 4
GROUNDWATER ANALYTICAL DATA

PEOPLE'S GAS OIL COMPANY, INC.
209 N. PATTERSON STREET
MAXTON, ROBERSON COUNTY, NORTH CAROLINA
INCIDENT #29480

Monitoring Well	Date	Method 6200B														
		Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	p-Isopropyltoluene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	4-Methyl-2-pentanone	Acetone
MW-1	2/1/2021	<1.0	1.77	4.07	8.48	<1.0	<1.0	0.310J	0.465J	<1.0	<5.0	0.815J	2.21	0.407J	<10.0	<50.0
MW-2	2/1/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<10.0	<50.0
MW-3	2/1/2021	Not Sampled/Could Not Locate														
MW-4	2/1/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<10.0	14.2J
MW-5	2/1/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<10.0	<50.0
MW-6	2/1/2021	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<10.0	<50.0
MW-7	2/1/2021	Not Sampled/Could Not Locate														
DW-1	2/1/2021	**87.4**	29.6	334	175.1	3.56	2.68	3.54	15.0	0.448J	**50.6**	34.3	54.6	5.84	0.634J	<50.0
2L GW Standard		**1**	**600**	**600**	**500**	**20**	**70**	**70**	**70**	**25**	**6**	**70**	**400**	**400**	**100**	**6,000**
GCL		**5,000**	**260,000**	**80,000**	**50,000**	**20,000**	**5,900**	**8,800**	**30,500**	**11,700**	**6,000**	**26,100**	**28,500**	**24,100**	**100,000**	**6,000,000**

Notes:
1. "<" = Not Detected at or above the laboratory reporting limit
2. Concentrations are reported in micrograms per liter (ug/l) = parts per billion (ppb)
3. Concentrations in bold print equal or exceed the NCDEQ 15A 2L NCAC Groundwater Standard (2L Standard)
4. GCL = Gross Contamination Level
5. MTBE = Methyl Tertiary Butyl Ether
6. **BOLD** = Concentrations exceed 2L Standards
7. J = Value is above the method detection limit but below the reporting limit and is considered an estimation.

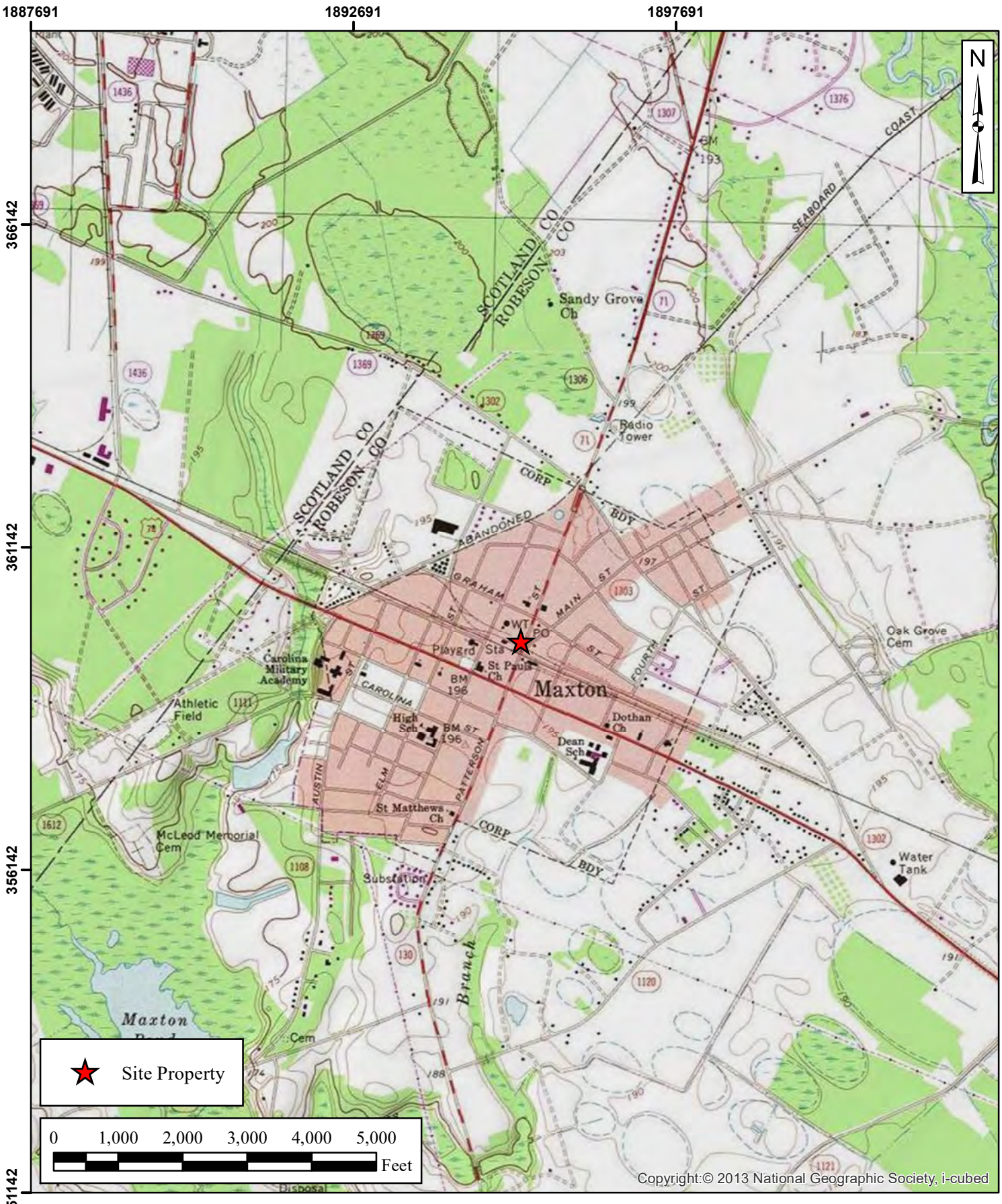
TABLE 5
HISTORICAL GROUNDWATER ANALYTICAL DATA

PEOPLE'S GAS OIL COMPANY, INC.
209 N. PATTERSON STREET
MAXTON, ROBERSON COUNTY, NORTH CAROLINA
INCIDENT #29480

Well ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes (Total)	MTBE	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	n-Butylbenzene	Dibromochloromethane	1,2-Dichloroethane	1,2-Dichloropropane	1,1,2-Trichloroethane	Lead(3030c)	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics	Bis(2-Ethylhexyl) Phthalate
MW-1	2/6/2008	**15,000**	**61,000**	**34,700**	**24,000**	ND	**280**	**440**	**2,400**	**790**	ND	--	--	--	ND	--	--	--	--	--	ND
	11/20/2008	**3,160**	**34,700**	**2,620**	**10,710**	ND	**500**	**321**	**2,300**	**712**	ND	--	--	--	ND	--	--	--	--	--	ND
	8/11/2010	**930**	**9,900**	**1,500**	**5,900**	ND	**200**	**150**	**1,100**	280	ND	--	--	--	ND	8.2	ND	**14,250**	150	**2,360**	ND
	12/9/2010	**3,700**	**26,000**	**2,400**	**11,200**	ND	**240**	**190**	**1,500**	**480**	ND	--	--	--	ND	ND	**1,700**	**6,200**	210	**5,330**	ND
	7/5/2012	**4,200**	**28,000**	**2,500**	**10,900**	**160**	**380B**	**180**	**1,500**	**420**	ND	--	--	--	ND	6.3BJ	--	--	--	--	ND
	2/1/2021	<1.00	1.77	4.07	8.48	<1.00	<5.00	0.815J	2.21	0.407J	<1.00	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--
MW-2	11/20/2008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	ND	--	--	--	--	--	ND
	8/11/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	ND	6.3	ND	ND	ND	ND	ND
	12/9/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	ND	ND	ND	ND	ND	ND	ND
	7/5/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	ND	ND	--	--	--	--	ND
	2/1/2021	<1.00	<1.00	<1.00	<2.00	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--
MW-3	11/20/2008	**99.4**	**9,340**	**3,210**	**13,880**	ND	**953**	**438**	**3,640**	**1,030**	ND	--	--	--	ND	--	--	--	--	--	ND
	8/11/2010	**4.8**	66	440	**890**	ND	**120**	**84**	**710**	65	ND	--	--	--	ND	8.4	ND	**10,300**	610	**2,250**	**25**
	12/9/2010	**12**	**1,100**	**1,300**	**4,300**	ND	**230**	**190**	**1,600**	**450**	ND	--	--	--	ND	ND	**490J**	**5,200**	140	**4,730**	ND
	7/5/2012	**7.6J**	500	**1,300**	**4,100**	6.3J	**270B**	**170**	**1,600**	330	36	--	--	--	ND	9.6BJ	--	--	--	--	ND
	2/1/2021	Not Sampled/Could Not Locate																			
MW-4	11/20/2008	**125**	**739**	**1,150**	**3,760**	ND	**719**	**355**	**1,730**	**779**	ND	--	--	--	ND	--	--	--	--	--	ND
	8/11/2010	**18**	32	410	**710**	ND	**110**	52	330	52	ND	--	--	--	ND	6.7	ND	**4,070**	130	**870**	ND
	12/9/2010	**18**	9.4	240	143	0.19J	**67**	36	64	16	ND	--	--	--	ND	ND	260	450	ND	**760**	ND
	7/5/2012	**16**	14	340	330	ND	**110**	54	150	39	5.5	--	--	--	**1.8**	3.4BJ	--	--	--	--	ND
	2/1/2021	<1.00	<1.00	<1.00	<2.00	<1.00	<5.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--
MW-5	12/9/2010	ND	0.63	9.5	10	ND	3.4	15	56	10	ND	ND	ND	ND	ND	--	ND	58J	120	ND	110	ND
	8/11/2010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	**6.0**
	11/20/2021	ND	18.7	182	358.3	ND	**67.8**	**227**	**981**	186	ND	ND	ND	ND	ND	--	--	--	--	--	--	ND
	7/5/2012	ND	0.64	3.2	1.5	ND	0.68BJ	12	16	2.9	2.8	ND	ND	ND	ND	**1.7**	--	--	--	--	--	--
	2/1/2021	<1.00	<1.00	<1.00	<2.00	<1.00	<5.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--
MW-6	12/9/2010	0.65	160	89	460	ND	**12**	--	160	53	ND	**1.9**	ND	ND	ND	--	ND	21J	460	ND	**620**	ND
	7/5/2012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--
	2/1/2021	<1.00	<1.00	<1.00	<2.00	<1.00	<5.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--	--
MW-7	12/9/2010	**30**	**1,500**	**800**	**3,600**	ND	**230**	**300**	**2,400**	**750**	**75**	ND	**2.4J**	ND	--	3.8J	ND	**7,500**	ND	**8,350**	ND
	7/5/2012	ND	ND	6.8	19.5	ND	5.8B	18	100	22	6.4	ND	ND	ND	ND	--	--	--	--	--	--
	2/1/2021	Not Sampled/Could Not Locate																			
DW-1	12/9/2010	**100**	0.81	0.35J	1.96	**56**	**16**	0.28J	0.66	0.21J	0.7	ND	ND	**0.64**	--	ND	64J	72J	ND	ND	ND
	7/5/2012	ND	ND	ND	0.17J	**54**	4.5B	ND	0.23J	ND	0.3J	ND	ND	ND	ND	--	--	--	--	--	--
	2/1/2021	**87.4**	29.6	334	175.1	3.56	**50.6**	34.3	54.6	5.84	2.68	<1.00	<1.00	<1.00	<1.00	--	--	--	--	--	--
2L Standard (µg/L)		**1**	**600**	**600**	**500**	**20**	**6**	**70**	**400**	**400**	**70**	**0.4**	**0.4**	**0.6**	**0.6**	**15**	**400**	**700**	**10,000**	**200**	**3**
GCL (µg/L)		**5000**	**260,000**	**80,000**	**50,000**	**20,000**	**6,000**	**26,100**	**28,500**	**24,100**	**5,900**	**400**	**400**	**600**	**600**	**15000**	**NE**	**NE**	**NE**	**NE**	**135**

Notes:
1. "ND" = Not Detected at or above the laboratory reporting limit.
2. "--" = Not Analyzed
3. Concentrations are reported in micrograms per liter (ug/l) = parts per billion (ppb).
4. Concentrations in bold print equal or exceed the NCDEQ 15A 2L NCAC Groundwater Standard (2L Standard).
5. GCL = Gross Contamination Level.
6. J = Estimated value below method reporting limit
7. **BOLD** = Concentrations exceed 2L Standards
8. B = Compound was detected in corresponding blank

FIGURES

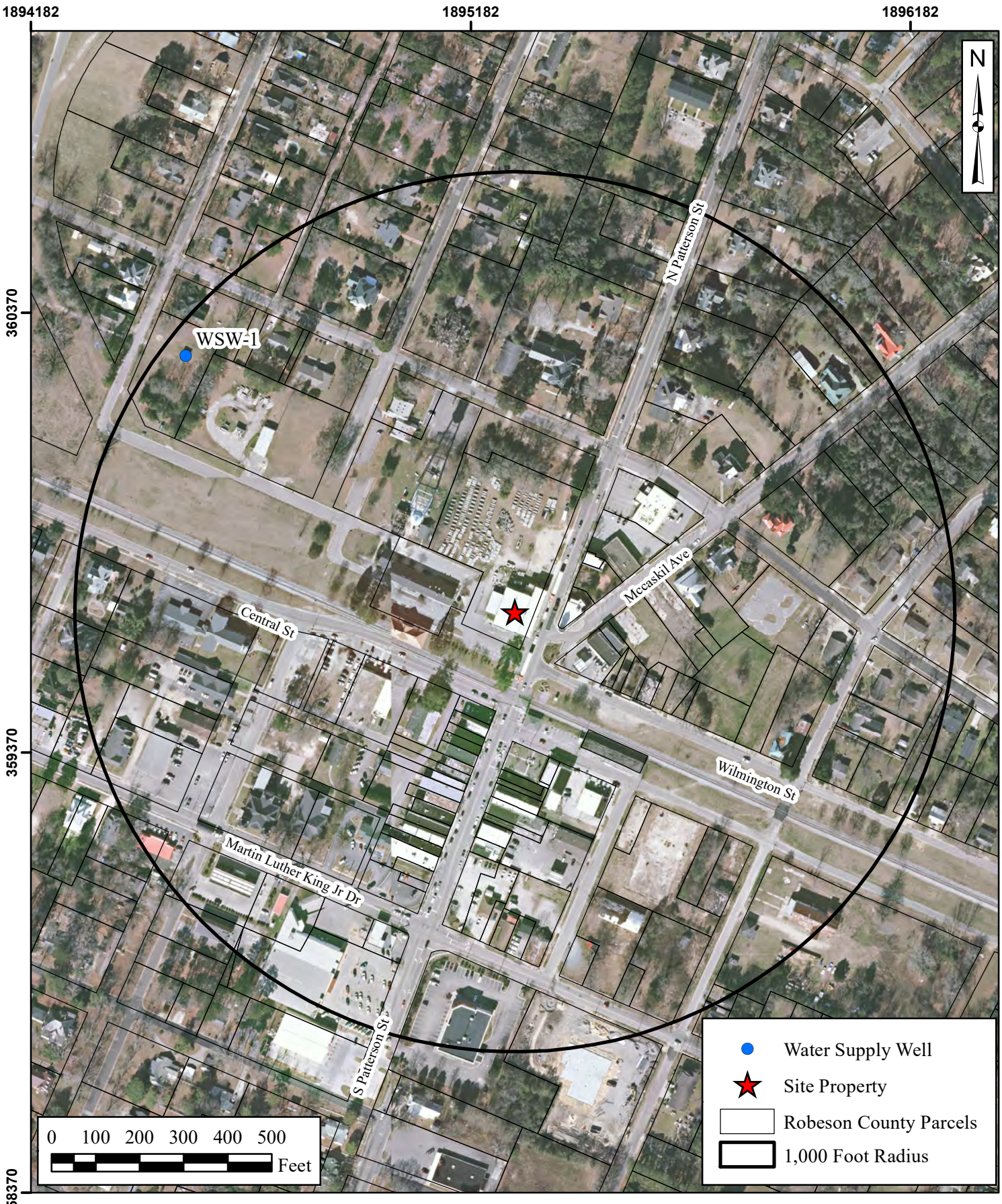


2725 E Millbrook Road, Suite 121 Raleigh, NC 27604 (919) 871-0999		**FIGURE 1: SITE TOPOGRAPHIC MAP** People's Gas & Oil Company - Incident #29480 102 Railroad Street Maxton, Robeson County, North Carolina
1 inch = 2,000 feet	Date: 12/1/2020	Reviewed By: CN

Document Path: S:\GIS_GPS\Project_Folders\PEOPLE'S GAS & OIL\2020.11.30\Figure 1- USGS Topographic Map.mxd
Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US

H:\2021\OTHER OFFICES\NORTH CAROLINA\NCDEQ-STATE LEAD\PEOPLE'S GAS & OIL\SLC2948002-SITE.DWG, FIG2

Figure: 2	Date: 02/24/2021	SITE MAP PEOPLE'S OIL AND GAS COMPANY, INC. - Incident #29480 102 RAILROAD STREET MAXTON, ROBESON COUNTY, NORTH CAROLINA	NOTES: 1. Features shown are not an authoritative location, nor are they presented to a stated accuracy. COORDINATE SYSTEM: NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET
Scale: AS SHOWN			Project Number: SLC2948002 Drawing File: SEE LOWER LEFT ATC
			Drn. By: DH Ckd. By: AW App'd By: Ckd. Date:



2725 E Millbrook Road, Suite 121
Raleigh, NC 27604
(919) 871-0999

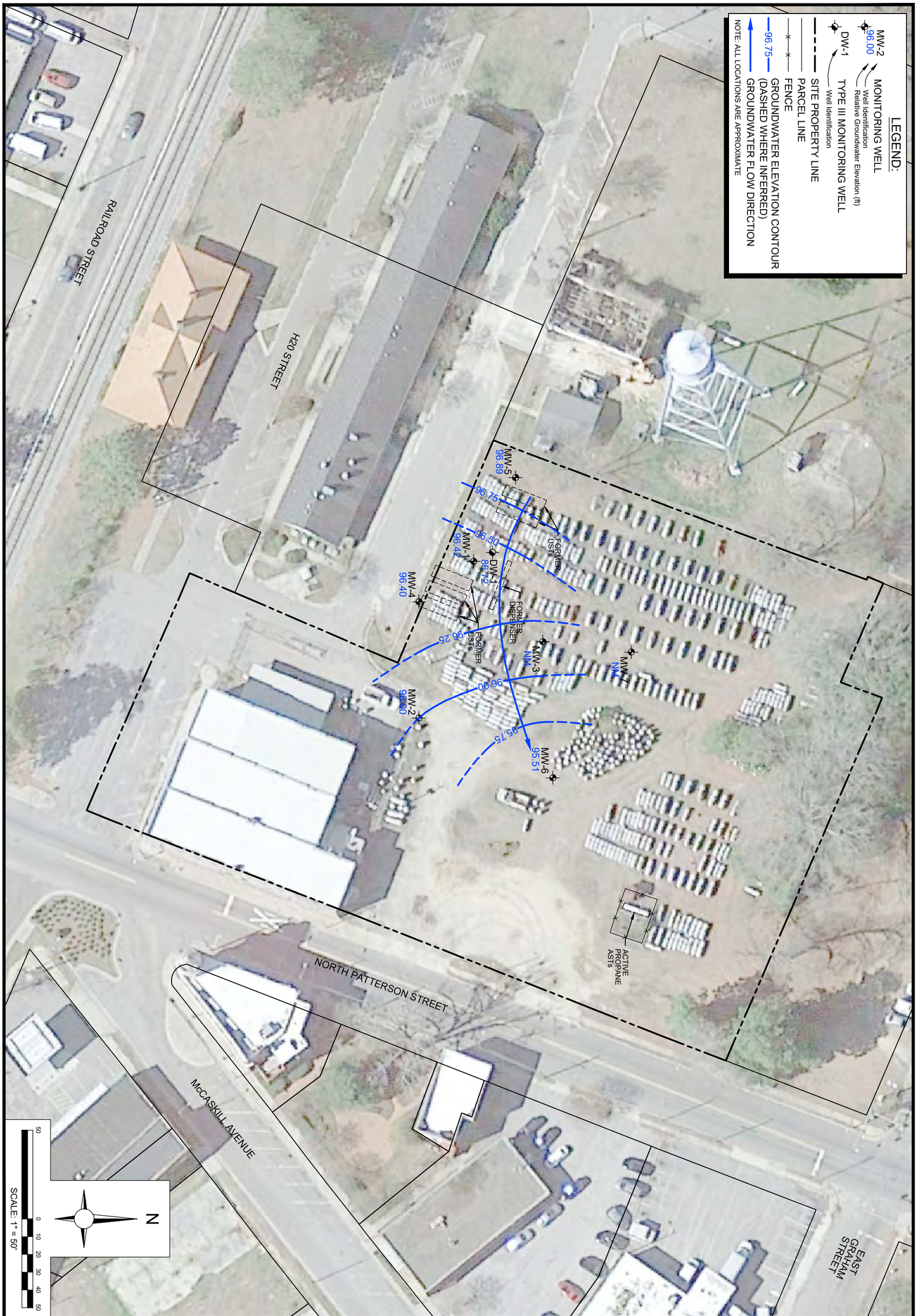
1 inch = 293 feet	Date: 12/1/2020	Reviewed By: CN

FIGURE 3: RECEPTOR SURVEY MAP

People's Gas & Oil Company - Incident #29480
102 Railroad Street
Maxton, Robeson County, North Carolina

Document Path: S:\GIS_GPS\Project_Folders\PEOPLE'S GAS & OIL\2020.11.30\Figure 2- Receptor Survey Map.mxd
Coordinate System: NAD 1983 2011 StatePlane North Carolina FIPS 3200 Ft US

H:\2021\OTHER OFFICES\NORTH CAROLINA\NCDEQ-STATE LEAD\PEOPLE'S GAS & OIL\SLC2948002-POT.DWG, FIG4



GROUNDWATER ELEVATION CONTOUR MAP

PEOPLE'S OIL AND GAS COMPANY, INC. - Incident #29480
102 RAILROAD STREET
MAXTON, ROBESON COUNTY, NORTH CAROLINA

Figure: 4
Scale: AS SHOWN
Date: 02/24/2021

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.
2. Groundwater elevations measured 02/01/2021.
3. Deep well DW-1 not used to construct contours.

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

Project Number: SLC2948002	Drn. By: DH
Drawing File: SEE LOWER LEFT	Ckd. By: AW
	App'd By:
	Ckd. Date:

ATC

LEGEND:

- MW-1 — MONITORING WELL — Well Identification
- DW-1 — TYPE III MONITORING WELL — Well Identification
- SITE PROPERTY LINE
- PARCEL LINE
- FENCE

NOTE: ALL LOCATIONS ARE APPROXIMATE

MW-3	
Sample Date	2/1/2021
Not Sampled/ Could Not Locate	

MW-7	
Sample Date	2/1/2021
Not Sampled/ Could Not Locate	

MW-6	
Sample Date	2/1/2021
No Compounds Detected	

MW-2	
Sample Date	2/1/2021
No Compounds Detected	

MW-5	
Sample Date	2/1/2021
No Compounds Detected	

DW-1	
Sample Date	2/1/2021
Benzene	**87.4**
Naphthalene	**50.6**

MW-1	
Sample Date	2/1/2021
No Compounds Detected Above 2L Standard	

MW-4	
Sample Date	2/1/2021
No Compounds Detected	

MW-7, MW-3, MW-6, MW-5, DW-1, MW-1, MW-4, MW-2

FORMER USTs

FORMER DISPENSER

FORMER USTs

ACTIVE PROPANE ASTs

EAST GRAHAM STREET

NORTH PATTERSON STREET

McCASKILL AVENUE

H20 STREET

RAILROAD STREET

N

50 0 10 20 30 40 50

SCALE: 1" = 50'

NOTES:
1. Features shown are not an authoritative location, nor are they presented to a stated accuracy.
2. Only compounds exceeding 2L Standard are shown on figure.
3. Groundwater is measured in micrograms per liter (µg/L).

COORDINATE SYSTEM:
NAD 1983 NORTH CAROLINA STATE PLANE FIPS 3200, US SURVEY FEET

Drn. By: DH
Ckd. By: AW
App'd By:
Ckd. Date:

Project Number: SLC2948002
Drawing File: SEE LOWER LEFT

ATC

CHEMICALS OF CONCERN IN GROUNDWATER

PEOPLE'S OIL AND GAS COMPANY, INC.- Incident #29480
102 RAILROAD STREET
MAXTON, ROBESON COUNTY, NORTH CAROLINA

Date: 02/24/2021
Scale: AS SHOWN
Figure: 5

H:\2021\OTHER OFFICES\NORTH CAROLINA\NCDEQ-STATE LEAD\PEOPLE'S GAS & OIL\SLC2948002-COC.DWG, FIG5

APPENDIX A

FIELD NOTES

People's Gas & Oil 2-1-21

Cloudy 30's

0940 ATC rep TJ O/S to sample MW's. Reviewed HASP Cal start YSI.

	DTW	DTB	Purge	Time	Temp °C	mg/L D.O.	us/cm Cond	PH	Orp
MW 1	3.58	13	4.5	1435	13.6	4.62	41.0	5.54	40.7
2	4.90	13	4	1015	14.9	6.82	351.9	5.98	173.4
3	—	13	Could not locate						
4	4.12	13.5	5	1130	14.8	[illegible]433	89.9	5.47	150.5
5	3.64	13	4.5	1345	14.2	2.87	345.6	6.45	29.6
6	4.33	13	4.5	1055	13.5	7.63	276.7	6.54	147.3
7	—	13	Could not locate						
DW1	13.00	40	13.5	1250	15.3	1.19	113.7	5.13	53.8

Took site and well location Photos, Emailed to PM.

MW4 - Destroyed plug while removing - needs plug and TOC cut down to accomodate it

MW3 & 7 are in an overgrown area. mdg locator, could not find. Scarched w/ push rod, and

Had to locate MW1, DW1, MW5, & MW6 w/ metal Detector.

Secured site 1510

Taylor

APPENDIX B

SITE PHOTOGRAPHS

Site Photographs

People's Oil and Gas Company, Inc.
Incident #29480
102 Railroad Street
Maxton, North Carolina

Photo 1: Site Property, Facing Southeast

Photo 2: Site Property, Facing West

Site Photographs

People's Oil and Gas Company, Inc.
Incident #29480
102 Railroad Street
Maxton, North Carolina

Photo 3: MW-1

Photo 4: MW-2

Site Photographs

People's Oil and Gas Company, Inc.
Incident #29480
102 Railroad Street
Maxton, North Carolina

Photo 5: MW-4

Photo 6: MW-5

Site Photographs

People's Oil and Gas Company, Inc.
Incident #29480
102 Railroad Street
Maxton, North Carolina

Photo 7: MW-6

APPENDIX C

LABORATORY ANALYTICAL RESULTS

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

February 11, 2021

ATC Group Services LLC

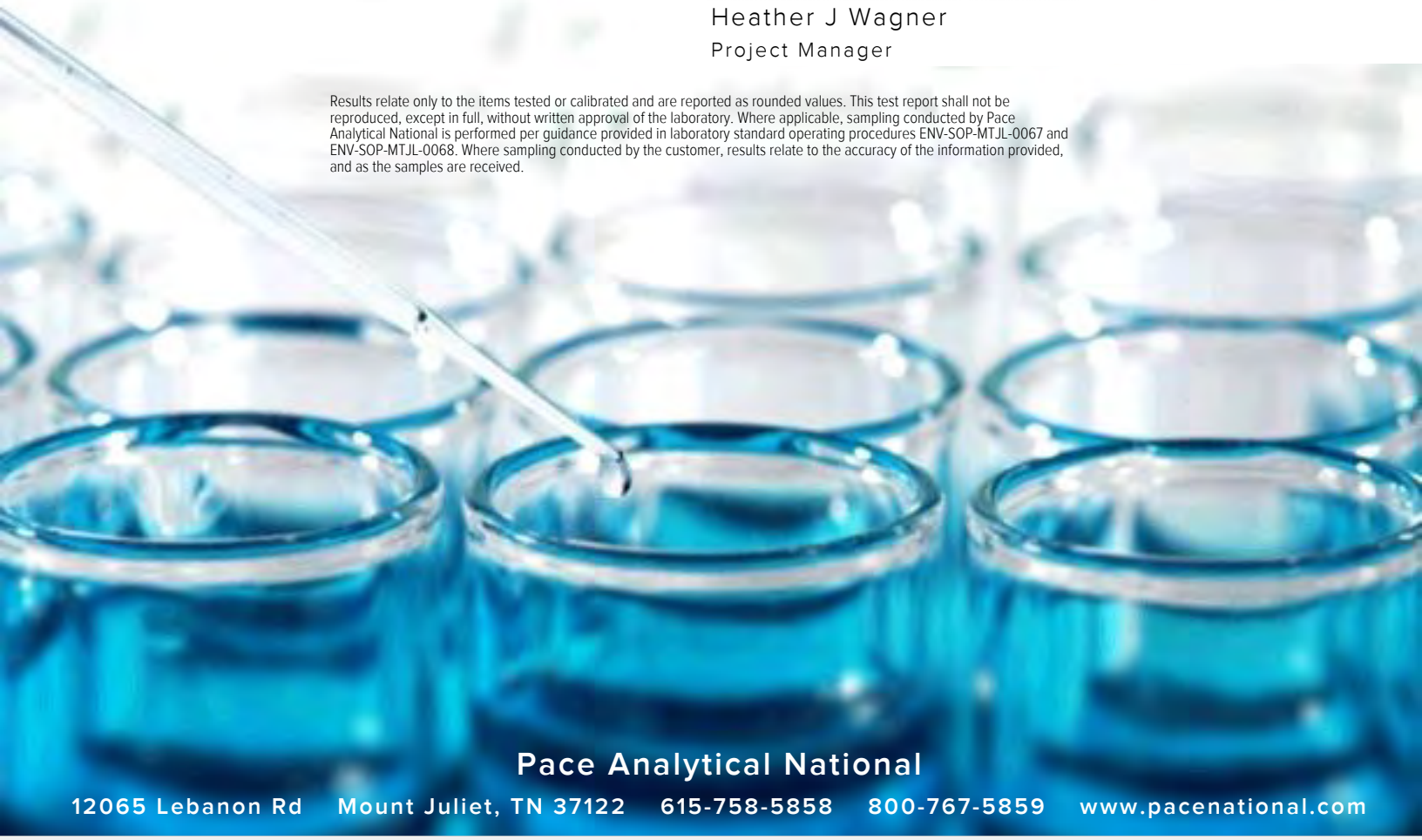
Sample Delivery Group:	L1313870
Samples Received:	02/04/2021
Project Number:	
Description:	People's Oil

Report To: Ashley Winkelman
2725 E. Millbrook Road, Ste 121
Raleigh, NC 27604

Entire Report Reviewed By:

Heather J Wagner
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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MW-1 L1313870-01 GW

Collected by: Troy Johnston | Collected date/time: 02/01/21 14:35 | Received date/time: 02/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 6200B-2011	WG1616772	1	02/05/21 02:36	02/05/21 02:36	ADM	Mt. Juliet, TN

MW-2 L1313870-02 GW

Collected by: Troy Johnston | Collected date/time: 02/01/21 10:15 | Received date/time: 02/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 6200B-2011	WG1618987	1	02/09/21 22:47	02/09/21 22:47	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 6200B-2011	WG1619584	1	02/11/21 12:04	02/11/21 12:04	JHH	Mt. Juliet, TN

MW-4 L1313870-03 GW

Collected by: Troy Johnston | Collected date/time: 02/01/21 11:30 | Received date/time: 02/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 6200B-2011	WG1616772	1	02/05/21 02:56	02/05/21 02:56	ADM	Mt. Juliet, TN

MW-5 L1313870-04 GW

Collected by: Troy Johnston | Collected date/time: 02/01/21 13:45 | Received date/time: 02/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 6200B-2011	WG1616772	1	02/05/21 03:16	02/05/21 03:16	ADM	Mt. Juliet, TN

MW-6 L1313870-05 GW

Collected by: Troy Johnston | Collected date/time: 02/01/21 10:55 | Received date/time: 02/04/21 09:00

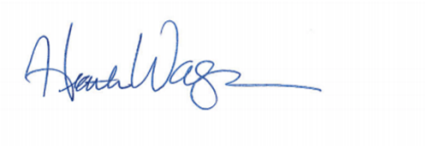
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 6200B-2011	WG1616772	1	02/05/21 03:37	02/05/21 03:37	ADM	Mt. Juliet, TN

DW-1 L1313870-06 GW

Collected by: Troy Johnston | Collected date/time: 02/01/21 12:50 | Received date/time: 02/04/21 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 6200B-2011	WG1616772	1	02/05/21 05:59	02/05/21 05:59	ADM	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 6200B-2011	WG1617481	5	02/06/21 18:27	02/06/21 18:27	ADM	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Heather J Wagner
Project Manager

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

Lab Sample ID	Project Sample ID	Method
L1313870-02	MW-2	6200B-2011

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	02/05/2021 02:36	WG1616772
Acrolein	U		2.54	50.0	1	02/05/2021 02:36	WG1616772
Acrylonitrile	U		0.671	10.0	1	02/05/2021 02:36	WG1616772
Benzene	U		0.0941	1.00	1	02/05/2021 02:36	WG1616772
Bromobenzene	U		0.118	1.00	1	02/05/2021 02:36	WG1616772
Bromodichloromethane	U		0.136	1.00	1	02/05/2021 02:36	WG1616772
Bromoform	U		0.129	1.00	1	02/05/2021 02:36	WG1616772
Bromomethane	U		0.605	5.00	1	02/05/2021 02:36	WG1616772
n-Butylbenzene	U		0.157	1.00	1	02/05/2021 02:36	WG1616772
sec-Butylbenzene	0.310	J	0.125	1.00	1	02/05/2021 02:36	WG1616772
tert-Butylbenzene	U		0.127	1.00	1	02/05/2021 02:36	WG1616772
Carbon tetrachloride	U		0.128	1.00	1	02/05/2021 02:36	WG1616772
Chlorobenzene	U		0.116	1.00	1	02/05/2021 02:36	WG1616772
Chlorodibromomethane	U		0.140	1.00	1	02/05/2021 02:36	WG1616772
Chloroethane	U		0.192	5.00	1	02/05/2021 02:36	WG1616772
Chloroform	U		0.111	5.00	1	02/05/2021 02:36	WG1616772
Chloromethane	U		0.960	2.50	1	02/05/2021 02:36	WG1616772
2-Chlorotoluene	U		0.106	1.00	1	02/05/2021 02:36	WG1616772
4-Chlorotoluene	U		0.114	1.00	1	02/05/2021 02:36	WG1616772
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/05/2021 02:36	WG1616772
1,2-Dibromoethane	U		0.126	1.00	1	02/05/2021 02:36	WG1616772
Dibromomethane	U		0.122	1.00	1	02/05/2021 02:36	WG1616772
1,2-Dichlorobenzene	U		0.107	1.00	1	02/05/2021 02:36	WG1616772
1,3-Dichlorobenzene	U		0.110	1.00	1	02/05/2021 02:36	WG1616772
1,4-Dichlorobenzene	U		0.120	1.00	1	02/05/2021 02:36	WG1616772
Dichlorodifluoromethane	U		0.374	5.00	1	02/05/2021 02:36	WG1616772
1,1-Dichloroethane	U		0.100	1.00	1	02/05/2021 02:36	WG1616772
1,2-Dichloroethane	U		0.0819	1.00	1	02/05/2021 02:36	WG1616772
1,1-Dichloroethene	U		0.188	1.00	1	02/05/2021 02:36	WG1616772
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/05/2021 02:36	WG1616772
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/05/2021 02:36	WG1616772
1,2-Dichloropropane	U		0.149	1.00	1	02/05/2021 02:36	WG1616772
1,1-Dichloropropene	U		0.142	1.00	1	02/05/2021 02:36	WG1616772
1,3-Dichloropropane	U		0.110	1.00	1	02/05/2021 02:36	WG1616772
2,2-Dichloropropane	U		0.161	1.00	1	02/05/2021 02:36	WG1616772
Di-isopropyl ether	U		0.105	1.00	1	02/05/2021 02:36	WG1616772
Ethylbenzene	4.07		0.137	1.00	1	02/05/2021 02:36	WG1616772
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/05/2021 02:36	WG1616772
Isopropylbenzene	0.465	J	0.105	1.00	1	02/05/2021 02:36	WG1616772
p-Isopropyltoluene	U		0.120	1.00	1	02/05/2021 02:36	WG1616772
2-Butanone (MEK)	U		1.19	10.0	1	02/05/2021 02:36	WG1616772
Methylene Chloride	U		0.430	5.00	1	02/05/2021 02:36	WG1616772
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/05/2021 02:36	WG1616772
Methyl tert-butyl ether	U		0.101	1.00	1	02/05/2021 02:36	WG1616772
Naphthalene	U		1.00	5.00	1	02/05/2021 02:36	WG1616772
n-Propylbenzene	0.815	J	0.0993	1.00	1	02/05/2021 02:36	WG1616772
Styrene	U		0.118	1.00	1	02/05/2021 02:36	WG1616772
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/05/2021 02:36	WG1616772
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/05/2021 02:36	WG1616772
Tetrachloroethene	U		0.300	1.00	1	02/05/2021 02:36	WG1616772
Toluene	1.77		0.278	1.00	1	02/05/2021 02:36	WG1616772
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/05/2021 02:36	WG1616772
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/05/2021 02:36	WG1616772
1,1,1-Trichloroethane	U		0.149	1.00	1	02/05/2021 02:36	WG1616772
1,1,2-Trichloroethane	U		0.158	1.00	1	02/05/2021 02:36	WG1616772
Trichloroethene	U		0.190	1.00	1	02/05/2021 02:36	WG1616772

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trichlorofluoromethane	U		0.160	5.00	1	02/05/2021 02:36	WG1616772
1,2,3-Trichloropropane	U		0.237	2.50	1	02/05/2021 02:36	WG1616772
1,2,4-Trimethylbenzene	2.21		0.322	1.00	1	02/05/2021 02:36	WG1616772
1,3,5-Trimethylbenzene	0.407	J	0.104	1.00	1	02/05/2021 02:36	WG1616772
Vinyl chloride	U		0.234	1.00	1	02/05/2021 02:36	WG1616772
o-Xylene	1.05		0.174	1.00	1	02/05/2021 02:36	WG1616772
m&p-Xylenes	7.43		0.430	2.00	1	02/05/2021 02:36	WG1616772
(S) Toluene-d8	*104*			*80.0-120*		*02/05/2021 02:36*	WG1616772
(S) 4-Bromofluorobenzene	*97.0*			*77.0-126*		*02/05/2021 02:36*	WG1616772
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*02/05/2021 02:36*	WG1616772

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	02/09/2021 22:47	WG1618987
Acrolein	U		2.54	50.0	1	02/09/2021 22:47	WG1618987
Acrylonitrile	U		0.671	10.0	1	02/09/2021 22:47	WG1618987
Benzene	U		0.0941	1.00	1	02/09/2021 22:47	WG1618987
Bromobenzene	U		0.118	1.00	1	02/11/2021 12:04	WG1619584
Bromodichloromethane	U		0.136	1.00	1	02/09/2021 22:47	WG1618987
Bromoform	U		0.129	1.00	1	02/09/2021 22:47	WG1618987
Bromomethane	U		0.605	5.00	1	02/09/2021 22:47	WG1618987
n-Butylbenzene	U		0.157	1.00	1	02/11/2021 12:04	WG1619584
sec-Butylbenzene	U		0.125	1.00	1	02/11/2021 12:04	WG1619584
tert-Butylbenzene	U		0.127	1.00	1	02/11/2021 12:04	WG1619584
Carbon tetrachloride	U		0.128	1.00	1	02/09/2021 22:47	WG1618987
Chlorobenzene	U		0.116	1.00	1	02/09/2021 22:47	WG1618987
Chlorodibromomethane	U		0.140	1.00	1	02/09/2021 22:47	WG1618987
Chloroethane	U		0.192	5.00	1	02/09/2021 22:47	WG1618987
Chloroform	U		0.111	5.00	1	02/09/2021 22:47	WG1618987
Chloromethane	U		0.960	2.50	1	02/09/2021 22:47	WG1618987
2-Chlorotoluene	U		0.106	1.00	1	02/11/2021 12:04	WG1619584
4-Chlorotoluene	U		0.114	1.00	1	02/11/2021 12:04	WG1619584
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/11/2021 12:04	WG1619584
1,2-Dibromoethane	U		0.126	1.00	1	02/09/2021 22:47	WG1618987
Dibromomethane	U		0.122	1.00	1	02/09/2021 22:47	WG1618987
1,2-Dichlorobenzene	U		0.107	1.00	1	02/11/2021 12:04	WG1619584
1,3-Dichlorobenzene	U		0.110	1.00	1	02/11/2021 12:04	WG1619584
1,4-Dichlorobenzene	U		0.120	1.00	1	02/11/2021 12:04	WG1619584
Dichlorodifluoromethane	U		0.374	5.00	1	02/09/2021 22:47	WG1618987
1,1-Dichloroethane	U		0.100	1.00	1	02/09/2021 22:47	WG1618987
1,2-Dichloroethane	U		0.0819	1.00	1	02/09/2021 22:47	WG1618987
1,1-Dichloroethene	U		0.188	1.00	1	02/09/2021 22:47	WG1618987
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/09/2021 22:47	WG1618987
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/09/2021 22:47	WG1618987
1,2-Dichloropropane	U		0.149	1.00	1	02/09/2021 22:47	WG1618987
1,1-Dichloropropene	U		0.142	1.00	1	02/09/2021 22:47	WG1618987
1,3-Dichloropropane	U		0.110	1.00	1	02/09/2021 22:47	WG1618987
2,2-Dichloropropane	U	J4	0.161	1.00	1	02/09/2021 22:47	WG1618987
Di-isopropyl ether	U		0.105	1.00	1	02/09/2021 22:47	WG1618987
Ethylbenzene	U		0.137	1.00	1	02/09/2021 22:47	WG1618987
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/11/2021 12:04	WG1619584
Isopropylbenzene	U		0.105	1.00	1	02/09/2021 22:47	WG1618987
p-Isopropyltoluene	U		0.120	1.00	1	02/11/2021 12:04	WG1619584
2-Butanone (MEK)	U		1.19	10.0	1	02/09/2021 22:47	WG1618987
Methylene Chloride	U		0.430	5.00	1	02/09/2021 22:47	WG1618987
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/09/2021 22:47	WG1618987
Methyl tert-butyl ether	U		0.101	1.00	1	02/09/2021 22:47	WG1618987
Naphthalene	U		1.00	5.00	1	02/11/2021 12:04	WG1619584
n-Propylbenzene	U		0.0993	1.00	1	02/11/2021 12:04	WG1619584
Styrene	U		0.118	1.00	1	02/09/2021 22:47	WG1618987
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/09/2021 22:47	WG1618987
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/11/2021 12:04	WG1619584
Tetrachloroethene	U		0.300	1.00	1	02/09/2021 22:47	WG1618987
Toluene	U		0.278	1.00	1	02/09/2021 22:47	WG1618987
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/11/2021 12:04	WG1619584
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/11/2021 12:04	WG1619584
1,1,1-Trichloroethane	U		0.149	1.00	1	02/09/2021 22:47	WG1618987
1,1,2-Trichloroethane	U		0.158	1.00	1	02/09/2021 22:47	WG1618987
Trichloroethene	U		0.190	1.00	1	02/09/2021 22:47	WG1618987

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trichlorofluoromethane	U		0.160	5.00	1	02/09/2021 22:47	WG1618987
1,2,3-Trichloropropane	U		0.237	2.50	1	02/11/2021 12:04	WG1619584
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/11/2021 12:04	WG1619584
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/11/2021 12:04	WG1619584
Vinyl chloride	U	J4	0.234	1.00	1	02/09/2021 22:47	WG1618987
o-Xylene	U		0.174	1.00	1	02/09/2021 22:47	WG1618987
m&p-Xylenes	U		0.430	2.00	1	02/09/2021 22:47	WG1618987
(S) Toluene-d8	*102*			*80.0-120*		*02/09/2021 22:47*	WG1618987
(S) Toluene-d8	*98.7*			*80.0-120*		*02/11/2021 12:04*	WG1619584
(S) 4-Bromofluorobenzene	*94.5*			*77.0-126*		*02/09/2021 22:47*	WG1618987
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*02/11/2021 12:04*	WG1619584
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*02/09/2021 22:47*	WG1618987
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*02/11/2021 12:04*	WG1619584

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	14.2	J	11.3	50.0	1	02/05/2021 02:56	WG1616772
Acrolein	U		2.54	50.0	1	02/05/2021 02:56	WG1616772
Acrylonitrile	U		0.671	10.0	1	02/05/2021 02:56	WG1616772
Benzene	U		0.0941	1.00	1	02/05/2021 02:56	WG1616772
Bromobenzene	U		0.118	1.00	1	02/05/2021 02:56	WG1616772
Bromodichloromethane	U		0.136	1.00	1	02/05/2021 02:56	WG1616772
Bromoform	U		0.129	1.00	1	02/05/2021 02:56	WG1616772
Bromomethane	U		0.605	5.00	1	02/05/2021 02:56	WG1616772
n-Butylbenzene	U		0.157	1.00	1	02/05/2021 02:56	WG1616772
sec-Butylbenzene	U		0.125	1.00	1	02/05/2021 02:56	WG1616772
tert-Butylbenzene	U		0.127	1.00	1	02/05/2021 02:56	WG1616772
Carbon tetrachloride	U		0.128	1.00	1	02/05/2021 02:56	WG1616772
Chlorobenzene	U		0.116	1.00	1	02/05/2021 02:56	WG1616772
Chlorodibromomethane	U		0.140	1.00	1	02/05/2021 02:56	WG1616772
Chloroethane	U		0.192	5.00	1	02/05/2021 02:56	WG1616772
Chloroform	U		0.111	5.00	1	02/05/2021 02:56	WG1616772
Chloromethane	U		0.960	2.50	1	02/05/2021 02:56	WG1616772
2-Chlorotoluene	U		0.106	1.00	1	02/05/2021 02:56	WG1616772
4-Chlorotoluene	U		0.114	1.00	1	02/05/2021 02:56	WG1616772
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/05/2021 02:56	WG1616772
1,2-Dibromoethane	U		0.126	1.00	1	02/05/2021 02:56	WG1616772
Dibromomethane	U		0.122	1.00	1	02/05/2021 02:56	WG1616772
1,2-Dichlorobenzene	U		0.107	1.00	1	02/05/2021 02:56	WG1616772
1,3-Dichlorobenzene	U		0.110	1.00	1	02/05/2021 02:56	WG1616772
1,4-Dichlorobenzene	U		0.120	1.00	1	02/05/2021 02:56	WG1616772
Dichlorodifluoromethane	U		0.374	5.00	1	02/05/2021 02:56	WG1616772
1,1-Dichloroethane	U		0.100	1.00	1	02/05/2021 02:56	WG1616772
1,2-Dichloroethane	U		0.0819	1.00	1	02/05/2021 02:56	WG1616772
1,1-Dichloroethene	U		0.188	1.00	1	02/05/2021 02:56	WG1616772
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/05/2021 02:56	WG1616772
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/05/2021 02:56	WG1616772
1,2-Dichloropropane	U		0.149	1.00	1	02/05/2021 02:56	WG1616772
1,1-Dichloropropene	U		0.142	1.00	1	02/05/2021 02:56	WG1616772
1,3-Dichloropropane	U		0.110	1.00	1	02/05/2021 02:56	WG1616772
2,2-Dichloropropane	U		0.161	1.00	1	02/05/2021 02:56	WG1616772
Di-isopropyl ether	U		0.105	1.00	1	02/05/2021 02:56	WG1616772
Ethylbenzene	U		0.137	1.00	1	02/05/2021 02:56	WG1616772
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/05/2021 02:56	WG1616772
Isopropylbenzene	U		0.105	1.00	1	02/05/2021 02:56	WG1616772
p-Isopropyltoluene	U		0.120	1.00	1	02/05/2021 02:56	WG1616772
2-Butanone (MEK)	U		1.19	10.0	1	02/05/2021 02:56	WG1616772
Methylene Chloride	U		0.430	5.00	1	02/05/2021 02:56	WG1616772
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/05/2021 02:56	WG1616772
Methyl tert-butyl ether	U		0.101	1.00	1	02/05/2021 02:56	WG1616772
Naphthalene	U		1.00	5.00	1	02/05/2021 02:56	WG1616772
n-Propylbenzene	U		0.0993	1.00	1	02/05/2021 02:56	WG1616772
Styrene	U		0.118	1.00	1	02/05/2021 02:56	WG1616772
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/05/2021 02:56	WG1616772
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/05/2021 02:56	WG1616772
Tetrachloroethene	U		0.300	1.00	1	02/05/2021 02:56	WG1616772
Toluene	U		0.278	1.00	1	02/05/2021 02:56	WG1616772
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/05/2021 02:56	WG1616772
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/05/2021 02:56	WG1616772
1,1,1-Trichloroethane	U		0.149	1.00	1	02/05/2021 02:56	WG1616772
1,1,2-Trichloroethane	U		0.158	1.00	1	02/05/2021 02:56	WG1616772
Trichloroethene	U		0.190	1.00	1	02/05/2021 02:56	WG1616772

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trichlorofluoromethane	U		0.160	5.00	1	02/05/2021 02:56	WG1616772
1,2,3-Trichloropropane	U		0.237	2.50	1	02/05/2021 02:56	WG1616772
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/05/2021 02:56	WG1616772
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/05/2021 02:56	WG1616772
Vinyl chloride	U		0.234	1.00	1	02/05/2021 02:56	WG1616772
o-Xylene	U		0.174	1.00	1	02/05/2021 02:56	WG1616772
m&p-Xylenes	U		0.430	2.00	1	02/05/2021 02:56	WG1616772
(S) Toluene-d8	*104*			*80.0-120*		*02/05/2021 02:56*	WG1616772
(S) 4-Bromofluorobenzene	*93.4*			*77.0-126*		*02/05/2021 02:56*	WG1616772
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*02/05/2021 02:56*	WG1616772

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	02/05/2021 03:16	WG1616772
Acrolein	U		2.54	50.0	1	02/05/2021 03:16	WG1616772
Acrylonitrile	U		0.671	10.0	1	02/05/2021 03:16	WG1616772
Benzene	U		0.0941	1.00	1	02/05/2021 03:16	WG1616772
Bromobenzene	U		0.118	1.00	1	02/05/2021 03:16	WG1616772
Bromodichloromethane	U		0.136	1.00	1	02/05/2021 03:16	WG1616772
Bromoform	U		0.129	1.00	1	02/05/2021 03:16	WG1616772
Bromomethane	U		0.605	5.00	1	02/05/2021 03:16	WG1616772
n-Butylbenzene	U		0.157	1.00	1	02/05/2021 03:16	WG1616772
sec-Butylbenzene	U		0.125	1.00	1	02/05/2021 03:16	WG1616772
tert-Butylbenzene	U		0.127	1.00	1	02/05/2021 03:16	WG1616772
Carbon tetrachloride	U		0.128	1.00	1	02/05/2021 03:16	WG1616772
Chlorobenzene	U		0.116	1.00	1	02/05/2021 03:16	WG1616772
Chlorodibromomethane	U		0.140	1.00	1	02/05/2021 03:16	WG1616772
Chloroethane	U		0.192	5.00	1	02/05/2021 03:16	WG1616772
Chloroform	U		0.111	5.00	1	02/05/2021 03:16	WG1616772
Chloromethane	U		0.960	2.50	1	02/05/2021 03:16	WG1616772
2-Chlorotoluene	U		0.106	1.00	1	02/05/2021 03:16	WG1616772
4-Chlorotoluene	U		0.114	1.00	1	02/05/2021 03:16	WG1616772
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/05/2021 03:16	WG1616772
1,2-Dibromoethane	U		0.126	1.00	1	02/05/2021 03:16	WG1616772
Dibromomethane	U		0.122	1.00	1	02/05/2021 03:16	WG1616772
1,2-Dichlorobenzene	U		0.107	1.00	1	02/05/2021 03:16	WG1616772
1,3-Dichlorobenzene	U		0.110	1.00	1	02/05/2021 03:16	WG1616772
1,4-Dichlorobenzene	U		0.120	1.00	1	02/05/2021 03:16	WG1616772
Dichlorodifluoromethane	U		0.374	5.00	1	02/05/2021 03:16	WG1616772
1,1-Dichloroethane	U		0.100	1.00	1	02/05/2021 03:16	WG1616772
1,2-Dichloroethane	U		0.0819	1.00	1	02/05/2021 03:16	WG1616772
1,1-Dichloroethene	U		0.188	1.00	1	02/05/2021 03:16	WG1616772
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/05/2021 03:16	WG1616772
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/05/2021 03:16	WG1616772
1,2-Dichloropropane	U		0.149	1.00	1	02/05/2021 03:16	WG1616772
1,1-Dichloropropene	U		0.142	1.00	1	02/05/2021 03:16	WG1616772
1,3-Dichloropropane	U		0.110	1.00	1	02/05/2021 03:16	WG1616772
2,2-Dichloropropane	U		0.161	1.00	1	02/05/2021 03:16	WG1616772
Di-isopropyl ether	U		0.105	1.00	1	02/05/2021 03:16	WG1616772
Ethylbenzene	U		0.137	1.00	1	02/05/2021 03:16	WG1616772
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/05/2021 03:16	WG1616772
Isopropylbenzene	U		0.105	1.00	1	02/05/2021 03:16	WG1616772
p-Isopropyltoluene	U		0.120	1.00	1	02/05/2021 03:16	WG1616772
2-Butanone (MEK)	U		1.19	10.0	1	02/05/2021 03:16	WG1616772
Methylene Chloride	U		0.430	5.00	1	02/05/2021 03:16	WG1616772
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/05/2021 03:16	WG1616772
Methyl tert-butyl ether	U		0.101	1.00	1	02/05/2021 03:16	WG1616772
Naphthalene	U		1.00	5.00	1	02/05/2021 03:16	WG1616772
n-Propylbenzene	U		0.0993	1.00	1	02/05/2021 03:16	WG1616772
Styrene	U		0.118	1.00	1	02/05/2021 03:16	WG1616772
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/05/2021 03:16	WG1616772
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/05/2021 03:16	WG1616772
Tetrachloroethene	U		0.300	1.00	1	02/05/2021 03:16	WG1616772
Toluene	U		0.278	1.00	1	02/05/2021 03:16	WG1616772
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/05/2021 03:16	WG1616772
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/05/2021 03:16	WG1616772
1,1,1-Trichloroethane	U		0.149	1.00	1	02/05/2021 03:16	WG1616772
1,1,2-Trichloroethane	U		0.158	1.00	1	02/05/2021 03:16	WG1616772
Trichloroethene	U		0.190	1.00	1	02/05/2021 03:16	WG1616772

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trichlorofluoromethane	U		0.160	5.00	1	02/05/2021 03:16	WG1616772
1,2,3-Trichloropropane	U		0.237	2.50	1	02/05/2021 03:16	WG1616772
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/05/2021 03:16	WG1616772
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/05/2021 03:16	WG1616772
Vinyl chloride	U		0.234	1.00	1	02/05/2021 03:16	WG1616772
o-Xylene	U		0.174	1.00	1	02/05/2021 03:16	WG1616772
m&p-Xylenes	U		0.430	2.00	1	02/05/2021 03:16	WG1616772
(S) Toluene-d8	*106*			*80.0-120*		*02/05/2021 03:16*	WG1616772
(S) 4-Bromofluorobenzene	*94.8*			*77.0-126*		*02/05/2021 03:16*	WG1616772
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*02/05/2021 03:16*	WG1616772

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	02/05/2021 03:37	WG1616772
Acrolein	U		2.54	50.0	1	02/05/2021 03:37	WG1616772
Acrylonitrile	U		0.671	10.0	1	02/05/2021 03:37	WG1616772
Benzene	U		0.0941	1.00	1	02/05/2021 03:37	WG1616772
Bromobenzene	U		0.118	1.00	1	02/05/2021 03:37	WG1616772
Bromodichloromethane	U		0.136	1.00	1	02/05/2021 03:37	WG1616772
Bromoform	U		0.129	1.00	1	02/05/2021 03:37	WG1616772
Bromomethane	U		0.605	5.00	1	02/05/2021 03:37	WG1616772
n-Butylbenzene	U		0.157	1.00	1	02/05/2021 03:37	WG1616772
sec-Butylbenzene	U		0.125	1.00	1	02/05/2021 03:37	WG1616772
tert-Butylbenzene	U		0.127	1.00	1	02/05/2021 03:37	WG1616772
Carbon tetrachloride	U		0.128	1.00	1	02/05/2021 03:37	WG1616772
Chlorobenzene	U		0.116	1.00	1	02/05/2021 03:37	WG1616772
Chlorodibromomethane	U		0.140	1.00	1	02/05/2021 03:37	WG1616772
Chloroethane	U		0.192	5.00	1	02/05/2021 03:37	WG1616772
Chloroform	U		0.111	5.00	1	02/05/2021 03:37	WG1616772
Chloromethane	U		0.960	2.50	1	02/05/2021 03:37	WG1616772
2-Chlorotoluene	U		0.106	1.00	1	02/05/2021 03:37	WG1616772
4-Chlorotoluene	U		0.114	1.00	1	02/05/2021 03:37	WG1616772
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/05/2021 03:37	WG1616772
1,2-Dibromoethane	U		0.126	1.00	1	02/05/2021 03:37	WG1616772
Dibromomethane	U		0.122	1.00	1	02/05/2021 03:37	WG1616772
1,2-Dichlorobenzene	U		0.107	1.00	1	02/05/2021 03:37	WG1616772
1,3-Dichlorobenzene	U		0.110	1.00	1	02/05/2021 03:37	WG1616772
1,4-Dichlorobenzene	U		0.120	1.00	1	02/05/2021 03:37	WG1616772
Dichlorodifluoromethane	U		0.374	5.00	1	02/05/2021 03:37	WG1616772
1,1-Dichloroethane	U		0.100	1.00	1	02/05/2021 03:37	WG1616772
1,2-Dichloroethane	U		0.0819	1.00	1	02/05/2021 03:37	WG1616772
1,1-Dichloroethene	U		0.188	1.00	1	02/05/2021 03:37	WG1616772
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/05/2021 03:37	WG1616772
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/05/2021 03:37	WG1616772
1,2-Dichloropropane	U		0.149	1.00	1	02/05/2021 03:37	WG1616772
1,1-Dichloropropene	U		0.142	1.00	1	02/05/2021 03:37	WG1616772
1,3-Dichloropropane	U		0.110	1.00	1	02/05/2021 03:37	WG1616772
2,2-Dichloropropane	U		0.161	1.00	1	02/05/2021 03:37	WG1616772
Di-isopropyl ether	U		0.105	1.00	1	02/05/2021 03:37	WG1616772
Ethylbenzene	U		0.137	1.00	1	02/05/2021 03:37	WG1616772
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/05/2021 03:37	WG1616772
Isopropylbenzene	U		0.105	1.00	1	02/05/2021 03:37	WG1616772
p-Isopropyltoluene	U		0.120	1.00	1	02/05/2021 03:37	WG1616772
2-Butanone (MEK)	U		1.19	10.0	1	02/05/2021 03:37	WG1616772
Methylene Chloride	U		0.430	5.00	1	02/05/2021 03:37	WG1616772
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	02/05/2021 03:37	WG1616772
Methyl tert-butyl ether	U		0.101	1.00	1	02/05/2021 03:37	WG1616772
Naphthalene	U		1.00	5.00	1	02/05/2021 03:37	WG1616772
n-Propylbenzene	U		0.0993	1.00	1	02/05/2021 03:37	WG1616772
Styrene	U		0.118	1.00	1	02/05/2021 03:37	WG1616772
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/05/2021 03:37	WG1616772
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/05/2021 03:37	WG1616772
Tetrachloroethene	U		0.300	1.00	1	02/05/2021 03:37	WG1616772
Toluene	U		0.278	1.00	1	02/05/2021 03:37	WG1616772
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/05/2021 03:37	WG1616772
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/05/2021 03:37	WG1616772
1,1,1-Trichloroethane	U		0.149	1.00	1	02/05/2021 03:37	WG1616772
1,1,2-Trichloroethane	U		0.158	1.00	1	02/05/2021 03:37	WG1616772
Trichloroethene	U		0.190	1.00	1	02/05/2021 03:37	WG1616772

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trichlorofluoromethane	U		0.160	5.00	1	02/05/2021 03:37	WG1616772
1,2,3-Trichloropropane	U		0.237	2.50	1	02/05/2021 03:37	WG1616772
1,2,4-Trimethylbenzene	U		0.322	1.00	1	02/05/2021 03:37	WG1616772
1,3,5-Trimethylbenzene	U		0.104	1.00	1	02/05/2021 03:37	WG1616772
Vinyl chloride	U		0.234	1.00	1	02/05/2021 03:37	WG1616772
o-Xylene	U		0.174	1.00	1	02/05/2021 03:37	WG1616772
m&p-Xylenes	U		0.430	2.00	1	02/05/2021 03:37	WG1616772
(S) Toluene-d8	*104*			*80.0-120*		*02/05/2021 03:37*	WG1616772
(S) 4-Bromofluorobenzene	*93.3*			*77.0-126*		*02/05/2021 03:37*	WG1616772
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*02/05/2021 03:37*	WG1616772

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	U		11.3	50.0	1	02/05/2021 05:59	WG1616772
Acrolein	U		2.54	50.0	1	02/05/2021 05:59	WG1616772
Acrylonitrile	U		0.671	10.0	1	02/05/2021 05:59	WG1616772
Benzene	87.4		0.0941	1.00	1	02/05/2021 05:59	WG1616772
Bromobenzene	U		0.118	1.00	1	02/05/2021 05:59	WG1616772
Bromodichloromethane	U		0.136	1.00	1	02/05/2021 05:59	WG1616772
Bromoform	U		0.129	1.00	1	02/05/2021 05:59	WG1616772
Bromomethane	U		0.605	5.00	1	02/05/2021 05:59	WG1616772
n-Butylbenzene	2.68		0.157	1.00	1	02/05/2021 05:59	WG1616772
sec-Butylbenzene	3.54		0.125	1.00	1	02/05/2021 05:59	WG1616772
tert-Butylbenzene	U		0.127	1.00	1	02/05/2021 05:59	WG1616772
Carbon tetrachloride	U		0.128	1.00	1	02/05/2021 05:59	WG1616772
Chlorobenzene	U		0.116	1.00	1	02/05/2021 05:59	WG1616772
Chlorodibromomethane	U		0.140	1.00	1	02/05/2021 05:59	WG1616772
Chloroethane	U		0.192	5.00	1	02/05/2021 05:59	WG1616772
Chloroform	U		0.111	5.00	1	02/05/2021 05:59	WG1616772
Chloromethane	U		0.960	2.50	1	02/05/2021 05:59	WG1616772
2-Chlorotoluene	U		0.106	1.00	1	02/05/2021 05:59	WG1616772
4-Chlorotoluene	U		0.114	1.00	1	02/05/2021 05:59	WG1616772
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	02/05/2021 05:59	WG1616772
1,2-Dibromoethane	U		0.126	1.00	1	02/05/2021 05:59	WG1616772
Dibromomethane	U		0.122	1.00	1	02/05/2021 05:59	WG1616772
1,2-Dichlorobenzene	U		0.107	1.00	1	02/05/2021 05:59	WG1616772
1,3-Dichlorobenzene	U		0.110	1.00	1	02/05/2021 05:59	WG1616772
1,4-Dichlorobenzene	U		0.120	1.00	1	02/05/2021 05:59	WG1616772
Dichlorodifluoromethane	U		0.374	5.00	1	02/05/2021 05:59	WG1616772
1,1-Dichloroethane	U		0.100	1.00	1	02/05/2021 05:59	WG1616772
1,2-Dichloroethane	U		0.0819	1.00	1	02/05/2021 05:59	WG1616772
1,1-Dichloroethene	U		0.188	1.00	1	02/05/2021 05:59	WG1616772
cis-1,2-Dichloroethene	U		0.126	1.00	1	02/05/2021 05:59	WG1616772
trans-1,2-Dichloroethene	U		0.149	1.00	1	02/05/2021 05:59	WG1616772
1,2-Dichloropropane	U		0.149	1.00	1	02/05/2021 05:59	WG1616772
1,1-Dichloropropene	U		0.142	1.00	1	02/05/2021 05:59	WG1616772
1,3-Dichloropropane	U		0.110	1.00	1	02/05/2021 05:59	WG1616772
2,2-Dichloropropane	U		0.161	1.00	1	02/05/2021 05:59	WG1616772
Di-isopropyl ether	U		0.105	1.00	1	02/05/2021 05:59	WG1616772
Ethylbenzene	334		0.685	5.00	5	02/06/2021 18:27	WG1617481
Hexachloro-1,3-butadiene	U		0.337	1.00	1	02/05/2021 05:59	WG1616772
Isopropylbenzene	15.0		0.105	1.00	1	02/05/2021 05:59	WG1616772
p-Isopropyltoluene	0.448	J	0.120	1.00	1	02/05/2021 05:59	WG1616772
2-Butanone (MEK)	U		1.19	10.0	1	02/05/2021 05:59	WG1616772
Methylene Chloride	U		0.430	5.00	1	02/05/2021 05:59	WG1616772
4-Methyl-2-pentanone (MIBK)	0.634	J	0.478	10.0	1	02/05/2021 05:59	WG1616772
Methyl tert-butyl ether	3.56		0.101	1.00	1	02/05/2021 05:59	WG1616772
Naphthalene	50.6		1.00	5.00	1	02/05/2021 05:59	WG1616772
n-Propylbenzene	34.3		0.0993	1.00	1	02/05/2021 05:59	WG1616772
Styrene	U		0.118	1.00	1	02/05/2021 05:59	WG1616772
1,1,1,2-Tetrachloroethane	U		0.147	1.00	1	02/05/2021 05:59	WG1616772
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	02/05/2021 05:59	WG1616772
Tetrachloroethene	U		0.300	1.00	1	02/05/2021 05:59	WG1616772
Toluene	29.6		0.278	1.00	1	02/05/2021 05:59	WG1616772
1,2,3-Trichlorobenzene	U		0.230	1.00	1	02/05/2021 05:59	WG1616772
1,2,4-Trichlorobenzene	U		0.481	1.00	1	02/05/2021 05:59	WG1616772
1,1,1-Trichloroethane	U		0.149	1.00	1	02/05/2021 05:59	WG1616772
1,1,2-Trichloroethane	U		0.158	1.00	1	02/05/2021 05:59	WG1616772
Trichloroethene	U		0.190	1.00	1	02/05/2021 05:59	WG1616772

Volatile Organic Compounds (GC/MS) by Method 6200B-2011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Trichlorofluoromethane	U		0.160	5.00	1	02/05/2021 05:59	WG1616772
1,2,3-Trichloropropane	U		0.237	2.50	1	02/05/2021 05:59	WG1616772
1,2,4-Trimethylbenzene	54.6		0.322	1.00	1	02/05/2021 05:59	WG1616772
1,3,5-Trimethylbenzene	5.84		0.104	1.00	1	02/05/2021 05:59	WG1616772
Vinyl chloride	U		0.234	1.00	1	02/05/2021 05:59	WG1616772
o-Xylene	63.1		0.174	1.00	1	02/05/2021 05:59	WG1616772
m&p-Xylenes	112		0.430	2.00	1	02/05/2021 05:59	WG1616772
(S) Toluene-d8	*105*			*80.0-120*		*02/05/2021 05:59*	WG1616772
(S) Toluene-d8	*102*			*80.0-120*		*02/06/2021 18:27*	WG1617481
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*02/05/2021 05:59*	WG1616772
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*02/06/2021 18:27*	WG1617481
(S) 1,2-Dichloroethane-d4	*98.7*			*70.0-130*		*02/05/2021 05:59*	WG1616772
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*02/06/2021 18:27*	WG1617481

Method Blank (MB)

(MB) R3620018-3 02/04/21 21:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromobenzene	U		0.118	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00
Isopropylbenzene	U		0.105	1.00
p-Isopropyltoluene	U		0.120	1.00

Method Blank (MB)

(MB) R3620018-3 02/04/21 21:17

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
Vinyl chloride	U		0.234	1.00
o-Xylene	U		0.174	1.00
m&p-Xylenes	U		0.430	2.00
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3620018-1 02/04/21 20:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	25.0	29.6	118	19.0-160	
Acrolein	25.0	31.8	127	10.0-160	
Acrylonitrile	25.0	25.8	103	55.0-149	
Benzene	5.00	4.46	89.2	70.0-123	
Bromobenzene	5.00	4.72	94.4	73.0-121	
Bromodichloromethane	5.00	4.54	90.8	75.0-120	
Bromoform	5.00	4.80	96.0	68.0-132	

Laboratory Control Sample (LCS)

(LCS) R3620018-1 02/04/21 20:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromomethane	5.00	4.50	90.0	10.0-160	
n-Butylbenzene	5.00	4.61	92.2	73.0-125	
sec-Butylbenzene	5.00	4.69	93.8	75.0-125	
tert-Butylbenzene	5.00	4.72	94.4	76.0-124	
Carbon tetrachloride	5.00	4.55	91.0	68.0-126	
Chlorobenzene	5.00	4.39	87.8	80.0-121	
Chlorodibromomethane	5.00	4.85	97.0	77.0-125	
Chloroethane	5.00	4.84	96.8	47.0-150	
Chloroform	5.00	4.59	91.8	73.0-120	
Chloromethane	5.00	4.31	86.2	41.0-142	
2-Chlorotoluene	5.00	4.93	98.6	76.0-123	
4-Chlorotoluene	5.00	4.60	92.0	75.0-122	
1,2-Dibromo-3-Chloropropane	5.00	4.17	83.4	58.0-134	
1,2-Dibromoethane	5.00	4.78	95.6	80.0-122	
Dibromomethane	5.00	4.56	91.2	80.0-120	
1,2-Dichlorobenzene	5.00	4.60	92.0	79.0-121	
1,3-Dichlorobenzene	5.00	4.71	94.2	79.0-120	
1,4-Dichlorobenzene	5.00	4.81	96.2	79.0-120	
Dichlorodifluoromethane	5.00	4.85	97.0	51.0-149	
1,1-Dichloroethane	5.00	4.54	90.8	70.0-126	
1,2-Dichloroethane	5.00	4.76	95.2	70.0-128	
1,1-Dichloroethene	5.00	4.44	88.8	71.0-124	
cis-1,2-Dichloroethene	5.00	4.23	84.6	73.0-120	
trans-1,2-Dichloroethene	5.00	4.34	86.8	73.0-120	
1,2-Dichloropropane	5.00	4.66	93.2	77.0-125	
1,1-Dichloropropene	5.00	4.74	94.8	74.0-126	
1,3-Dichloropropane	5.00	4.79	95.8	80.0-120	
2,2-Dichloropropane	5.00	5.09	102	58.0-130	
Di-isopropyl ether	5.00	4.52	90.4	58.0-138	
Ethylbenzene	5.00	4.47	89.4	79.0-123	
Hexachloro-1,3-butadiene	5.00	4.51	90.2	54.0-138	
Isopropylbenzene	5.00	4.13	82.6	76.0-127	
p-Isopropyltoluene	5.00	4.55	91.0	76.0-125	
2-Butanone (MEK)	25.0	27.6	110	44.0-160	
Methylene Chloride	5.00	4.46	89.2	67.0-120	
4-Methyl-2-pentanone (MIBK)	25.0	26.6	106	68.0-142	
Methyl tert-butyl ether	5.00	4.03	80.6	68.0-125	
Naphthalene	5.00	4.20	84.0	54.0-135	
n-Propylbenzene	5.00	4.55	91.0	77.0-124	
Styrene	5.00	4.24	84.8	73.0-130	

Laboratory Control Sample (LCS)

(LCS) R3620018-1 02/04/21 20:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1,1,2-Tetrachloroethane	5.00	4.44	88.8	75.0-125	
1,1,2,2-Tetrachloroethane	5.00	5.47	109	65.0-130	
Tetrachloroethene	5.00	4.37	87.4	72.0-132	
Toluene	5.00	4.40	88.0	79.0-120	
1,2,3-Trichlorobenzene	5.00	4.46	89.2	50.0-138	
1,2,4-Trichlorobenzene	5.00	4.19	83.8	57.0-137	
1,1,1-Trichloroethane	5.00	4.36	87.2	73.0-124	
1,1,2-Trichloroethane	5.00	4.27	85.4	80.0-120	
Trichloroethene	5.00	4.39	87.8	78.0-124	
Trichlorofluoromethane	5.00	4.63	92.6	59.0-147	
1,2,3-Trichloropropane	5.00	5.76	115	73.0-130	
1,2,4-Trimethylbenzene	5.00	4.60	92.0	76.0-121	
1,3,5-Trimethylbenzene	5.00	4.64	92.8	76.0-122	
Vinyl chloride	5.00	5.25	105	67.0-131	
o-Xylene	5.00	4.21	84.2	80.0-122	
m&p-Xylenes	10.0	8.83	88.3	80.0-122	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*94.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

L1313247-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1313247-01 02/05/21 00:13 • (MS) R3620018-4 02/05/21 06:19 • (MSD) R3620018-5 02/05/21 06:40

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	U	28.0	26.5	112	106	1	10.0-160			5.50	35
Acrolein	25.0	U	53.1	49.2	212	197	1	10.0-160	J5	J5	7.62	39
Acrylonitrile	25.0	U	27.6	27.6	110	110	1	21.0-160			0.000	32
Benzene	5.00	U	5.39	5.23	108	105	1	17.0-158			3.01	27
Bromobenzene	5.00	U	5.39	5.25	108	105	1	30.0-149			2.63	28
Bromodichloromethane	5.00	U	5.13	5.13	103	103	1	31.0-150			0.000	27
Bromoform	5.00	U	5.26	5.24	105	105	1	29.0-150			0.381	29
Bromomethane	5.00	U	4.85	4.87	97.0	97.4	1	10.0-160			0.412	38
n-Butylbenzene	5.00	U	5.30	5.47	106	109	1	31.0-150			3.16	30
sec-Butylbenzene	5.00	U	5.77	5.68	115	114	1	33.0-155			1.57	29
tert-Butylbenzene	5.00	U	5.46	5.42	109	108	1	34.0-153			0.735	28
Carbon tetrachloride	5.00	U	5.89	5.78	118	116	1	23.0-159			1.89	28
Chlorobenzene	5.00	U	5.24	5.11	105	102	1	33.0-152			2.51	27
Chlorodibromomethane	5.00	U	5.31	5.43	106	109	1	37.0-149			2.23	27

L1313247-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1313247-01 02/05/21 00:13 • (MS) R3620018-4 02/05/21 06:19 • (MSD) R3620018-5 02/05/21 06:40

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloroethane	5.00	U	5.63	5.49	113	110	1	10.0-160			2.52	30
Chloroform	5.00	U	5.17	5.18	103	104	1	29.0-154			0.193	28
Chloromethane	5.00	U	4.75	4.63	95.0	92.6	1	10.0-160			2.56	29
2-Chlorotoluene	5.00	U	5.57	5.49	111	110	1	32.0-153			1.45	28
4-Chlorotoluene	5.00	U	5.36	5.24	107	105	1	32.0-150			2.26	28
1,2-Dibromo-3-Chloropropane	5.00	U	4.66	4.64	93.2	92.8	1	22.0-151			0.430	34
1,2-Dibromoethane	5.00	U	5.24	5.14	105	103	1	34.0-147			1.93	27
Dibromomethane	5.00	U	5.03	4.97	101	99.4	1	30.0-151			1.20	27
1,2-Dichlorobenzene	5.00	U	5.24	5.08	105	102	1	34.0-149			3.10	28
1,3-Dichlorobenzene	5.00	U	5.38	5.32	108	106	1	36.0-146			1.12	27
1,4-Dichlorobenzene	5.00	U	5.31	5.30	106	106	1	35.0-142			0.189	27
Dichlorodifluoromethane	5.00	U	6.03	5.80	121	116	1	10.0-160			3.89	29
1,1-Dichloroethane	5.00	U	5.43	5.39	109	108	1	25.0-158			0.739	27
1,2-Dichloroethane	5.00	U	5.32	5.16	106	103	1	29.0-151			3.05	27
1,1-Dichloroethene	5.00	U	5.46	5.55	109	111	1	11.0-160			1.63	29
cis-1,2-Dichloroethene	5.00	U	4.75	4.84	95.0	96.8	1	10.0-160			1.88	27
trans-1,2-Dichloroethene	5.00	U	5.02	4.87	100	97.4	1	17.0-153			3.03	27
1,2-Dichloropropane	5.00	U	5.26	5.40	105	108	1	30.0-156			2.63	27
1,1-Dichloropropene	5.00	U	5.85	5.83	117	117	1	25.0-158			0.342	27
1,3-Dichloropropane	5.00	U	5.57	5.57	111	111	1	38.0-147			0.000	27
2,2-Dichloropropane	5.00	U	5.64	5.66	113	113	1	24.0-152			0.354	29
Di-isopropyl ether	5.00	U	5.23	5.22	105	104	1	21.0-160			0.191	28
Ethylbenzene	5.00	U	6.38	5.45	128	109	1	30.0-155			15.7	27
Hexachloro-1,3-butadiene	5.00	U	5.48	5.26	110	105	1	20.0-154			4.10	34
Isopropylbenzene	5.00	U	5.39	5.06	108	101	1	28.0-157			6.32	27
p-Isopropyltoluene	5.00	U	5.15	5.28	103	106	1	30.0-154			2.49	29
2-Butanone (MEK)	25.0	U	29.3	29.3	117	117	1	10.0-160			0.000	32
Methylene Chloride	5.00	U	4.76	4.66	95.2	93.2	1	23.0-144			2.12	28
4-Methyl-2-pentanone (MIBK)	25.0	U	28.5	28.3	114	113	1	29.0-160			0.704	29
Methyl tert-butyl ether	5.00	U	4.62	4.60	92.4	92.0	1	28.0-150			0.434	29
Naphthalene	5.00	U	7.81	5.13	156	103	1	12.0-156		J3	41.4	35
n-Propylbenzene	5.00	U	6.32	5.46	126	109	1	31.0-154			14.6	28
Styrene	5.00	U	4.96	5.00	99.2	100	1	33.0-155			0.803	28
1,1,1,2-Tetrachloroethane	5.00	U	5.42	4.96	108	99.2	1	36.0-151			8.86	29
1,1,2,2-Tetrachloroethane	5.00	U	5.98	6.06	120	121	1	33.0-150			1.33	28
Tetrachloroethene	5.00	U	5.62	5.35	112	107	1	10.0-160			4.92	27
Toluene	5.00	U	5.35	5.15	107	103	1	26.0-154			3.81	28
1,2,3-Trichlorobenzene	5.00	U	4.48	4.82	89.6	96.4	1	17.0-150			7.31	36
1,2,4-Trichlorobenzene	5.00	U	4.37	4.63	87.4	92.6	1	24.0-150			5.78	33
1,1,1-Trichloroethane	5.00	U	5.53	5.40	111	108	1	23.0-160			2.38	28

L1313247-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1313247-01 02/05/21 00:13 • (MS) R3620018-4 02/05/21 06:19 • (MSD) R3620018-5 02/05/21 06:40

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1,2-Trichloroethane	5.00	U	4.89	4.52	97.8	90.4	1	35.0-147			7.86	27
Trichloroethene	5.00	U	5.01	4.72	100	94.4	1	10.0-160			5.96	25
Trichlorofluoromethane	5.00	U	5.98	5.88	120	118	1	17.0-160			1.69	31
1,2,3-Trichloropropane	5.00	U	5.97	5.74	119	115	1	34.0-151			3.93	29
1,2,4-Trimethylbenzene	5.00	U	6.38	5.33	128	107	1	26.0-154			17.9	27
1,3,5-Trimethylbenzene	5.00	U	5.31	5.18	106	104	1	28.0-153			2.48	27
Vinyl chloride	5.00	U	6.53	6.53	131	131	1	10.0-160			0.000	27
o-Xylene	5.00	U	5.35	5.00	107	100	1	45.0-144			6.76	26
m&p-Xylenes	10.0	U	11.1	10.5	111	105	1	43.0-146			5.56	26
(S) Toluene-d8					*103*	*103*		*80.0-120*				
(S) 4-Bromofluorobenzene					*97.9*	*98.6*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*101*	*102*		*70.0-130*				

Method Blank (MB)

(MB) R3621266-3 02/06/21 16:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylbenzene	U		0.137	1.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3621266-2 02/06/21 15:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	5.00	5.08	102	79.0-123	
(S) Toluene-d8			*101*	*80.0-120*	
(S) 4-Bromofluorobenzene			*103*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*108*	*70.0-130*	

Method Blank (MB)

(MB) R3621334-3 02/09/21 21:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Acrolein	U		2.54	50.0
Acrylonitrile	U		0.671	10.0
Benzene	U		0.0941	1.00
Bromodichloromethane	U		0.136	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
1,2-Dibromoethane	U		0.126	1.00
Dibromomethane	U		0.122	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
1,1-Dichloropropene	U		0.142	1.00
1,3-Dichloropropane	U		0.110	1.00
2,2-Dichloropropane	U		0.161	1.00
Di-isopropyl ether	U		0.105	1.00
Ethylbenzene	U		0.137	1.00
Isopropylbenzene	U		0.105	1.00
2-Butanone (MEK)	U		1.19	10.0
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Styrene	U		0.118	1.00
1,1,1,2-Tetrachloroethane	U		0.147	1.00
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00

Method Blank (MB)

(MB) R3621334-3 02/09/21 21:50

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Vinyl chloride	U		0.234	1.00
o-Xylene	U		0.174	1.00
m&p-Xylenes	U		0.430	2.00
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3621334-1 02/09/21 20:28 • (LCSD) R3621334-2 02/09/21 20:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	32.6	30.6	130	122	19.0-160			6.33	27
Acrolein	25.0	34.5	33.4	138	134	10.0-160			3.24	26
Acrylonitrile	25.0	31.7	30.1	127	120	55.0-149			5.18	20
Benzene	5.00	5.20	4.91	104	98.2	70.0-123			5.74	20
Bromodichloromethane	5.00	5.19	4.90	104	98.0	75.0-120			5.75	20
Bromoform	5.00	5.65	5.26	113	105	68.0-132			7.15	20
Bromomethane	5.00	5.61	5.10	112	102	10.0-160			9.52	25
Carbon tetrachloride	5.00	5.75	5.46	115	109	68.0-126			5.17	20
Chlorobenzene	5.00	5.06	4.88	101	97.6	80.0-121			3.62	20
Chlorodibromomethane	5.00	5.48	5.27	110	105	77.0-125			3.91	20
Chloroethane	5.00	5.82	5.48	116	110	47.0-150			6.02	20
Chloroform	5.00	5.36	5.10	107	102	73.0-120			4.97	20
Chloromethane	5.00	5.40	5.06	108	101	41.0-142			6.50	20
1,2-Dibromoethane	5.00	5.08	4.94	102	98.8	80.0-122			2.79	20
Dibromomethane	5.00	5.03	4.94	101	98.8	80.0-120			1.81	20
Dichlorodifluoromethane	5.00	5.40	5.22	108	104	51.0-149			3.39	20
1,1-Dichloroethane	5.00	5.51	5.09	110	102	70.0-126			7.92	20
1,2-Dichloroethane	5.00	5.43	5.11	109	102	70.0-128			6.07	20
1,1-Dichloroethene	5.00	5.51	4.96	110	99.2	71.0-124			10.5	20
cis-1,2-Dichloroethene	5.00	4.75	4.59	95.0	91.8	73.0-120			3.43	20
trans-1,2-Dichloroethene	5.00	5.17	4.97	103	99.4	73.0-120			3.94	20
1,2-Dichloropropane	5.00	5.34	5.09	107	102	77.0-125			4.79	20
1,1-Dichloropropene	5.00	5.72	5.33	114	107	74.0-126			7.06	20
1,3-Dichloropropane	5.00	5.38	5.01	108	100	80.0-120			7.12	20
2,2-Dichloropropane	5.00	6.82	6.20	136	124	58.0-130	J4		9.52	20
Di-isopropyl ether	5.00	5.44	5.23	109	105	58.0-138			3.94	20
Ethylbenzene	5.00	5.10	4.81	102	96.2	79.0-123			5.85	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3621334-1 02/09/21 20:28 • (LCSD) R3621334-2 02/09/21 20:49

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Isopropylbenzene	5.00	5.02	4.63	100	92.6	76.0-127			8.08	20
2-Butanone (MEK)	25.0	32.6	30.9	130	124	44.0-160			5.35	20
Methylene Chloride	5.00	4.74	4.50	94.8	90.0	67.0-120			5.19	20
4-Methyl-2-pentanone (MIBK)	25.0	32.3	30.7	129	123	68.0-142			5.08	20
Methyl tert-butyl ether	5.00	4.52	4.36	90.4	87.2	68.0-125			3.60	20
Styrene	5.00	4.81	4.62	96.2	92.4	73.0-130			4.03	20
1,1,1,2-Tetrachloroethane	5.00	5.03	4.92	101	98.4	75.0-125			2.21	20
Tetrachloroethene	5.00	5.43	5.31	109	106	72.0-132			2.23	20
Toluene	5.00	5.13	4.86	103	97.2	79.0-120			5.41	20
1,1,1-Trichloroethane	5.00	5.57	5.13	111	103	73.0-124			8.22	20
1,1,2-Trichloroethane	5.00	4.72	4.54	94.4	90.8	80.0-120			3.89	20
Trichloroethene	5.00	5.23	4.95	105	99.0	78.0-124			5.50	20
Trichlorofluoromethane	5.00	5.80	5.29	116	106	59.0-147			9.20	20
Vinyl chloride	5.00	7.04	6.49	141	130	67.0-131	J4		8.13	20
o-Xylene	5.00	5.00	4.77	100	95.4	80.0-122			4.71	20
m&p-Xylenes	10.0	10.6	9.92	106	99.2	80.0-122			6.63	20
(S) Toluene-d8				*104*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.4*	*98.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*107*	*105*	*70.0-130*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3621642-3 02/11/21 09:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Bromobenzene	U		0.118	1.00
n-Butylbenzene	U		0.157	1.00
sec-Butylbenzene	U		0.125	1.00
tert-Butylbenzene	U		0.127	1.00
2-Chlorotoluene	U		0.106	1.00
4-Chlorotoluene	U		0.114	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Hexachloro-1,3-butadiene	U		0.337	1.00
p-Isopropyltoluene	U		0.120	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.0993	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,2,3-Trichloropropane	U		0.237	2.50
1,2,4-Trimethylbenzene	U		0.322	1.00
1,3,5-Trimethylbenzene	U		0.104	1.00
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3621642-1 02/11/21 08:44 • (LCSD) R3621642-2 02/11/21 09:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	5.00	4.70	4.58	94.0	91.6	73.0-121			2.59	20
n-Butylbenzene	5.00	5.34	5.33	107	107	73.0-125			0.187	20
sec-Butylbenzene	5.00	4.36	4.23	87.2	84.6	75.0-125			3.03	20
tert-Butylbenzene	5.00	4.40	4.30	88.0	86.0	76.0-124			2.30	20
2-Chlorotoluene	5.00	4.81	4.69	96.2	93.8	76.0-123			2.53	20
4-Chlorotoluene	5.00	4.82	4.60	96.4	92.0	75.0-122			4.67	20
1,2-Dibromo-3-Chloropropane	5.00	6.61	6.61	132	132	58.0-134			0.000	20
1,2-Dichlorobenzene	5.00	5.48	5.37	110	107	79.0-121			2.03	20
1,3-Dichlorobenzene	5.00	5.12	5.03	102	101	79.0-120			1.77	20
1,4-Dichlorobenzene	5.00	5.29	5.06	106	101	79.0-120			4.44	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3621642-1 02/11/21 08:44 • (LCSD) R3621642-2 02/11/21 09:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Hexachloro-1,3-butadiene	5.00	5.77	5.55	115	111	54.0-138			3.89	20
p-Isopropyltoluene	5.00	4.49	4.35	89.8	87.0	76.0-125			3.17	20
Naphthalene	5.00	5.51	5.58	110	112	54.0-135			1.26	20
n-Propylbenzene	5.00	4.57	4.46	91.4	89.2	77.0-124			2.44	20
1,1,2,2-Tetrachloroethane	5.00	5.45	5.47	109	109	65.0-130			0.366	20
1,2,3-Trichlorobenzene	5.00	5.72	5.65	114	113	50.0-138			1.23	20
1,2,4-Trichlorobenzene	5.00	5.62	5.70	112	114	57.0-137			1.41	20
1,2,3-Trichloropropane	5.00	5.45	5.32	109	106	73.0-130			2.41	20
1,2,4-Trimethylbenzene	5.00	4.72	4.49	94.4	89.8	76.0-121			4.99	20
1,3,5-Trimethylbenzene	5.00	4.74	4.62	94.8	92.4	76.0-122			2.56	20
(S) Toluene-d8				*101*	*99.9*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*100*	*102*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN, 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

Pace Analytical National 1313 Point Mallard Parkway SE Suite B Decatur, AL, 35601

Alabama	40160
ANSI National Accreditation Board	L2239

Pace Analytical National 660 Bercut Dr. Ste. C Sacramento, CA, 95811

California	2961	Oregon	CA300002
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Pace Analytical National 6000 South Eastern Avenue Ste 9A Las Vegas, NV, 89119

Nevada	NV009412021-1

Pace Analytical National 1606 E. Brazos Street Suite D Victoria, TX, 77901

Texas	T104704328-20-18

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Company Name/Address:
ATC Group Services LLC
2725 E. Millbrook Rd STE 121
Raleigh, NC 27604

Billing Information:

Report to: Ashley Winkelman

Email To: **ashley.winkelman@atcgs.com**

Project Description: **People's Oil**

City/State Collected: Maxton, NC

Phone: **919-872-2660**
Fax: **919-876-3958**

Client Project #

Lab Project #

Collected by (print): Ivy Johnston

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ✓Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	6200B - 40ml amber HCL	Rem./Contaminant	Sample # (lab only)
MW1	Grab	GW	-	2-1-21	1435	3	X		-01
MW2					1015				-02
MW4					1130				-03
MW5					1345				-04
MW6					1055				-05
DW1					1250				-06

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1713870

Table # F135

Acctnum: ATCRNC
Template:
Prelogin:
TSR: **Wagner**
Cooler:
Shipped Via: **Raleigh Serv**

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	2/3/21	1200	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	2/3/21	1305	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
	2/3/21	1529	

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____

Temp: 1.3-1=1.2 °C Bottles Received: 18

Date: 2/4/21 Time: 900

Condition: (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

Fedex: 9463 1618 1639

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client: ATCNNC		L1313870
Cooler Received/Opened On: 2 / 4 / 21	Temperature:	1.3
Received By: Olivia Turner		
Signature: Olivia Turner		

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?		✓	
Preservation Correct / Checked?			

ROY COOPER
Governor
MICHAEL S. REGAN
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

January 7, 2020

MEMORANDUM TO FILE

FROM: Kenneth E. Currie, Hydrogeologist
UST Section, Fayetteville Regional Office

SUBJECT: SITE CLOSURE & NO FURTHER ACTION (NFA)

Incident Name: NIC'S PIC KWIK 4 (B)

UST Number: FA-8005

Incident #: 42236

This location has an active intermediate risk incident identified by #29522. Incident #42236 was created following report of a new release on 9/16/19 and based on soil sampling data generated after a failed spill bucket test at the diesel UST. A monitoring well (MW-15) was constructed and sampled with data reported in the scheduled Groundwater Monitoring Report for 29522 which was received on 12/11/19.

Data indicates that the contaminated groundwater plume is commingled; therefore, all future monitoring and reporting will be under incident #29522 and incident #42236 is being administratively closed out effective this date of 1/7/2020.

c: Mr. Jimmy McDonald, Quality Oil Company, Inc., Rockingham, NC *(email copy)*
Mr. Randy Smith, P.G., Geological Resources, Inc., Monroe, NC *(email copy)*
Mr. Wayne Randolph, Regional Supervisor, NCDEQ-DWM-UST Section *(email copy)*
FRO Electronic Incident File #: 42236

North Carolina
Department of Environmental Quality
Underground Storage Tank
UST-10B

Printed: 2/22/2022 6:35 PM
Inspection Result: Passed
Partial Inspection: No

Inspection Date: 2/22/2022
Arrive and Depart Times: 9:40 AM-10:20 AM

Facility ID:	00-0-0000019341	**Inspector**	Pamela Harrelson
Facility Name	NIC'S PIC KWIK 4	**Insp. Type**	Compliance
Facility Address	564 N. PATTERSON ST MAXTON, NC 28364 Robeson County **Located facility, USTs onsite**	**Reason(s)**	Routine Compliance
		Location	34.743541, -79.345011
		Permit Exp.	9/30/2022
Facility Phone	(910) 844-5173		

CONTACTS

Contact Type	Contact Information
Manager since 7/1/2010	CARLON LOCKLEAR, 564 N. PATTERSON ST MAXTON, NC 28364, Phone: (919) 844-5173
Primary Operator since 5/29/2019	JIMMY MCDONALD, 203 WEST BROAD AVENUE ROCKINGHAM, NC 28379, Phone: (910) 997-3101, Email: jmcdonald@qualityoilandgas.com Trained: Yes, 5/29/2019, Training Type:Online Training
Permit Applicant since 8/19/2020	JIMMY MCDONALD, 203 WEST BROAD AVENUE ROCKINGHAM, NC 28379, Phone: (910) 997-3101, Email: jmcdonald@qualityoilandgas.com
Operator since 9/30/2013	QUALITY OIL COMPANY , PO BOX 949 LAURINBURG , NC 28353-0949, Phone: (910) 276-6045
Regulatory Operator since 4/13/1985	QUALITY OIL COMPANY (SWINK) , 203 W BROAD AVE ROCKINGHAM, NC 28379-3529, Phone: (910) 997-3101
Owner since 4/13/1985	QUALITY OIL COMPANY (SWINK) , 203 W BROAD AVE ROCKINGHAM, NC 28379-3529, Phone: (910) 997-3101

OWNERSHIP CHANGE

New Owner	Change Date	Basis	Transfer of Ownership Form (UST-15) Submitted
No			

EMERGENCY RESPONSE

Emergency response placard with emergency response operator contact information is posted in the dispensing areas if the dispensers are left on without an attendant present?	N/A

OTHER PARTICIPANTS

Name	Organization
BILL PENCE	QUALITY OIL

INSPECTOR COMMENTS

Type	Date	Comment

ADDITIONAL INSPECTOR COMMENTS
NEED TO ADD PIPING UST-23C BETWEEN DISP 3-4 & 7-8 TO CHECKLIST.

TANKS AND PIPING INFORMATION

Tanks	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
Tank ID	1 Kerosene	2 AUTO Diesel	3 Premium	4 Regular 1
TIMS Tank ID	1	2	3	4
Is tank registered?	Yes	Yes	Yes	Yes
Date tank installed	4/30/1985	4/30/1985	4/30/1985	4/30/1985

Tanks	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
Capacity of Tank in Gallons	4000	4000	4000	6000
Is tank regulated	Yes	Yes	Yes	Yes
Diameter (Inches)	64	64	64	96
Tank / Product use	Motor Fuel	Motor Fuel	Motor Fuel	Motor Fuel
Product stored in Tank	Kerosene, Kero Mix	Diesel	Gasoline, Gas Mix	Gasoline, Gas Mix
Product Detail	BLANK	BLANK	Premium	Regular
If hazardous substance, CAS# or description				
If other, description				
Tank status	Current	Current	Current	Current
Tank closure report submitted				
Date tank last operated				
Inches of product in Tank				
Compartment tank	No	No	No	No
Other compartment(s)				
Base compartment				
Manifolded tank	No	No	No	No
Manifolded with tank(s)				
Master manifold tank				
New Tank System installed in accordance with NC or MI				
Tank Construction Material (DW required after 11/1/07)	Single Wall Steel	Single Wall Steel	Single Wall Steel	Single Wall Steel
If other, description				
Tank Manufacturer/Model	Unknown	Unknown	Unknown	Unknown
If other, describe				
Tank material verified by	UST-8 with Installer Certification	UST-8 with Installer Certification	UST-8 with Installer Certification	UST-8 with Installer Certification
Date Pipe Installed	8/30/1993	11/30/1998	11/30/1998	11/30/1998
Was UST Piping Installed on or after 11/1/2007?	No	No	No	No
Piping Construction Material (DW required after 11/1/07)	Single Wall Flex	Single Wall Flex	Single Wall Flex	Single Wall Flex
If other, description				
Pipe Manufacturer/Model	Environ: GeoFlex	Environ: GeoFlex	Environ: GeoFlex	Environ: GeoFlex
If other, describe				
Pipe material verified by	Visual	Visual	Visual	Visual
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?	N/A	N/A	N/A	N/A

Tanks	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
Tank ID	5 Regular 2	006 TruckDiesel		
TIMS Tank ID	5	006		
Is tank registered?	Yes	Yes		
Date tank installed	4/30/1985	4/30/1985		
Capacity of Tank in Gallons	6000	8000		
Is tank regulated	Yes	Yes		

Tanks	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
Diameter (Inches)	96	96		
Tank / Product use	Motor Fuel	Motor Fuel		
Product stored in Tank	Gasoline, Gas Mix	Diesel		
Product Detail	Regular	BLANK		
If hazardous substance, CAS# or description				
If other, description				
Tank status	Current	Current		
Tank closure report submitted				
Date tank last operated				
Inches of product in Tank				
Compartment tank	No	No		
Other compartment(s)				
Base compartment				
Manifolded tank	No	No		
Manifolded with tank(s)				
Master manifold tank				
New Tank System installed in accordance with NC or MI				
Tank Construction Material (DW required after 11/1/07)	Single Wall Steel	Single Wall Steel/FRP		
If other, description				
Tank Manufacturer/Model	Unknown	Modern Welding: Glasteel (SW)		
If other, describe				
Tank material verified by	UST-8 with Installer Certification	UST-8 with Installer Certification		
Date Pipe Installed	11/30/1998	8/30/1993		
Was UST Piping Installed on or after 11/1/2007?	No	No		
Piping Construction Material (DW required after 11/1/07)	Single Wall Flex	Single Wall FRP		
If other, description				
Pipe Manufacturer/Model	Environ: GeoFlex	Environ: GeoFlex		
If other, describe				
Pipe material verified by	Visual	Visual		
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?	N/A	N/A		

CORROSION PROTECTION

Tank Corrosion Protection	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
DWM notified of current CP method	Yes	Yes	Yes	Yes
Integrity assessment performed after 3/1/06	Yes	Yes	Yes	Yes
CP Method 1	Impressed Current	Impressed Current	Impressed Current	Impressed Current
if other, Description				
CP Installation Date	8/30/1993	11/30/1998	11/30/1998	11/30/1998
CP Method 2				

Tank Corrosion Protection	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
if other, Description				
CP Installation Date				
Flex Connector , Piping Extensions, and/or other metal fittings Present	Elbow	Elbow	Ball Valve, Elbow	Ball Valve, Elbow
Flex connector isolated from ground	N/A	N/A	N/A	N/A
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual	Visual	Visual
if other, Description				
Submersible pump (STP) is isolated from ground	N/A	N/A	Yes	Yes
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes	Yes	Yes
Flex connector, STP and/or other metal fittings protected from corrosion	Yes	Yes	Yes	Yes
Corrosion protection method	Isolated	Isolated	Isolated	Isolated
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date	4/30/1985	4/30/1985	4/30/1985	4/30/1985
Dielectric Coating Installed (If tank installed after 12/22/88	N/A	N/A	N/A	N/A

Tank Corrosion Protection	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
DWM notified of current CP method	Yes	Yes		
Integrity assessment performed after 3/1/06	Yes	No		
CP Method 1	Impressed Current	Steel/FRP Composite		
if other, Description				
CP Installation Date	11/30/1998	8/30/1993		
CP Method 2				
if other, Description				
CP Installation Date				
Flex Connector , Piping Extensions, and/or other metal fittings Present	Ball Valve, Elbow	Elbow, Flex Connector		
Flex connector isolated from ground	N/A	Yes		
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual		
if other, Description				
Submersible pump (STP) is isolated from ground	Yes	Yes		
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes		
Flex connector, STP and/or other metal fittings protected from corrosion	Yes	N/A		
Corrosion protection method	Isolated	Isolated		
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date	4/30/1985			
Dielectric Coating Installed (If tank installed after 12/22/88	N/A	N/A		

Pipe Corrosion Protection	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
DWM notified of current CP method	Yes	Yes	Yes	Yes
CP method	Flexible	Flexible	Flexible	Flexible

Pipe Corrosion Protection	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
if other, Description				
CP Installation Date	8/30/1993	11/30/1998	11/30/1998	11/30/1998
Dielectric Coating Installed (If piping installed after 12/22/88	N/A	N/A	N/A	N/A

Pipe Corrosion Protection	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
DWM notified of current CP method	Yes	Yes		
CP method	Flexible	FRP Piping		
if other, Description				
CP Installation Date	11/30/1998	8/30/1993		
Dielectric Coating Installed (If piping installed after 12/22/88	N/A	N/A		

Dispenser Corrosion Protection	Dispenser #1(1/2)	Dispenser #2(3/4)	Dispenser #3(5/6)	Dispenser #4(7/8)
Flex Connector , Piping Extensions, and/or other metal fittings Present	Elbow	Elbow	Elbow	Elbow
Flex connector isolated from ground	N/A	N/A	N/A	N/A
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual	Visual	Visual
if other, Description				
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes	Yes	Yes
Flex Connectors, Piping extensions and/or other metal fittings protected from corrosion	Yes	Yes	Yes	Yes
Corrosion protection method	Isolated	Isolated	Isolated	Isolated
Flex connector, Piping extensions, and/or other metal fittings CP Installation Date	4/30/1998	4/30/1998	4/30/1998	4/30/1998
Source of Information for verification of corrosion protection for Riser pipe and other metal piping	Visual	Visual	Visual	Visual
if other, Description				

Dispenser Corrosion Protection	Dispenser #5(AUTO DIESEL)	Dispenser #6(K-1)	Dispenser #7(TRK 1)	Dispenser #8(TRK 2)
Flex Connector , Piping Extensions, and/or other metal fittings Present	Elbow	Elbow	Flex Connector	Flex Connector
Flex connector isolated from ground	N/A	N/A	Yes	Yes
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual	Visual	Visual
if other, Description				
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes	Yes	Yes
Flex Connectors, Piping extensions and/or other metal fittings protected from corrosion	Yes	Yes	N/A	N/A
Corrosion protection method	Isolated	Isolated	Booted	Booted
Flex connector, Piping extensions, and/or other metal fittings CP Installation Date	4/30/1998	4/30/1998		

Dispenser Corrosion Protection	Dispenser #5(AUTO DIESEL)	Dispenser #6(K-1)	Dispenser #7(TRK 1)	Dispenser #8(TRK 2)
Source of Information for verification of corrosion protection for Riser pipe and other metal piping	Visual	Visual	Visual	Visual
if other, Description				

Dispenser Corrosion Protection	Dispenser #9(TRK 3)	Dispenser #10(TRK 4)		
Flex Connector , Piping Extensions, and/or other metal fittings Present	Flex Connector	Flex Connector		
Flex connector isolated from ground	Yes	Yes		
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual		
if other, Description				
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes		
Flex Connectors, Piping extensions and/or other metal fittings protected from corrosion	N/A	N/A		
Corrosion protection method	Booted	Booted		
Flex connector, Piping extensions, and/or other metal fittings CP Installation Date				
Source of Information for verification of corrosion protection for Riser pipe and other metal piping	Visual	Visual		
if other, Description				

CP Conclusions	
CP Requirements Met?	Yes
Issues	

Impressed Current Systems	IC System # 1
Applies to Tanks	#1(1 Kerosene), #2(2 AUTO Diesel), #3(3 Premium), #4(4 Regular 1), #5(5 Regular 2)
Current Voltage (Gauge)	30.0000
Current Amperage (Gauge)	4.0000
Current Voltage (Multimeter)	
Measured Shunt Voltage (mV)	
Rectifier Shunt Factor (Amps/mV)	
Amps - Calculated	
Last three 60-day readings available	Yes
System operating properly	Yes
If no, select all that apply	
If other, describe	
Hour meter reading?	25840
Hour meter installed	Yes

CP Tests	Test #1
Applies to Tanks	#1(1 Kerosene), #2(2 AUTO Diesel), #3(3 Premium), #4(4 Regular 1), #5(5 Regular 2)
Portion of System Tested	Tanks

CP Tests	Test #1
Date of last Corrosion Protection Test	4/16/2019
CP Test Result	Pass
Was CP Test done in accordance with National Standard?	Yes
CP Tester Name	DUSTIN HENDERSON
Certificate Number	SEE042617-217
Certifying Organization	SEE
CP Testing Company Name	ENVIRO CONSULTING
CP Testing Company Phone	(704) 721-0101
As Left Voltage	28
As Left Current	6
UST7 form for last CP test submitted to DWM	Yes

SPILL PREVENTION

Has DWM been notified of spill methods?	Yes

Spill/Overfill Details	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
Is a drop tube present?	Yes	Yes	Yes	Yes
Type of Stage I vapor recovery?	Not Required	Not Required	Coaxial	Coaxial

Spill/Overfill Details	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
Is a drop tube present?	Yes	Yes		
Type of Stage I vapor recovery?	Coaxial	Not Required		

Local Fill	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
Does Tank have a Second Fill?	No	No	No	No
Spill Protection	Catchment Basin	Catchment Basin	Catchment Basin	Catchment Basin
Is spill prevention equipment provided and verified?	Yes	Yes	Yes	Yes
Manufacturer/Model	Universal Valve: 70C-XXXX-XX Series (SW)	Universal Valve: 70C-XXXX-XX Series (SW)	Universal Valve: 70C-XXXX-XX Series (SW)	Universal Valve: 70C-XXXX-XX Series (SW)
If other, describe				
Spill bucket is double-walled?	N/A	N/A	N/A	N/A
Monitoring Type (UST-6B)				
Is spill bucket interstice monitored every 30 days? (If installed before 11/1/07)				
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)	N/A	N/A	N/A	N/A
Date spill prevention provided	12/31/1994	12/31/1994	12/31/1994	12/31/1994
Last 12 monthly spill bucket checks completed and all deficiencies corrected (UST-27)?	Yes	Yes	Yes	Yes
Is spill prevention operating properly?	Yes	Yes	Yes	Yes
If No, select all that apply				
If other, describe				
O&M walkthrough inspection completed in accordance with national standard (e.g. PEI RP 900) (UST-27)?	Yes	Yes	Yes	Yes

Local Fill	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
3 Year Tightness Test Date (UST-6D/23A)	12/9/2021	12/9/2021	12/9/2021	12/9/2021
Primary Tightness Test Result (UST-6D/23A)	Pass	Pass	Pass	Pass
Secondary Tightness Test Result (UST-6D/23A)				
Tightness Testing done in accordance with a standard?	Yes	Yes	Yes	Yes

Local Fill	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
Does Tank have a Second Fill?	No	No		
Spill Protection	Catchment Basin	Catchment Basin		
Is spill prevention equipment provided and verified?	Yes	Yes		
Manufacturer/Model	Universal Valve: 70C-XXXX-XX Series (SW)	Universal Valve: 70C-XXXX-XX Series (SW)		
If other, describe				
Spill bucket is double-walled?	N/A	N/A		
Monitoring Type (UST-6B)				
Is spill bucket interstice monitored every 30 days? (If installed before 11/1/07)				
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)	N/A	N/A		
Date spill prevention provided	12/31/1994	12/31/1994		
Last 12 monthly spill bucket checks completed and all deficiencies corrected (UST-27)?	Yes	Yes		
Is spill prevention operating properly?	Yes	Yes		
If No, select all that apply				
If other, describe				
O&M walkthrough inspection completed in accordance with national standard (e.g. PEI RP 900) (UST-27)?	Yes	Yes		
3 Year Tightness Test Date (UST-6D/23A)	12/9/2021	12/9/2021		
Primary Tightness Test Result (UST-6D/23A)	Pass	Pass		
Secondary Tightness Test Result (UST-6D/23A)				
Tightness Testing done in accordance with a standard?	Yes	Yes		

OVERFILL PREVENTION

Has DWM been notified of overfill methods?	Yes

Overfill Control	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
Is overfill prevention equipment provided and verified?	Yes	Yes	Yes	Yes
Date overfill control provided	12/31/1994	12/31/1994	12/31/1994	12/31/1994

Overfill Control	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
Type of overfill equipment	Auto Shutoff Device	Auto Shutoff Device	Auto Shutoff Device	Auto Shutoff Device
Source of information for overfill control verification	UST-22A	UST-22A	UST-22A	UST-22A
If other, describe				
Manufacturer/Model	OPW: 71SO-XXXX Series (FV)	OPW: 71SO-XXXX Series (FV)	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)
If other, describe				
Is overfill control operating properly?	Yes	Yes	Yes	Yes
If No, select all that apply				
If other, describe				
Overfill check date (UST-22A)	12/9/2021	12/9/2021	12/9/2021	12/9/2021
Overfill check result (UST-22A)	Pass	Pass	Pass	Pass
Capacity of Tank in Gallons	4000	4000	4000	6000
Diameter (Inches)	64	64	64	96

Overfill Control	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
Is overfill prevention equipment provided and verified?	Yes	Yes		
Date overfill control provided	12/31/1994	12/31/1994		
Type of overfill equipment	Auto Shutoff Device	Auto Shutoff Device		
Source of information for overfill control verification	UST-22A	UST-22A		
If other, describe				
Manufacturer/Model	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)		
If other, describe				
Is overfill control operating properly?	Yes	Yes		
If No, select all that apply				
If other, describe				
Overfill check date (UST-22A)	12/9/2021	12/9/2021		
Overfill check result (UST-22A)	Pass	Pass		
Capacity of Tank in Gallons	6000	8000		
Diameter (Inches)	96	96		

Dispenser Sumps	Dispenser #1(1/2)	Dispenser #2(3/4)	Dispenser #3(5/6)	Dispenser #4(7/8)
Are containment sumps present?	Yes	Yes	Yes	Yes
Installation Date	4/30/1985	4/30/1985	4/30/1985	4/30/1985
Sump Manufacturer	Containment Solutions: Tank Sump	Containment Solutions: Tank Sump	Containment Solutions: Tank Sump	Containment Solutions: Tank Sump
If Other (Specify)				
Sump Construction Type	Single Walled	Single Walled	Single Walled	Single Walled
Sump Construction Material	Plastic	Plastic	Plastic	Plastic
If Other (Specify)				
Are containment sumps monitored?	No	Yes	No	Yes
Is monitoring required per 2N .0900?	No	Yes	No	Yes
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	Yes	No	Yes
Are spills or small weeps evident in sumps?	No	No	No	No

Dispenser Sumps	Dispenser #1(1/2)	Dispenser #2(3/4)	Dispenser #3(5/6)	Dispenser #4(7/8)
Are single wall piping components located in containment sump? (If installed after 11/1/07)		Yes		Yes
UDC Visual Inspection Date (annually)(UST-22C)	12/9/2021	12/9/2021	12/9/2021	12/9/2021
UDC Visual Inspection Results (UST-22C)	Pass	Pass	Pass	Pass
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes	Yes	Yes

Dispenser Sumps	Dispenser #5(AUTO DIESEL)	Dispenser #6(K-1)	Dispenser #7(TRK 1)	Dispenser #8(TRK 2)
Are containment sumps present?	Yes	Yes	No	No
Installation Date	4/30/1985	4/30/1985		
Sump Manufacturer	Containment Solutions: Tank Sump	Containment Solutions: Tank Sump		
If Other (Specify)				
Sump Construction Type	Single Walled	Single Walled		
Sump Construction Material	Fiberglass Reinforced Plastic	Plastic		
If Other (Specify)				
Are containment sumps monitored?	No	No		
Is monitoring required per 2N .0900?	No	No	No	No
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	No	No	No
Are spills or small weeps evident in sumps?	No	No	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)				
UDC Visual Inspection Date (annually)(UST-22C)	12/9/2021	12/9/2021	12/9/2021	12/9/2021
UDC Visual Inspection Results (UST-22C)	Pass	Pass	Pass	Pass
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes	Yes	Yes

Dispenser Sumps	Dispenser #9(TRK 3)	Dispenser #10(TRK 4)		
Are containment sumps present?	No	No		
Installation Date				
Sump Manufacturer				
If Other (Specify)				
Sump Construction Type				
Sump Construction Material				
If Other (Specify)				
Are containment sumps monitored?				
Is monitoring required per 2N .0900?	No	No		
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	No		
Are spills or small weeps evident in sumps?	No	No		

Dispenser Sumps	Dispenser #9(TRK 3)	Dispenser #10(TRK 4)		
Are single wall piping components located in containment sump? (If installed after 11/1/07)				
UDC Visual Inspection Date (annually)(UST-22C)	12/9/2021	12/9/2021		
UDC Visual Inspection Results (UST-22C)	Pass	Pass		
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes		

Other Sumps	Sump#1(AUTO DIE T.TOP)	Sump#2(KERO TANK TOP)	Sump#3(PREM STP)	Sump#4(REG-1 STP)
Are containment sumps present?	No	No	Yes	Yes
Installation Date			6/4/1986	6/4/1986
Sump Manufacturer			Containment Solutions: Tank Sump	Containment Solutions: Tank Sump
If Other (Specify)				
Sump Construction Type			Single Walled	Single Walled
Sump Construction Material			Plastic	Plastic
If Other (Specify)				
Are containment sumps monitored?			No	No
Is monitoring required per 2N .0900?	No	No	No	No
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	No	No	No
Are spills or small weeps evident in sumps?	No	No	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)				
Sump Visual Inspection Date (annually) (UST-22C)	12/9/2021	12/9/2021	12/9/2021	12/9/2021
Sump Visual Inspection Results (UST-22C)	Pass	Pass	Pass	Pass
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes	Yes	Yes

Other Sumps	Sump#5(TRK DIE STP-1)	Sump#6(REG-2 STP)	Sump#7(TRK DIE STP-2)	
Are containment sumps present?	Yes	Yes	Yes	
Installation Date	6/4/1986	6/4/1986	6/4/1986	
Sump Manufacturer	Environ: Tank Sump	Containment Solutions: Tank Sump	Environ: Tank Sump	
If Other (Specify)				
Sump Construction Type	Single Walled	Single Walled	Single Walled	
Sump Construction Material	Plastic	Plastic	Plastic	
If Other (Specify)				
Are containment sumps monitored?	No	No	No	
Is monitoring required per 2N .0900?	No	No	No	
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	No	No	
Are spills or small weeps evident in sumps?	No	No	No	

Other Sumps	Sump#5(TRK DIE STP-1)	Sump#6(REG-2 STP)	Sump#7(TRK DIE STP-2)	
Are single wall piping components located in containment sump? (If installed after 11/1/07)				
Sump Visual Inspection Date (annually) (UST-22C)	12/9/2021	12/9/2021	12/9/2021	
Sump Visual Inspection Results (UST-22C)	Pass	Pass	Pass	
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes	Yes	

SITING AND SECONDARY CONTAINMENT

Siting And Sec.Containment-General	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
UST system upgraded with corrosion protection, spill and overfill before 1/1/91?	No	No	No	No
UST system and/or piping are located within siting and secondary containment areas?	No	No	No	No

Siting And Sec.Containment-General	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
UST system upgraded with corrosion protection, spill and overfill before 1/1/91?	No	No		
UST system and/or piping are located within siting and secondary containment areas?	No	No		

LEAK DETECTION

General	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
DWM notified of leak detection method?	Yes	Yes	Yes	Yes
Piping Type				
Piping type	European Suction	European Suction	Pressurized System	Pressurized System
if other, specify				
Suction check type	Dispenser	Dispenser		
Type LLD present.	Not Required	Not Required	MLLD	MLLD
Tank Release Detection				
Primary leak detection method	Automatic Tank Gauging	Automatic Tank Gauging	Automatic Tank Gauging	Automatic Tank Gauging
if other, specify				
Primary LD install date	12/31/1994	12/31/1994	12/31/1994	12/31/1994
Secondary leak detection method				
if other, specify				
Piping Release Detection				
Primary leak detection method	Exempt (European Style)	Exempt (European Style)	Line Tightness Testing (LTT)	Line Tightness Testing (LTT)
if other, specify				
Primary LD install date	12/31/1994	12/31/1994	12/31/1994	12/31/1994
Secondary leak detection method				
if other, specify				

General	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
Equipment Checks				
Last 12 monthly RD equipment checks completed and all deficiencies corrected (UST-27)?	Yes	Yes	Yes	Yes
if no, select all that apply				
Annual RD equipment operability check result (UST-22B)	Pass	Pass	Pass	Pass
if Fail, select all that apply				
Annual RD equipment operability check date (UST-22B)	12/9/2021	12/9/2021	12/9/2021	12/9/2021
RD equipment checks completed per national standard (e.g. PEI RP 900/1200) (UST-22B/27)?	Yes	Yes	Yes	Yes

General	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
DWM notified of leak detection method?	Yes	Yes		
Piping Type				
Piping type	Pressurized System	Pressurized System		
if other, specify				
Suction check type				
Type LLD present.	MLLD	MLLD		
Tank Release Detection				
Primary leak detection method	Automatic Tank Gauging	Automatic Tank Gauging		
if other, specify				
Primary LD install date	12/31/1994	12/31/1994		
Secondary leak detection method				
if other, specify				
Piping Release Detection				
Primary leak detection method	Line Tightness Testing (LTT)	Line Tightness Testing (LTT)		
if other, specify				
Primary LD install date	12/31/1994	12/31/1994		
Secondary leak detection method				
if other, specify				
Equipment Checks				
Last 12 monthly RD equipment checks completed and all deficiencies corrected (UST-27)?	Yes	Yes		
if no, select all that apply				
Annual RD equipment operability check result (UST-22B)	Pass	Pass		
if Fail, select all that apply				
Annual RD equipment operability check date (UST-22B)	12/9/2021	12/9/2021		
RD equipment checks completed per national standard (e.g. PEI RP 900/1200) (UST-22B/27)?	Yes	Yes		

PIPING LEAK DETECTION

Pressurized Piping	Tank #3(3 Premium)	Tank #4(4 Regular 1)	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)
Last MLLD/ELLD Test Date	12/9/2021	12/9/2021	12/9/2021	12/9/2021
MLLD/ELLD Test Result	Pass	Pass	Pass	Pass
Last LTT Test Date	12/9/2021	12/9/2021	12/9/2021	12/9/2021

Pressurized Piping	Tank #3(3 Premium)	Tank #4(4 Regular 1)	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)
LTT Test Result	Pass	Pass	Pass	Pass
Does test result indicate suspected release?	No	No	No	No
Number of MLLD/ELLD Types	1	1	1	2

MLLD/ELLD Equipment	Tank #3(3 Premium) LLD #1	Tank #4(4 Regular 1) LLD #1	Tank #5(5 Regular 2) LLD #1	Tank #6(006 TruckDiesel) LLD #1
MLLD/ELLD Manufacturer/Model	V-R/RJ: FX1V (M)	V-R/RJ: FX1V (M)	V-R/RJ: FX1V (M)	V-R/RJ: FX1DV (M)
If other, describe				
MLLD/ELLD Third Party Certified?	Yes	Yes	Yes	Yes

MLLD/ELLD Equipment	Tank #6(006 TruckDiesel) LLD #2			
MLLD/ELLD Manufacturer/Model	V-R/RJ: FX1DV (M)			
If other, describe				
MLLD/ELLD Third Party Certified?	Yes			

MLLD/ELLD Testers	MLLD/ELLD Tester #1
MLLD/ELLD Tester Name	BRANDON FIPPS
MLLD/ELLD Testing Company Name	PTS, INC
MLLD/ELLD Testing Company Phone Number	(704) 619-1243

Pressurized Piping LTT	LTT #1
LTT Manufacturer/Method	AcuRite: Training & Serv
If other, describe	
LTT Third Party Certified?	Yes

Pressurized Piping LTT Tester	LTT Tester #1
LTT Tester Name	BRANDON FIPPS
LTT Testing Company Name	PTS, INC
LTT Testing Company Phone Number	(704) 619-1243

European Suction	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)
Requirements for European suction piping verified?	Yes	Yes
Source of information for European Suction verification.	UST-19	UST-19
If other, specify		

AUTOMATIC TANK GAUGE

ATG Systems	ATG #1
ATG Manufacturer/Model	V-R: TLS-350 CSLD
If other, describe	
ATG Third Party Certified?	Yes
Is ATG console operational?	Yes

ATG Systems	ATG #1
Tanks	#1(1 Kerosene), #2(2 AUTO Diesel), #3(3 Premium), #4(4 Regular 1), #5(5 Regular 2), #6(006 TruckDiesel)

ATG Monthly LD	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
2022 Feb	Pass	Pass	Pass	Pass
2022 Jan	Pass	Pass	Pass	Pass
2021 Dec	Pass	Pass	Pass	Pass
2021 Nov	Pass	Pass	Pass	Pass
2021 Oct	Pass	Pass	Pass	Pass
2021 Sep	Pass	Pass	Pass	Pass
2021 Aug	Pass	Pass	Pass	Pass
2021 Jul	Pass	Pass	Pass	Pass
2021 Jun	Pass	Pass	Pass	Pass
2021 May	Pass	Pass	Pass	Pass
2021 Apr	Pass	Pass	Pass	Pass
2021 Mar	Pass	Pass	Pass	Pass

ATG Monthly LD	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
2022 Feb	Pass	Pass		
2022 Jan	Pass	Pass		
2021 Dec	Pass	Pass		
2021 Nov	Pass	Pass		
2021 Oct	Pass	Pass		
2021 Sep	Pass	Pass		
2021 Aug	Pass	Pass		
2021 Jul	Pass	Pass		
2021 Jun	Pass	Pass		
2021 May	Pass	Pass		
2021 Apr	Pass	Pass		
2021 Mar	Pass	Pass		

ATG Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

INTERSTITIAL MONITORING AFTER 11/1/07

IM After 11/07-Dispensers	Dispenser #2(3/4)	Dispenser #4(7/8)
Manufacturer/Model of Sensor (UST-6B)	V-R: Sump Sens-Pipe 794380-208	V-R: Sump Sens-Pipe 794380-208
If other, describe		
Monitoring Type (UST-6B)	Float Sensor	Float Sensor
Sensor third party certified	Yes	Yes
Sensor Operability Check Date (annually) (UST-22B)	12/9/2021	12/9/2021
Sensor Operability Check Results (UST-22B)	Pass	Pass
Sensor < 2” off bottom	Yes	Yes
Pipe interstice open to sump (if monitored by sump sensor)	Yes	Yes

IM After 11/07-Dispensers	Dispenser #2(3/4)	Dispenser #4(7/8)
3 Year Tightness Test Date (UST-6F/23B)	9/3/2020	9/3/2020
3 Year Tightness Test Result (UST-6F/23B)	Pass	Pass

IM After 11/07-Dispenser Monthly LD	Dispenser #2(3/4)	Dispenser #4(7/8)
2022 Feb	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2022 Jan	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Dec	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Nov	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Oct	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Sep	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Aug	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Jul	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Jun	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 May	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Apr	Sensor: P Alarm: Y	Sensor: P Alarm: Y
2021 Mar	Sensor: P Alarm: Y	Sensor: P Alarm: Y

IM After 11/07-Dispenser Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

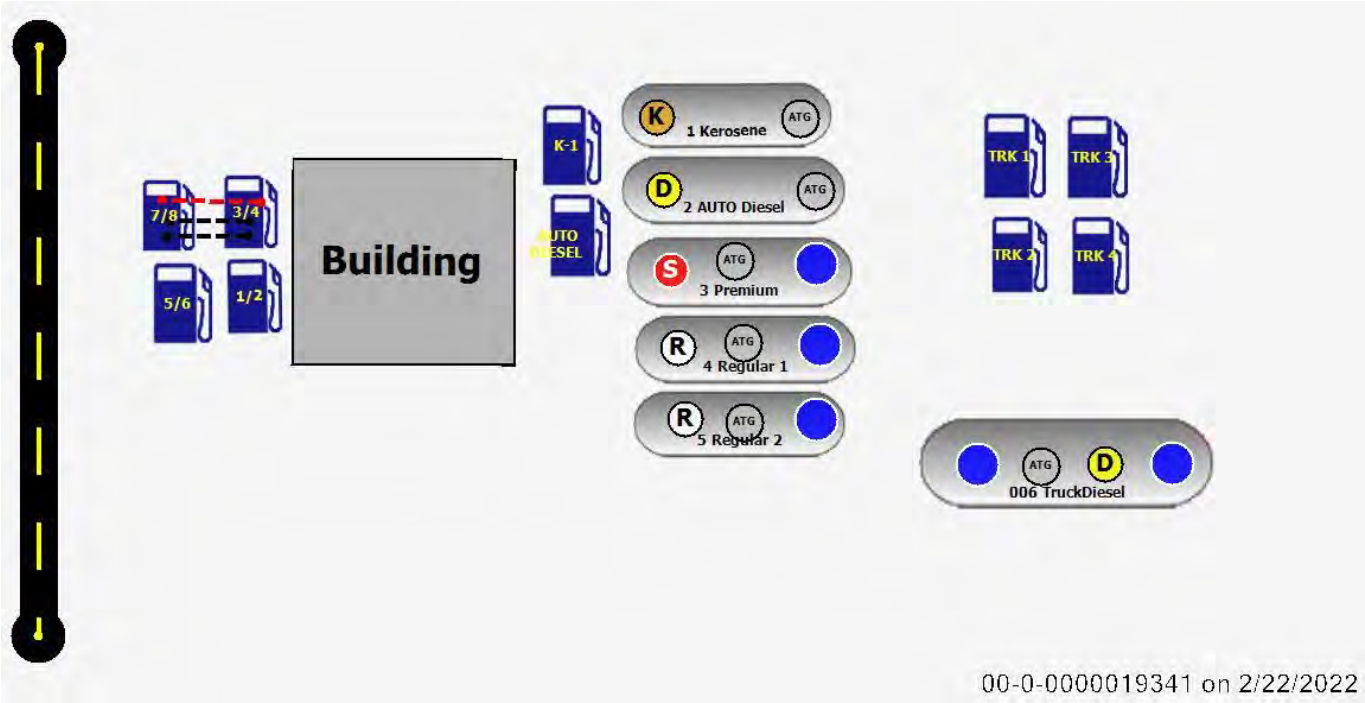
REPAIRS

Repairs	
Any Repair Issues?	No
Issues	

Delivery Information	Tank #1(1 Kerosene)	Tank #2(2 AUTO Diesel)	Tank #3(3 Premium)	Tank #4(4 Regular 1)
All deliveries made to permitted tanks	Yes	Yes	Yes	Yes

Delivery Information	Tank #5(5 Regular 2)	Tank #6(006 TruckDiesel)		
All deliveries made to permitted tanks	Yes	Yes		

SITE DIAGRAM 1



Geological Resources, Inc.

June 30, 2022

Mr. Ken Currie
NCDEQ-UST Section
Fayetteville Regional Office
Systel Building
225 Green Street, Suite 714
Fayetteville, NC 28301-5043

Re: Ground Water Monitoring Report
June 2022
Nic's Pic Kwik #4
564 N. Patterson Street
Maxton, Robeson County
North Carolina
Facility ID Number: 0-00-0000019341
Incident Number: 29522/42236
GRI Project Number: 3024

Dear Mr. Currie,

Please find attached the referenced revised, report for the above mentioned site.
If you have any questions, please contact William Regenthal at 704-845-4010.

Sincerely,
Geological Resources, Inc.

Leslie Maxtone-Graham
Administrative Assistant

Enclosure

Cc: Mr. Jimmy McDonald; Quality Oil & Gas Company. file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

Geological Resources, Inc.

Ground Water Monitoring Report
June 2022
Nic's Pic Kwik #4
564 N. Patterson Street
Maxton, Robeson County
North Carolina
Facility ID Number: 0-00-0000019341
Incident Number: 29522/42236
GRI Project Number: 3024

Prepared for:

Quality Oil & Gas Company
203 West Broad Avenue
Rockingham, North Carolina 28379

June 30, 2022

William Regenthal, P.G.
Project Manager

AJ Discepolo, GIT
Staff Scientist

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

SITE INFORMATION

1. Site Identification

2. Nic's Pic Kwik #4 (Facility ID 0-00-0000019341)
3. Incident Number 29522/42236 – Intermediate Risk (I215A)
4. Location of Source Area: 564 N. Patterson Street
   Maxton, NC 28364
   Robeson County
   34.7434722°N, 79.3456666°W (Topographical Map)

2. **Information about Contacts Associated with the Leaking UST System**

UST Owner
Quality Oil Company
203 W Broad Ave
Rockingham, NC 28379
jmcdonald@qualityoilandgas.com
910-997-3101

Property Owner
Quality Oil Company
203 W Broad Ave
Rockingham, NC 28379
jmcdonald@qualityoilandgas.com
910-997-3101

Consultant/Contractor
Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110
wlr@geologicalresourcesinc.com
704-845-4010

UST Operator
Quality Oil Company
203 W Broad Ave
Rockingham, NC 28379
jmcdonald@qualityoilandgas.com
910-997-3101

Property Occupant
Nic's Pic Kwik #4
564 N. Patterson Street
Maxton, NC 28364
Email unknown
910-844-5173

Analytical Laboratory
SGS North America, Inc.
4405 Vineland Road, Suite C-15
Orlando, FL 32811
State Certification No. 573
407-425-6700

3. Information about Release

- Release was confirmed in June 2008, and a second release on September 13, 2019
- An unknown amount of product was released from the leaking UST System
- Two 6,000-gallon gasoline USTs, one 4,000-gallon gasoline UST, one 4,000-gallon diesel UST, one 8,000-gallon diesel UST and one 4,000-gallon kerosene UST are in use at the site

EXECUTIVE SUMMARY

Nic's Pic Kwik #4 is located at 564 N. Patterson Street in Maxton, Robeson County, North Carolina. The site is currently owned by Quality Oil Company and is operated by Nic's Pic Kwik as a convenience store and petroleum retail facility. A release was documented during a Site Check conducted in June 2008. There are two 6,000-gallon gasoline, one 4,000-gallon gasoline, one 8,000-gallon diesel, one 4,000-gallon diesel and one 4,000-gallon kerosene USTs currently in use at the site with ten associated dispenser islands. The adjoining properties are a mixture of single family residential and commercial properties. According to the information determined during receptor survey activities, no potable water supply wells were identified within 1,000 feet of the site. Public water is available to the site and surrounding properties within a 1,500-foot radius of the site.

On February 26, 2019, during annual compliance testing activities, a non-passing spill bucket was reported for the 8,000-gallon diesel UST. A site check was conducted on September 4, 2019, confirming a release at the 8,000-gallon UST spill bucket. The release was assigned incident number 42236. The contaminant plumes for Incident Numbers 29522 and 42236 are commingled, and Incident Number 42236 was closed by NCDEQ in January 2020.

On June 8, 2022, nine monitoring wells (MW-2, MW-4, MW-7, MW-8, MW-9, MW-13, MW-15, MW-16 and DW-1) were gauged, purged and/or sampled. A free product thickness of 0.02 feet was measured in MW-7 and MW-2 contained insufficient water volume for sampling, therefore, these wells were not sampled. Concentrations of individual BTEX constituents, MTBE, naphthalene, TAA, TBA, TAME, isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene and/or 1,3,5-trimethylbenzene that exceeded the MACs were reported in the ground water samples collected from MW-4, MW-8, MW-9, MW-13, MW-15, MW-16 and DW-1. The concentration of benzene reported in MW-16 exceeded the GCL.

Contaminant mass at the site was not calculated during the June 2022 sampling event due to the presence of free product in MW-7.

Based on this information, the risk classification for the site should remain intermediate risk. A recovery well should be installed in the vicinity of MW-7 in order to aid in the recovery of free product. Additional AFVR or MMPE events should be conducted at the site in order to continue to recover free product and reduce the contaminant mass at the site. Semi-annual ground water monitoring should be continued at the site until ground water concentrations decrease to less than the GCLs and free product is no longer present. Following the continued reduction of contaminant mass in the vicinity of MW-7 and MW-16, a Feasibility Study for the use of continued ground water extraction and/or the introduction of surfactant injection could be completed. The next sampling event is tentatively scheduled for December 2022.

ACRONYMS

ACM: Asbestos Containing Materials

AFVR: Aggressive Fluid-Vapor Recovery

ARR: Acknowledgement of Report Receipt

AS: Air Sparging

AST: Aboveground Storage Tank

ASTM: American Society for Testing and Materials

BGS: Below Ground Surface

CAP: Corrective Action Plan

CFR: Code of Federal Regulations

CSA: Comprehensive Site Assessment

DPE: Dual Phase Extraction

DRO: Total Petroleum Hydrocarbons Diesel Range Organics

DWM: Division of Waste Management

DWR: Department of Water Resources

EPA: Environmental Protection Agency

EPH: Extractible Petroleum Hydrocarbons

ESA: Environmental Site Assessment

GCL: Gross Contamination Level

GRI: Geological Resources, Inc.

GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

HERR: HAZMAT Emergency Response and Remediation, Inc.

LSA: Limited Site Assessment

MAC: Maximum Allowable Concentration as specified in T15A NCAC 2L.0202

MADEP: Massachusetts Department of Environmental Protection

MCC: Maximum Contaminant Concentrations

MMPE: Mobile Multi-Phase Extraction

NAPL: Non-Aqueous Phase Liquid, "Free Product"

NCDEQ: North Carolina Department of Environmental Quality

NCDOT: North Carolina Department of Transportation

NFA: Notice of No Further Action

NORR: Notice of Regulatory Requirements

NOV: Notice of Violation

NPDES: National Pollutant Discharge Elimination System

NRP: Notice of Residual Petroleum

O&M: Operation and Maintenance

PAHs: Polynuclear Aromatic Hydrocarbons

PCA: Pre-Construction Assessment

RAL: Regulatory Action Level

SCLs: Soil Cleanup Level

SPCC: Spill Prevention Control and Countermeasures

SVE: Soil Vapor Extraction

SVOCs: Semi-Volatile Organic Compounds

SWPPP: Stormwater Pollution Prevention Plan

TCLP: Toxicity Characteristic Leaching Procedure (EPA Method SW-846 1311)

TOC: Top of Casing

TPH: Total Petroleum Hydrocarbons

USGS: United States Geological Survey

UST: Underground Storage Tank

UVF: Ultraviolet Fluorescence

VOCs: Volatile Organic Compounds

VPH: Volatile Petroleum Hydrocarbons

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APPENDICES

Appendix A: State Correspondence
Appendix B: Laboratory Report – Ground Water Samples

1.0 SITE HISTORY AND CHARACTERIZATION

GRI presents the results of the June 2022 ground water sampling event at the Nic's Pic Kwik #4 site; located at 564 N. Patterson Street in Maxton, Robeson County, North Carolina (**Figure 1**). These activities were conducted in accordance with GRI Proposal No. 22-383, which was submitted to NCDEQ on May 19, 2022, and was approved as Task Authorization No. 29522-18, on May 20, 2022. State correspondence has been included as **Appendix A**.

The site is currently owned by Quality Oil Company and is operated by Nic's Pic Kwik as a convenience store and petroleum retail facility. There are two 6,000-gallon gasoline, one 4,000-gallon gasoline, one 8,000-gallon diesel, one 4,000-gallon diesel and one 4,000-gallon kerosene USTs currently in use at the site. UST owner/operator information and UST system information are included as **Tables 1** and **2**, respectively. The Registered Tank Report is shown below:

NCDEQ Registered Tank Report

Facility Id	00-0-0000019341	Tank Owner	QUALITY OIL COMPANY (SWINK)
Facility Name	NIC'S PIC KWIK 4	Address	203 W BROAD AVE
Address	564 N. PATTERSON ST	City	ROCKINGHAM
City	MAXTON	State	NC
State	NC	Zip	28379-3529
County	Robeson		
Zip	28364		
Longitude	-79.345011		
Latitude	34.743541		

Tank Information

Tank Id	Product Name	Capacity	Installation Date	Perm Close Date	Tank Construction	Piping Construction	OverFill Protection	Spill Protection	Tank Status
006	Diesel	8000	4/30/1985		Single Wall Steel	Single Wall FRP	Auto Shutoff Device	Catchment Basin	Current
1	Kerosene, Kero Mix	4000	4/30/1985		Single Wall Steel	Single Wall FRP	Auto Shutoff Device	Catchment Basin	Current
2	Diesel	4000	4/30/1985		Single Wall Steel	Single Wall FRP	Ball Float Valve	Catchment Basin	Current
3	Gasoline, Gas Mix	4000	4/30/1985		Single Wall Steel	Other	Ball Float Valve	Catchment Basin	Current
4	Gasoline, Gas Mix	6000	4/30/1985		Single Wall Steel	Single Wall FRP	Ball Float Valve	Catchment Basin	Current
5	Gasoline, Gas Mix	6000	4/30/1985		Single Wall Steel	Single Wall FRP	Ball Float Valve	Catchment Basin	Current

The site and surrounding area are a mixture of single family residential, and commercial properties. The site contains two buildings (the store and a car wash) and is primarily capped with concrete and asphalt. The overall topography at the site is relatively flat.

A site compliance inspection conducted on January 18, 2006, found that the site's USTs were not being operated in compliance with North Carolina rules and statutes. A NORR dated February 12, 2007, required the existing USTs be abandoned or internally inspected to determine compliance. The tanks were internally inspected on February 28, 2007, and found to have pits and holes. The tanks were reportedly repaired and re-lined. In accordance with a NOV dated December 27, 2007, Environmental Hydrogeological Consultants (EHC) conducted a Site Check on June 9, 2008. Results indicated a release

had occurred at the site. EHC completed a LSA on November 30, 2009. The receptor survey conducted as part of the LSA did not identify any water supply wells within 250 feet of the source area and identified three non-potable water supply wells within 1,500 feet of the site. Municipal water is available to properties in the area. The site was classified as intermediate risk based on groundwater contamination exceeding GCLs. A CSA was completed by Environ-Pro, P.C. on June 5, 2014. A Site Map showing the locations of the monitoring wells and the structures on-site has been included as **Figure 2**.

A total of sixteen Type II monitoring wells (MW-1 through MW-16) and one Type III monitoring well (DW-1) were installed at the site during previous ground water assessment activities. Two 96-hour MMPE events and two 8-hour AFVR events were conducted at the site between December 2014 and January 2021, to reduce dissolved contaminant concentrations in site ground water.

Annual compliance testing activities on February 26, 2019, identified a non-passing spill bucket associated with the 8,000-gallon diesel UST. A site check was completed by GRI on September 4, 2019, which confirmed a release had occurred at the diesel spill bucket. The release was assigned the incident number 42236. The contaminant plumes for Incident Numbers 29522 and 42236 are commingled, and Incident Number 42236 was closed by NCDEQ in January 2020.

2.0 PRESENTATION OF CURRENT SITE ASSESSMENT INFORMATION/ COMPARISON TO HISTORICAL ASSESSMENT INFORMATION

On June 8, 2022, nine monitoring wells (MW-2, MW-4, MW-7, MW-8, MW-9, , MW-13, MW-15, MW-16 and DW-1) were gauged, purged and/or sampled. A free product thickness of 0.02 feet was measured in MW-7 and MW-2 contained insufficient water volume for sampling, therefore, these wells were not sampled. Depths to ground water in the Type II monitoring wells ranged from 8.28 feet to 12.33 feet below the tops of well casings. Ground water elevations in the Type II monitoring wells relative to a temporary benchmark with an assumed datum of 100.00 feet ranged from 87.18 to 91.89 feet. Ground water flow direction during the June 2022 sampling event was generally toward the northeast with a horizontal hydraulic gradient of approximately 0.05 feet per foot. The calculated vertical hydraulic gradient for paired wells MW-7 and DW-1 was 0.06 feet per foot downward. Well construction and gauging information is presented in **Table 3**. A Water Table Surface Map based on the Type II monitoring wells is included as **Figure 3**. A summary of the current ground water gauging data is shown below:

Well ID	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation (ft.)	Depth to Water from Top of Casing (ft)	Free Product Thickness (ft.)	Ground Water Elevation (ft.)
MW-2	2 - 12	12	99.83	12.21	---	87.62
MW-4	2 - 12	12	99.45	10.51	---	88.94
MW-7	5 -15	15	99.11	11.52	0.02	87.61
MW-8	5 -15	15	99.85	12.33	---	87.52
MW-9	5 -15	15	99.45	12.27	---	87.18
MW-13	5 -15	15	99.35	11.71	---	87.64
MW-15	2 - 17	17	98.97	10.90	---	88.07
MW-16	2 - 15	15	100.17	8.28	---	91.89

Well ID	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation (ft.)	Depth to Water from Top of Casing (ft)	Free Product Thickness (ft.)	Ground Water Elevation (ft.)
DW-1	40 - 45	45	99.09	13.36	---	85.73

Ground water samples collected from the existing monitoring wells were submitted for laboratory analyses of VOCs plus oxygenates using EPA Method 6200B. Concentrations of individual BTEX constituents, MTBE, naphthalene, TAA, TBA, TAME, isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene and/or 1,3,5-trimethylbenzene that exceeded the MACs were reported in the ground water samples collected from MW-4, MW-8, MW-9, MW-13, MW-15, MW-16 and DW-1. A concentration of benzene that exceeded the GCL was reported in MW-16. A summary of the analytical results for ground water samples collected on June 8, 2022, is presented in **Table 4**. A Ground Water Quality Map based on the June 2022 data is included as **Figure 4**. A contaminant specific isoconcentration map for benzene is included as **Figure 5**. A complete report of laboratory analyses of the ground water samples collected from the monitoring wells during the June 2022 sampling event has been included as **Appendix B**. A summary of the current ground water analytical data is shown below:

Contaminant of Concern → / Well ID	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
MACs (mg/l)	**1**	**600**	**600**	**500**	**20**	**6**
GCL (mg/l)	***5,000***	***260,000***	***84,500***	***85,500***	***20,000***	***6,000***
MW-2	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
MW-4	**1.34**	1.63	1.03	2.84	1.60	2.72
MW-7	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***
MW-8	**62.8**	15.5	203	346	<1.40	**88.6**
MW-9	**1.51**	7.20	1.18	6.01	0.470 J	1.19
MW-13	**1.01**	6.35	1.65	8.81	<0.140	1.44
MW-15	**8.04**	26.9	14.2	34.1	0.912 J	**49.7**
MW-16	***15,800***	**29,800**	**3,220**	**15,600**	**2,110**	**785**
DW-1	**1.44**	17.1	14.8	104	0.381 J	**61.3**

The baseline contaminant mass at the site was determined based on the total BTEX, MTBE and naphthalene concentrations from the July 2020 ground water sampling event, as well as the maximum historical water column height observed in the target area. The contaminant plume consists of one area (Area 1) based on the benzene concentrations during the July 2020 ground water sampling event. The contaminant mass was not calculated during the June 2022 sampling event due to the presence of free product in MW-7. A map of the contaminant mass areas has been included as **Figure 6**.

A CSA was completed in June 2014. A CAP has not been developed for this incident.

The site is located in the Coastal Plain Physiographic Province of North Carolina. The water table has a seasonal high depth to water of approximately 3 to 11 feet bgs.

3.0 FREE PRODUCT REMOVAL

Free product was observed in MW-7 during the June 2022 ground water sampling event. An absorbent sock was installed in MW-7 following the completion of the December 2021 sampling event. Please note, no free product had been collected by the absorbent sock in MW-7 between December and the June sampling event. The sock was returned to MW-7 after gauging in June 2022. Between 2013 and 2021, free product had not been observed in MW-7. The presence of free product is likely due to a drop in ground water elevation at the site in 2021. To date, two MMPE and two AFVR events have been completed at the site. Free product recovery information is summarized in **Tables 5** through **7**.

4.0 NATURAL ATTENUATION / NATURAL SOURCE ZONE DEPLETION STATUS

Due to the site being in an active assessment phase, no natural attenuation monitoring plan is currently in place at the site. A CAP has not yet been developed for this incident. The site risk classification is currently ranked as intermediate due to the presence of free product in MW-7 and benzene concentrations above the GCL in MW-16. If free product is removed and contaminant concentrations are reduced to less than the GCLs, then the site risk classification can be lowered.

A proposed remedial action for this incident should include the installation of a recovery well in the vicinity of MW-7. An evaluation of the enhancement of ground water extraction events with the addition of the recovery well should be conducted. If conditions are favorable for enhanced ground water extraction, additional recovery wells could be installed within the benzene GCL contaminant plume. Significant reductions in the benzene concentrations and the removal of free product should occur prior to the implementation of surfactant injection or the introduction of other contaminant reducing media. Once contaminant concentrations are significantly reduced, only then will injection be a viable remedial option for this incident. A Feasibility Study exploring the above referenced remedial options should be conducted.

5.0 CONCLUSIONS

- On June 8, 2022, a ground water sampling event was conducted. Nine monitoring wells were gauged, purged and/or sampled. Ground water flow was generally toward the northeast with a horizontal gradient of approximately 0.05 feet per foot. The vertical hydraulic gradient for paired wells MW-7 and DW-1 was 0.06 feet per foot downward.
- A free product thickness of 0.02 feet was measured in MW-7 and MW-2 contained insufficient water volume for sampling, therefore, these wells were not sampled.
- Concentrations of individual BTEX constituents, MTBE, naphthalene, TAA, TBA, TAME, isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene and/or 1,3,5-trimethylbenzene that exceeded the MACs were reported in the ground water samples collected from MW-4, MW-8, MW-9, MW-13, MW-15, MW-16 and DW-1.
- A concentration of benzene that exceeded the GCL was reported in the ground water sample collected from MW-16.
- The absorbent sock in MW-7 was unable to collect any free product between December 2021 and June 2022 due to a drop in water level. The absorbent boom was returned to MW-7 following the June 2022 gauging event.

- Contaminant mass trends were not calculated during the June 2022 sampling event due to the presence of free product in MW-7.
- Based on this information, the risk classification for the site should remain intermediate risk. A recovery well should be installed in the vicinity of MW-7 in order to aid in the recovery of free product. Additional AFVR or MMPE events should be conducted at the site in order to continue to recover free product and reduce the contaminant mass at the site. Semi-annual ground water monitoring should be continued at the site until ground water concentrations decrease to less than the GCLs and free product is no longer present. Following the continued reduction of contaminant mass in the vicinity of MW-7 and MW-16, a Feasibility Study for the use of continued ground water extraction and/or the introduction of surfactant injection could be completed. The next sampling event is tentatively scheduled for December 2022.

6.0 LIMITATIONS

This report has been prepared for the exclusive use of Quality Oil & Gas Company and the NCDEQ for specific application to the referenced site in Robeson County, North Carolina. The assessment was conducted based on the scope of work and level of effort desired by NCDEQ and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of environmental practices in the State of North Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data that are presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. In addition, the data obtained from samples would be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from these data.

7.0 STATEMENTS AND CERTIFICATION

1	**Enter the date the monitoring report was due. n/a Will this report be submitted after the established due date?**	YES	NO
2	**Was any required information from the above template missing from this report?**	YES	**NO**
	IF the answer to question #1 or# 2 is "YES", please provide additional information in this cell to explain what was missing and why.		
3	**If applicable, will any of the proposed attenuation milestones under the schedule approved in the Corrective Action Plan not be met?** *(within a reasonable margin of error)*	YES	NO
	IF the answer to question #3 is "NO", skip to the certification under #8 below. IF the answer to question #3 is "YES", please generally describe in this cell the possible reason(s) and outline proposed remedies. (This should be described in more detail in the report text above.) N/A		
4	**Does any known or suspected source zone soil contamination or free product remain outside of the assessed area that could be inhibiting natural attenuation?**	YES	**NO**

5	**Has there been an unexpected increase in contaminant mass sufficient to suggest a potential new release from a separate onsite or offsite source?**	YES	**NO**
	IF the answer to either question #4 or #5 is "YES", generally describe in this cell any actions recommended to further assess or clean up this known or suspected source. (This should be described in more detail in the report text above.)		
6	**Certification:** I, William Regenthal, a Licensed Geologist for Geological Resources, Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge. Geological Resources, Inc. is licensed to practice engineering and geology in North Carolina. The certification number of the company or corporation is C-2727/C-127.		

FIGURES

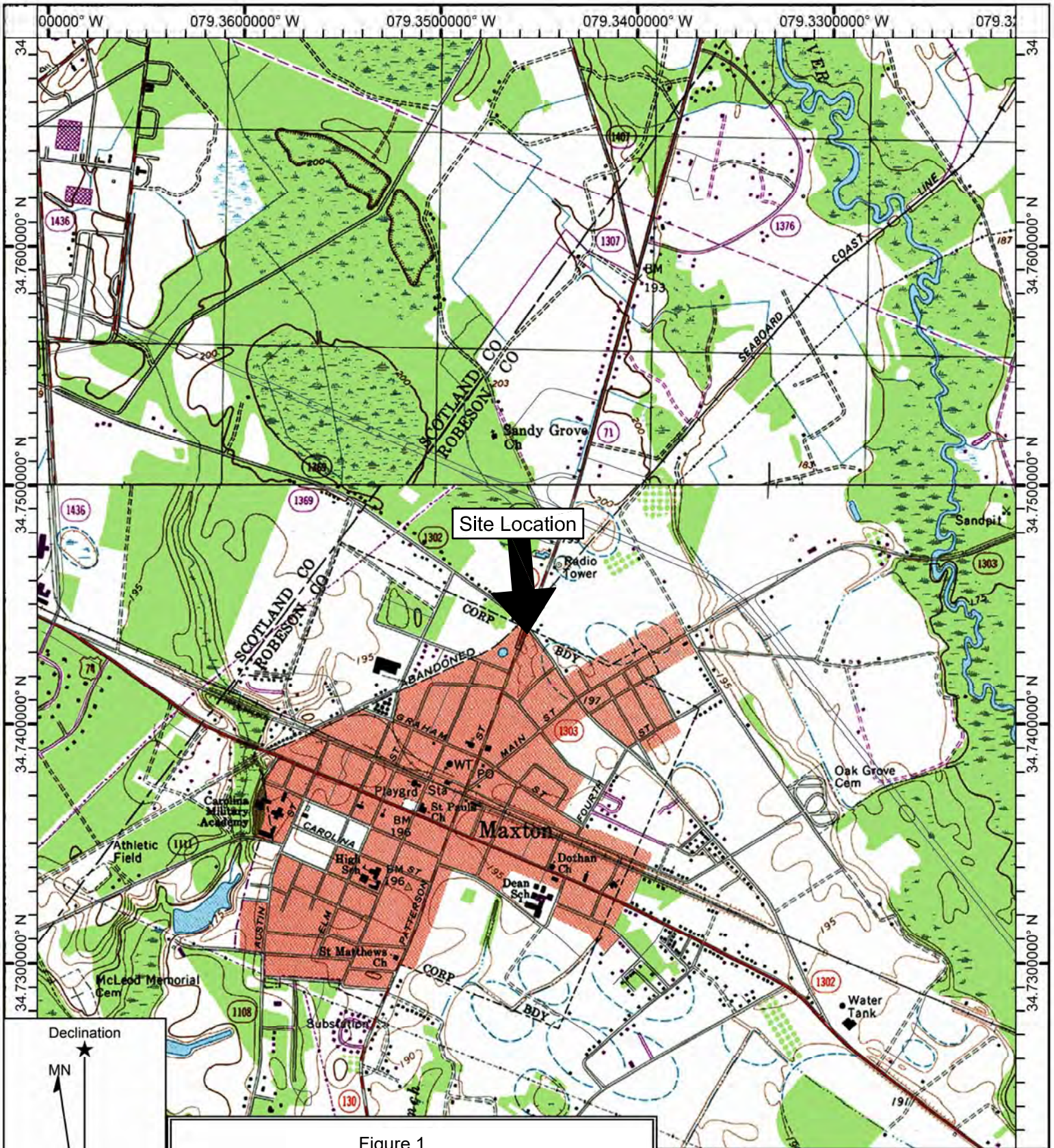


Figure 1
Nic's Pic Kwik #4
564 North Patterson Street
Maxton, North Carolina
Incident No. 29522/42236
GRI Project No. 3024

Name: Site Location Map
Date: 05/23/16
Scale: 1 inch = 2,000 ft.

Map Center Location: 034.7434722° N 079.3456666° W

Generated by Geological Resources, Inc.

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- SUBJECT PROPERTY BOUNDARY LINE
- UNDERGROUND STORAGE TANK BASIN
- FUEL DISPENSER

Note:
This Site Map is based on data from the Robeson County GIS of NC and a Site Plan dated April 23, 2013 that was prepared by Enviro-Pro.

Geological Resources, Inc.

0 25 50 100
(IN FEET)
1 inch = 50 ft

SITE MAP

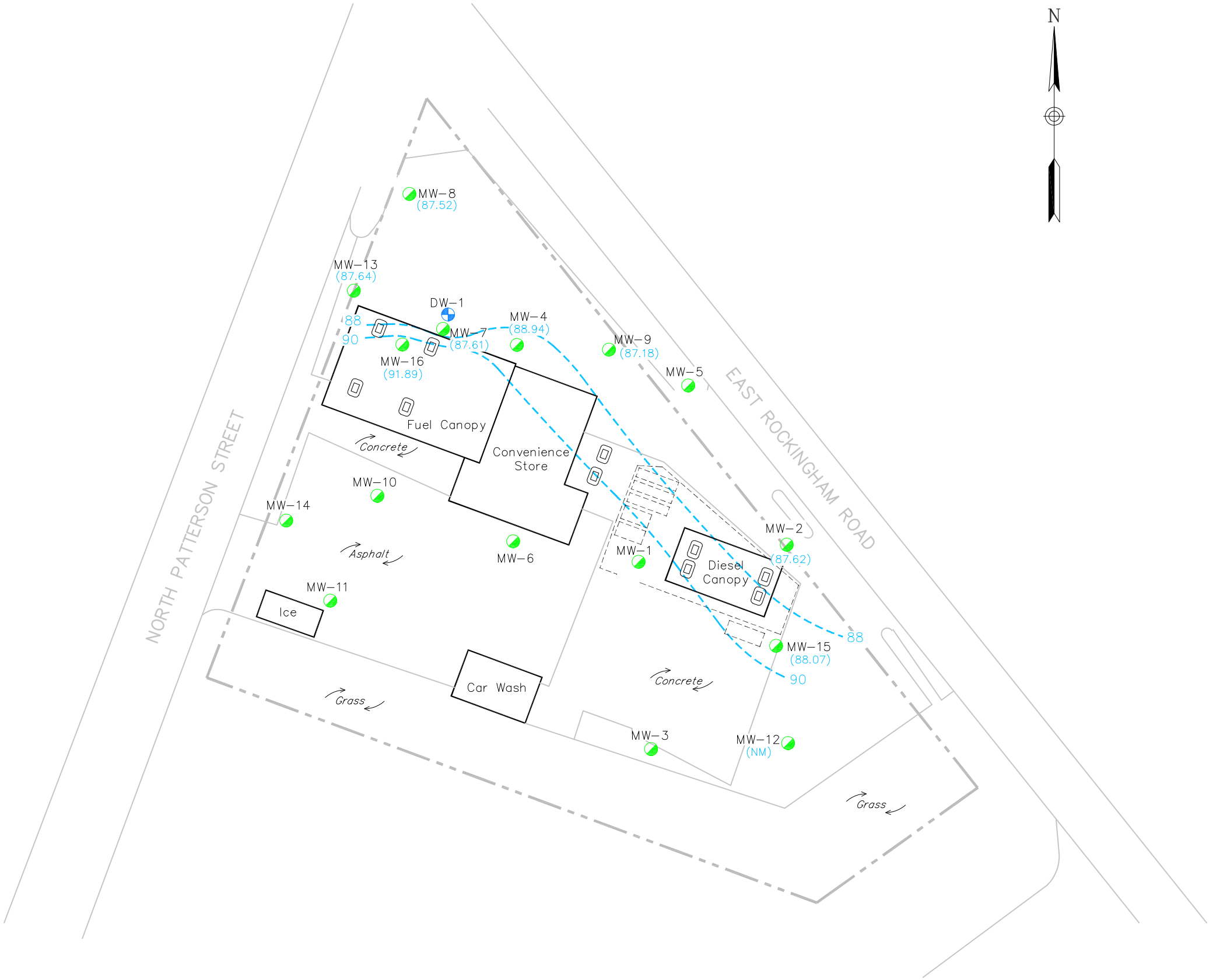
Nic's Pic Kwik #4
Incident No. 29522/42236
GRI Project No. 3024

564 North Patterson Street
Maxton, North Carolina
Robeson County

Date:	02/20/2021	Drawn by:	DTH	Figure:	2

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- SUBJECT PROPERTY BOUNDARY LINE
- UNDERGROUND STORAGE TANK BASIN
- FUEL DISPENSER
- 88 — WATER TABLE SURFACE CONTOUR
- (91.88) — GROUND WATER ELEVATION (FT.)
- (NM) — NOT MEASURED



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

WATER TABLE SURFACE MAP (06/08/2022)

Nic's Pic Kwik #4
Incident No. 29522/42236
GRI Project No. 3024

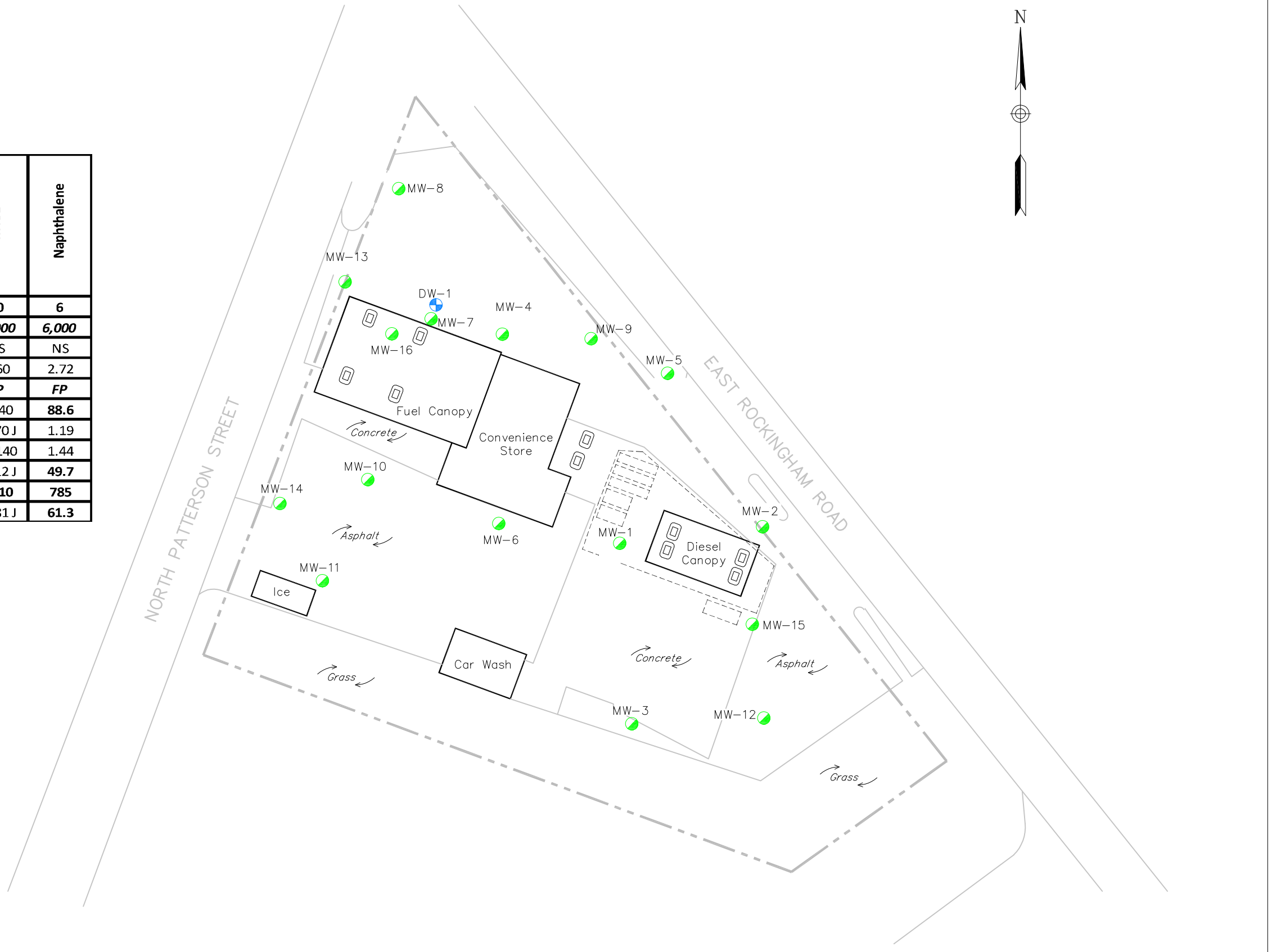
564 North Patterson Street
Maxton, North Carolina
Robeson County

Date:	06/27/2022	Drawn by:	DTH	Figure:	3

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- SUBJECT PROPERTY BOUNDARY LINE
- UNDERGROUND STORAGE TANK BASIN
- FUEL DISPENSER

Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene
Well ID	Date Collected (mm/dd/yy)						
MAC (mg/l)		1	600	600	500	20	6
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*
MW-2	06/08/22	NS	NS	NS	NS	NS	NS
MW-4	06/08/22	**1.34**	1.63	1.03	2.84	1.60	2.72
MW-7	06/08/22	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***
MW-8	06/08/22	**62.8**	15.5	203	346	<1.40	**88.6**
MW-9	06/08/22	**1.51**	7.20	1.18	6.01	0.470 J	1.19
MW-13	06/08/22	**1.01**	6.35	1.65	8.81	<0.140	1.44
MW-15	06/08/22	**8.04**	26.9	14.2	34.1	0.912 J	**49.7**
MW-16	06/08/22	***15,800***	**29,800**	**3,220**	**15,600**	**2,110**	**785**
DW-1	06/08/22	**1.44**	17.1	14.8	104	0.381 J	**61.3**



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

GROUND WATER QUALITY MAP (06/08/2022)

Nic's Pic Kwik #4
Incident No. 29522/42236
GRI Project No. 3024

564 North Patterson Street
Maxton, North Carolina
Robeson County

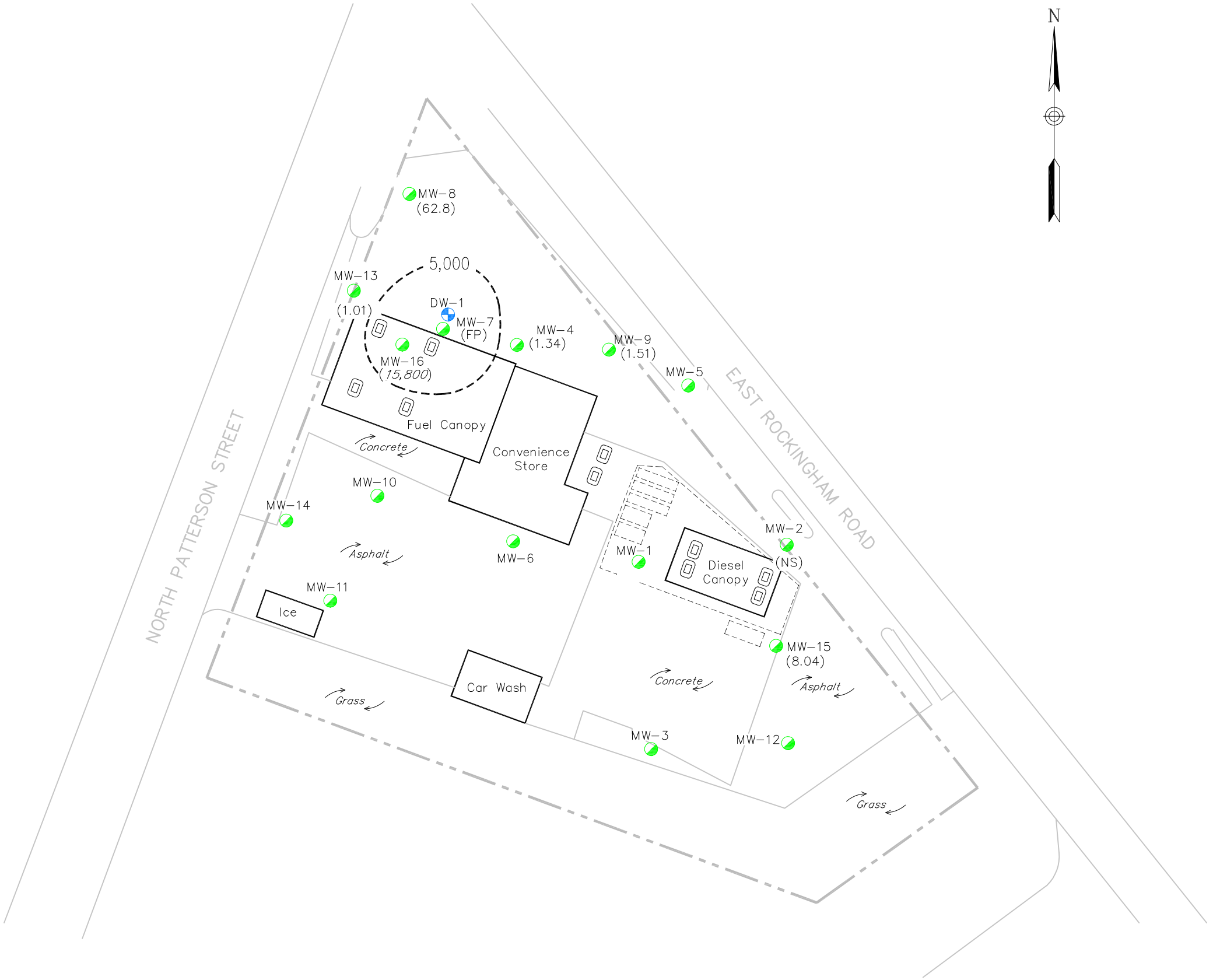
Date: 06/28/2022 | Drawn by: DTH | Figure: 4

LEGEND

◔	TYPE II MONITORING WELL
◔	TYPE III MONITORING WELL
— · —	SUBJECT PROPERTY BOUNDARY LINE
- - - - - -	UNDERGROUND STORAGE TANK BASIN
▭	FUEL DISPENSER
5,000	INFERRED BENZENE ISOCONCENTRATION CONTOUR
(668)	CONCENTRATION (µg/L)
(<0.13)	LESS THAN THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT
"J"	ESTIMATED VALUE
"E"	VALUE EXEEDS CALIBRATION RANGE.
(NS)	NOT SAMPLED
(FP)	FREE PRODUCT

CONCENTRATIONS IN BOLD FACE TYPE EXCEEDED THE MACS.

CONCENTRATIONS IN ITALICS TYPE EXCEEDED THE GCLS.



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

BENZENE ISOCONCENTRATION MAP (06/08/2022)

Nic's Pic Kwik #4
Incident No. 29522/42236
GRI Project No. 3024

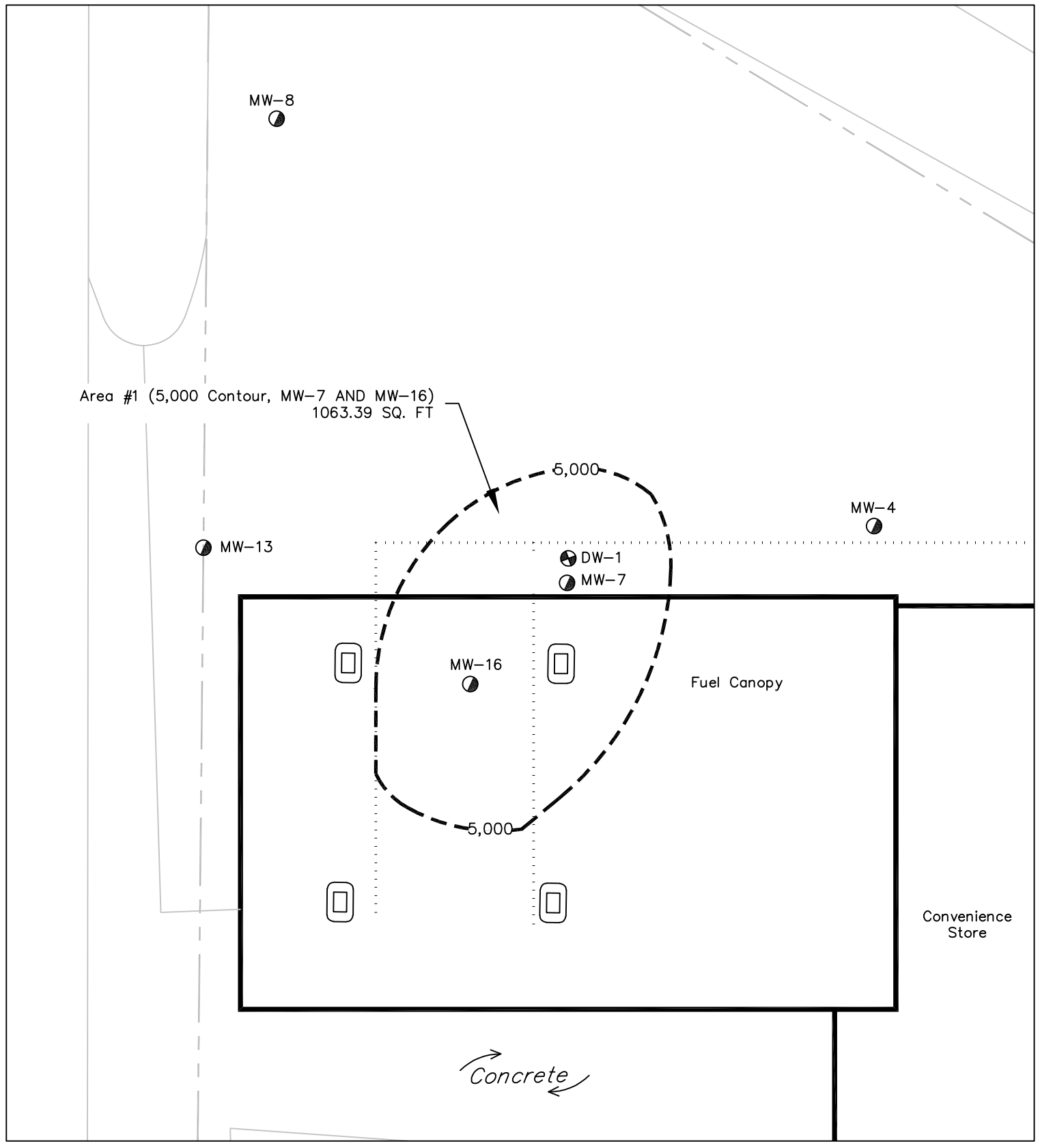
564 North Patterson Street
Maxton, North Carolina
Robeson County

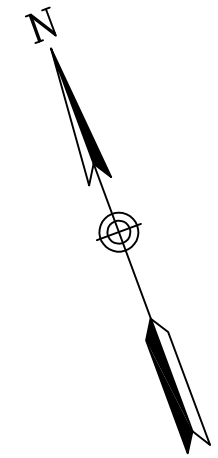
Date:	01/07/2022	Drawn by:	DTH	Figure:	5

LEGEND

- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- SUBJECT PROPERTY BOUNDARY LINE
- FUEL DISPENSER
- PRODUCT LINE

CONTAMINANT MASS AREAS BASED THE BENZENE CONCENTRATIONS IN GROUND WATER.





Geological Resources, Inc.

0 7.5 15 30

(IN FEET)
1 inch = 15 ft

ESTIMATED CONTAMINANT MASS AREA MAP (BASIS 07/31/20 DATA)

Nic's Pic Kwik #4
Incident No. 29522/42236
GRI Project No. 3024

564 North Patterson Street
Maxton, Robeson County, NC

Date:	06/04/2021	Drawn by:	DTH	Figure:	6

TABLES

TABLE 1
UST OWNER/OPERATOR INFORMATION
NIC'S PIC KWIK #4 (INCIDENT NO. 29522/42236)

UST ID Number	1 - 6	**Facility ID Number**	00-0-0000019341	
Name of Owner or Operator		**Dates of Ownership / Operation**		**Owner or Operator?**
Quality Oil Company		04/30/1985 to Present		Owner/Operator
Address			**Telephone Number**	
203 West Broad Avenue, Rockingham, NC 28379			910-997-3101	

TABLE 2
UST SYSTEM INFORMATION
NIC'S PIC KWIK #4 (INCIDENT NO. 29522/42236)

Date: 9/16/19 **Facility ID #**: 0-0019341

UST ID No.	Current or Most Recent Contents	Previous Contents	Capacity (gallons)	Date Installed	Construction Details	Tank Dimensions	Description of Associated Product Piping	Status of UST	Was Release Associated with UST System? (Yes / No)
1	Kerosene, Kero Mix	NA	4,000	4/30/1985	Single Wall Steel	64" x 24'	Single Wall FRP	Current	No
2	Diesel	NA	4,000	4/30/1985	Single Wall Steel	64" x 24'	Single Wall FRP	Current	No
3	Gasoline, Gas Mix	NA	4,000	4/30/1985	Single Wall Steel	64" x 24'	Other	Current	No
4	Gasoline, Gas Mix	NA	6,000	4/30/1985	Single Wall Steel	8' x 16'	Single Wall FRP	Current	No
5	Gasoline, Gas Mix	NA	6,000	4/30/1985	Single Wall Steel	8' x 16'	Single Wall FRP	Current	No
6	Diesel	NA	8,000	4/30/1985	Single Wall Steel	8' x 21.3'	Single Wall FRP	Current	Yes

TABLE 3
WELL CONSTRUCTION AND GAUGING INFORMATION
NIC's PIC KWIK #4 (INCIDENT NO. 29522/42236)

Date: 06/27/22 **Facility ID#:** 00-0-0000019341

Well ID	Date Installed (mm/dd/yy)	Date Water Level Measured (mm/dd/yy)	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft. BGS)	Bottom of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing (ft.)	Free Product Thickness** (ft.)	Ground Water Elevation* (ft.)	Comments
MW-1	10/22/08	04/17/13	3	3 - 13	13	99.47	5.83	0	93.64	
		01/19/15					5.13	0	94.34	
		05/18/15					4.62	0	94.85	
		05/10/16					3.79	0	95.68	
		05/01/17					4.24	0	95.23	
		05/21/18					6.76	0	92.71	
		11/28/18					2.68	0	96.79	
		11/20/19					NM	NM	NM	Obstruction
		05/04/21					NM	NM	NM	Obstruction
MW-2	02/23/11	04/17/13	2	2 - 12	12	99.83	7.11	0	92.72	
		01/19/15					4.34	0	95.49	
		05/18/15					6.09	0	93.74	
		11/28/18					3.79	0	96.04	
		11/20/19					10.40	0	89.43	
		05/04/21					5.78	0	94.05	
		12/06/21					11.95	0	87.88	
		06/08/22					12.21	0	87.62	
MW-3	02/23/11	04/17/13	2	2 - 12	12	98.57	3.28	0	95.29	
		01/19/15					2.39	0	96.18	
		05/18/15					3.98	0	94.59	
		11/28/18					2.40	0	96.17	
		11/20/19					7.90	0	90.67	
MW-4	06/07/11	04/17/13	2	2 - 12	12	99.45	5.34	0	94.11	
		01/19/15					5.74	0	93.71	
		05/18/15					4.43	0	95.02	
		11/28/18					2.70	0	96.75	
		11/20/19					8.77	0	90.68	
		05/04/21					3.68	0	95.77	
		12/06/21					10.95	0	88.50	
		06/08/22					10.51	0	88.94	
MW-5	06/07/11	04/17/13	5	5 - 20	20	100.33	7.52	0	92.81	
		01/19/15					NM	NM	NM	Not found
		05/18/15					6.73	0	93.60	
		05/10/16					4.99	0	95.34	
		05/01/17					5.56	0	94.77	
		05/21/18					7.25	0	93.08	
		11/28/18					NM	NM	NM	Not found
		11/20/19					NM	NM	NM	Not found
MW-6	02/23/11	04/17/13	5	5 - 20	20	99.33	4.76	0	94.57	
		01/19/15					4.73	0	94.60	
		05/18/15					4.11	0	95.22	
		05/10/16					4.42	0	94.91	
		11/28/18					2.71	0	96.62	
		11/20/19					6.99	0	92.34	
MW-7	04/11/13	04/17/13	5	5 - 15	15	99.11	4.95	0	94.16	
		12/15/14					7.42	0	91.69	Before MMPE Event
		12/19/14					9.54	0	89.57	After MMPE Event
		01/19/15					4.72	0	94.39	
		04/13/15					3.45	0	95.66	Before MMPE Event
		04/17/15					7.00	0	92.11	After MMPE Event
		05/18/15					4.44	0	94.67	
		05/10/16					4.22	0	94.89	
		05/01/17					4.44	0	94.67	
		05/21/18					6.16	0	92.95	
		10/23/18					4.31	0	94.80	Before AFVR Event
		10/23/18					8.37	0	90.74	After AFVR Event
		11/28/18					3.83	0	95.28	
		11/20/19					8.56	0	90.55	
		07/31/20					3.10	0	96.01	
		01/26/21					2.83	0	96.28	Before AFVR Event
		01/26/21					5.08	0	94.03	After AFVR Event
		05/04/21					3.27	0	95.84	
		12/06/21					12.55	0.10	86.65	
		03/17/22					9.70	0.00	89.41	
		06/08/22					11.52	0.02	87.61	

TABLE 3
WELL CONSTRUCTION AND GAUGING INFORMATION
NIC's PIC KWIK #4 (INCIDENT NO. 29522/42236)

Date: 06/27/22 **Facility ID#:** 00-0-0000019341

Well ID	Date Installed (mm/dd/yy)	Date Water Level Measured	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft.	Bottom of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing	Free Product Thickness** (ft.)	Ground Water Elevation* (ft.)	Comments
MW-8	04/11/13	04/17/13	5	5 - 15	15	99.85	6.60	0	93.25	
		01/19/15					4.56	0	95.29	
		05/18/15					5.51	0	94.34	
		05/01/17					5.04	0	94.81	
		05/21/18					6.58	0	93.27	
		11/28/18					3.55	0	96.30	
		11/20/19					9.74	0	90.11	
		05/04/21					4.23	0	95.62	
		12/06/21					13.35	0	86.50	
		06/08/22					12.33	0	87.52	
MW-9	04/11/13	04/17/13	5	5 - 15	15	99.45	6.64	0	92.81	
		01/19/15					4.26	0	95.19	
		05/18/15					5.41	0	94.04	
		11/28/18					3.50	0	95.95	
		11/20/19					9.91	0	89.54	
		05/04/21					3.83	0	95.62	
		12/06/21					13.15	0	86.30	
		06/08/22					12.27	0	87.18	
MW-10	04/11/13	04/17/13	5	5 - 15	15	99.36	5.32	0	94.04	
		01/19/15					4.51	0	94.85	
		05/18/15					NM	NM	NM	Destroyed
MW-11	04/11/13	04/17/13	5	5 - 15	15	98.68	5.26	0	93.42	
		01/19/15					2.78	0	95.90	
		05/18/15					4.14	0	94.54	
		11/28/18					2.27	0	96.41	
		11/20/19					5.66	0	93.02	
MW-12	04/11/13	04/17/13	5	5 - 15	15	98.93	5.95	0	92.98	
		01/19/15					3.80	0	95.13	
		05/18/15					4.81	0	94.12	
		11/28/18					NM	NM	NM	Inaccessible
		11/20/19					9.60	0	89.33	
		05/04/21					3.88	0	95.05	
		12/06/21					NM	NM	NM	Compromised
MW-13	04/11/13	07/30/13	5	5 - 15	15	99.35	4.20	0	95.15	
		12/15/14					7.39	0	91.96	Before MMPE Event
		12/19/14					10.08	0	89.27	After MMPE Event
		01/19/15					3.69	0	95.66	
		04/13/15					4.00	0	95.35	Before MMPE Event
		04/17/15					5.57	0	93.78	After MMPE Event
		05/18/15					5.12	0	94.23	
		05/10/16					3.60	0	95.75	
		05/01/17					4.24	0	95.11	
		05/21/18					5.07	0	94.28	
		11/28/18					3.54	0	95.81	
		11/20/19					7.82	0	91.53	
		05/04/21					3.72	0	95.63	
		12/06/21					12.60	0	86.75	
		06/08/22					11.71	0	87.64	
MW-14	07/18/13	07/30/13	5	5 - 15	15	99.37	3.40	0	95.97	
		01/19/15					3.24	0	96.13	
		05/18/15					3.90	0	95.47	
		11/28/18					2.23	0	97.14	
		11/20/19					5.31	0	94.06	
		05/04/21					NM	NM	NM	Damaged
MW-15	11/20/19	11/20/19	2	2 - 17	17	98.97	11.44	0	87.53	
		05/04/21					4.11	0	94.86	
		12/06/21					12.70	0	86.27	
		06/08/22					10.90	0	88.07	
MW-16	01/11/21	01/26/21	2	2 - 15	15	100.17	2.81	0.45	97.75	Before AFVR Event
		01/26/21					4.74	0	95.43	After AFVR Event
		05/04/21					3.70	0	96.47	
		12/06/21					8.85	0	91.32	
		03/17/22					7.34	0	92.83	
		06/08/22					8.28	0	91.89	

TABLE 3
WELL CONSTRUCTION AND GAUGING INFORMATION
NIC's PIC KWIK #4 (INCIDENT NO. 29522/42236)

Date: 06/27/22 **Facility ID#:** 00-0-0000019341

Well ID	Date Installed (mm/dd/yy)	Date Water Level Measured	Well Casing Depth (ft. BGS)	Screened Interval (x to y ft.	Bottom of Well (ft. BGS)	Top of Casing Elevation* (ft.)	Depth to Water from Top of Casing	Free Product Thickness** (ft.)	Ground Water Elevation* (ft.)	Comments
DW-1	07/18/13	07/30/13	40	40 - 45	45	99.09	7.31	0	91.78	
		01/19/15					5.20	0	93.89	
		05/18/15					8.08	0	91.01	
		05/10/16					6.63	0	92.46	
		05/01/17					7.33	0	91.76	
		05/21/18					9.50	0	89.59	
		11/28/18					4.88	0	94.21	
		11/20/19					11.54	0	87.55	
		05/04/21					6.89	0	92.20	
		12/06/21					14.10	0	84.99	
		06/08/22					13.36	0	85.73	
TMW-1	07/30/20	---	0	0 - 15	15	NM	NM	0	NM	Abandoned
TMW-2	07/30/20	---	0	0 - 15	15	NM	NM	0	NM	Abandoned
TMW-3	07/30/20	---	0	0 - 15	15	NM	NM	0	NM	Abandoned
TMW-4	07/30/20	---	0	0 - 15	15	NM	NM	0	NM	Abandoned
TMW-5	07/30/20	---	0	0 - 15	15	NM	NM	0	NM	Abandoned
TMW-6	07/30/20	---	0	0 - 15	15	NM	NM	0	NM	Abandoned
TMW-7	07/30/20	---	0	0 - 15	15	NM	NM	0	NM	Abandoned

Notes:

- * : Reference point for elevation measurements, elevations relative to a temporary benchmark with an assumed elevation 100.00 ft.
- ** : If free product is present in a well, ground water should be calculated by: [Top of Casing Elevation - Depth to Water] + [free product thickness x 0.8581]
- ft. BGS : feet below ground surface
- Well construction information, well elevations and 2013 water levels from Table 4 in the Comprehensive Site Assessment Report, dated June 5, 2013, prepared by Env
- NM: Not measured.

TABLE 4
SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS
NIC's PIC KWIK #4 (INCIDENT NO. 29522/42236)

Date: 06/27/22 **Facility ID #:** 00-0-0000019341

Analytical Methods →		EPA Methods 6200B & 602													
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	tert-Amyl alcohol (TAA)	tert-Butyl alcohol (TBA)	n-Butylbenzene	1,2-Dichloroethane	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
Well ID	Date Collected (mm/dd/yy)														
MAC (mg/l)		1	600	600	500	20	6	40	10	70	0.4	70	70	400	400
GCL (mg/l)		*5,000*	*260,000*	*80,000*	*50,000*	*20,000*	*6,000*	*40,000*	*10,000*	*5,900*	*400*	*30,500*	*26,100*	*28,500*	*24,100*
MW-1	04/17/13	**1,000**	36	190	232	**180**	**120**	NR	NR	BDL	BDL	22	65	**440**	130
	01/19/15	**695**	21.6	163	190.8	**69.6**	**135**	NR	NR	11.1 J	<2.5	27.3	**82.7**	**427**	122
	05/19/15	**743**	22.9	164	146	**86.2**	**149**	NR	NR	11.5	<0.82	30.5	**77.7**	256	91.9
	05/10/16	**811**	21.2	145	117	**60.2**	**132**	NR	NR	10.1 J	<3.1	23.9	66.8	231	70.4
	05/01/17	**130**	5.0	107	133	9.6	**128**	NR	NR	13.3	<0.63	29.4	**95.2**	**520**	170
	05/21/18	**443**	9.9	90.0	85.1	19.5	**98.1**	NR	NR	12.9	<1.3	24.9	67.6	371	127
	11/28/18	**534**	9.1 J	66.2	26.1 J	15.6	**33.3**	**554**	**122 J**	2.5 J	<2.5	9.1 J	19.3	39.3	19.8
	11/20/19	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	04/17/13	BDL	BDL	BDL	BDL	BDL	BDL	NR	NR	BDL	BDL	BDL	BDL	BDL	BDL
	01/19/15	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	NR	NR	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	05/19/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	NR	NR	<0.14	<0.16	<0.12	<0.16	<0.14	<0.14
	11/28/18	0.18 J	<0.13	<0.13	<0.25	0.40 J	1.1	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/20/19	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	05/04/21	<0.13	0.20 J	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	12/06/21	**2.6**	<0.16	5.8	0.16 J	0.17 J	**17.8**	<2.0	<2.0	0.45 J	<0.13	2.3	2.8	0.15 J	<0.13
	06/08/22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	04/17/13	BDL	BDL	BDL	BDL	BDL	BDL	NR	NR	BDL	BDL	BDL	BDL	BDL	BDL
	01/19/15	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	NR	NR	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	05/19/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	NR	NR	<0.14	<0.16	<0.12	<0.16	<0.14	<0.14
	11/28/18	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/20/19	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
MW-4	04/17/13	**1,900**	**1,100**	**1,100**	**1,500**	**500**	**600**	NR	NR	33	**43**	52	**180**	**590**	81
	01/19/15	**102**	3.5	129	21.5	**42.0**	**216**	NR	NR	2.4 J	<0.50	13.1	31.6	12.6	1.8 J
	05/19/15	**15.8**	1.0	17.5	3.6	**32.7**	**122**	NR	NR	1.3	<0.16	3.2	5.9	4.3	1.2
	05/10/16	NS	NS	NS	NS	NS	NS	NR	NR	NS	NS	NS	NS	NS	NS
	11/28/18	**25.5**	2.3	19.0	4.6	9.2	**21.7**	**184**	**87.9**	0.45 J	<0.13	2.3	4.5	2.1	2.5
	11/20/19	**4.1**	0.51	1.5	0.83 J	5.6	**18.9**	**61**	**41.9**	0.68	<0.13	0.53	0.97	0.20 J	<0.13
	05/04/21	0.88	2.5	0.24 J	0.36 J	5.7	1	17.7	**28**	<0.13	<0.13	0.21 J	0.28 J	<0.13	<0.13
	12/06/21	**2.8**	0.60	1.6	2.4	<0.13	4.5	**57.2**	**33.6**	<0.13	<0.13	0.23 J	0.44 J	<0.13	<0.13
	06/08/22	**1.34**	1.63	1.03	2.84	1.60	2.72	25.4	**18.1**	<0.180	<0.150	0.337 J	0.366 J	1.10	0.329 J

TABLE 4
SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS
NIC's PIC KWIK #4 (INCIDENT NO. 29522/42236)

Date: 06/27/22 **Facility ID #**: 00-0-0000019341

Analytical Methods →		EPA Methods 6200B & 602													
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	tert-Amyl alcohol (TAA)	tert-Butyl alcohol (TBA)	n-Butylbenzene	1,2-Dichloroethane	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
Well ID	**Date Collected** (mm/dd/yy)														
MAC (mg/l)		**1**	**600**	**600**	**500**	**20**	**6**	**40**	**10**	**70**	**0.4**	**70**	**70**	**400**	**400**
MW-5	04/17/13	**1.9**	BDL	BDL	BDL	4.9	0.89	NR	NR	1.1	BDL	0.97	BDL	BDL	BDL
	01/19/15	NS	NS	NS	NS	NS	NS	NR	NR	NS	NS	NS	NS	NS	NS
	05/19/15	3.3	<0.17	0.50	<0.43	6.3	1.5	NR	NR	1.9	<0.16	1.5	2.9	1.6	0.20 J
	05/10/16	0.39 J	<0.13	<0.13	<0.31	3.2	<0.13	NR	NR	0.5	<0.13	0.37 J	0.22 J	0.22 J	<0.13
	05/01/17	0.5	<0.13	<0.13	<0.25	2.4	<0.13	NR	NR	0.49 J	<0.13	0.29 J	0.25 J	<0.13	<0.13
	05/21/18	<0.13	<0.13	<0.13	<0.26	1.3	<0.13	NR	NR	<0.13	<0.13	0.24 J	<0.13	<0.13	<0.13
	11/28/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	04/17/13	BDL	BDL	BDL	BDL	0.62	BDL	NR	NR	BDL	BDL	BDL	BDL	BDL	BDL
	01/19/15	<0.10	<0.10	<0.10	<0.20	0.19 J	<0.10	NR	NR	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	05/19/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	NR	NR	<0.14	<0.16	<0.12	<0.16	<0.14	<0.14
	05/10/16	<0.13	<0.13	<0.13	<0.31	<0.13	<0.13	NR	NR	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/28/18	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/20/19	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
MW-7	04/17/13	***15,000***	**31,000**	**2,800**	**14,700**	**9,300**	**370**	NR	NR	**140**	BDL	**110**	**270**	**2,300**	**590**
	01/19/15	***8,630***	**19,200**	**2,090**	**10,940**	**4,620**	**389**	NR	NR	<50	<50	**112 J**	**301**	**1,990**	**512**
	05/19/15	***8,800***	**16,100**	**2,090**	**9,920**	**1,580**	**596**	NR	NR	<72	<82	**117 J**	**309**	**2,170**	**562**
	05/10/16	***11,700***	**17,300**	**3,230**	**15,500**	**1,730**	**911**	NR	NR	**109 J**	<31	**194**	**596**	**4,250**	**1,110**
	05/01/17	***9,640***	**13,700**	**2,390**	**11,400**	**731**	**2,560**	NR	NR	<63	<63	**97.3 J**	**322**	**2,580**	**626**
	05/21/18	***11,200***	**24,100**	**6,110**	**28,300**	**1,490**	**1,870**	NR	NR	**380**	<31	**503**	**1,740**	**10,800**	**3,280**
	11/28/18	***10,500***	**22,400**	**2,820**	**14,300**	**1,160**	**632**	**11,200**	<1,000	<63	<63	**112 J**	**357**	**2,810**	**705**
	11/20/19	***12,800***	**24,300**	**3,450**	**16,200**	**1,670**	**854**	**24,400**	<1,000	<63	<63	**142 J**	**404**	**3,150**	**867**
	07/31/20	***9,160***	**17,700**	**3,090**	**15,700**	**623**	**779**	NR	NR	NR	NR	NR	NR	NR	NR
	01/26/21	***7,450***	**10,800**	**2,650**	**12,500**	<31	**662**	NR	NR	NR	NR	NR	NR	NR	NR
	05/04/21	***6,530***	**9,120**	**2,110**	**10,000**	<63	**562**	**6,110**	<1,000	<63	<63	**98.0 J**	**272**	**2,260**	**645**
	12/06/21	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***
	03/17/22	***8,710***	**23,300**	**2,740**	**13,700**	<130	**547**	NR	NR	NR	NR	NR	NR	NR	NR
	06/08/22	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***	***FP***
MW-8	04/17/13	BDL	BDL	BDL	BDL	BDL	BDL	NR	NR	BDL	BDL	BDL	BDL	BDL	BDL
	01/19/15	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	NR	NR	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	05/19/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	NR	NR	<0.14	<0.16	<0.12	<0.16	<0.14	<0.14
	05/01/17	<0.13	<0.13	<0.13	<0.25	<0.13	0.16 J	NR	NR	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	05/21/18	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	NR	NR	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/28/18	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/20/19	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	05/04/21	<0.13	0.23 J	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	12/06/21	0.7	3.4	0.99	3.8	<0.13	0.46 J	<2.0	<2.0	<0.13	<0.13	<0.13	0.27 J	0.9	0.40 J
	06/08/22	**62.8**	15.5	203	346	<1.40	**88.6**	**157**	<16.0	9.00	<1.50	17.8	64.5	363	115

TABLE 4
SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS
NIC's PIC KWIK #4 (INCIDENT NO. 29522/42236)

Date: 06/27/22 **Facility ID #**: 00-0-0000019341

Analytical Methods →		EPA Methods 6200B & 602													
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	tert-Amyl alcohol (TAA)	tert-Butyl alcohol (TBA)	n-Butylbenzene	1,2-Dichloroethane	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
Well ID	**Date Collected** (mm/dd/yy)														
MAC (mg/l)		**1**	**600**	**600**	**500**	**20**	**6**	**40**	**10**	**70**	**0.4**	**70**	**70**	**400**	**400**
MW-9	04/17/13	BDL	BDL	BDL	BDL	1.0	BDL	NR	NR	BDL	BDL	BDL	BDL	BDL	BDL
	01/19/15	<0.10	<0.10	<0.10	<0.20	1.0	0.19 J	NR	NR	0.11 J	<0.10	0.38 J	0.27 J	<0.10	<0.10
	05/19/15	<0.17	<0.17	<0.15	<0.43	1.5	<0.12	NR	NR	<0.14	<0.16	<0.12	<0.16	<0.14	<0.14
	11/28/18	<0.13	0.28 J	<0.13	<0.25	0.67	<0.13	<2.0	4.3 J	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/20/19	<0.13	0.15 J	<0.13	<0.25	0.62	<0.13	<2.0	<2.0	<0.13	<0.13	0.24 J	<0.13	<0.13	<0.13
	05/04/21	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	0.17 J	<0.13	<0.13	<0.13
	12/06/21	<0.13	0.40 J	<0.13	0.14 J	0.46 J	0.30 J	<2.0	<2.0	<0.13	<0.13	0.22 J	<0.13	<0.13	<0.13
	06/08/22	**1.51**	7.20	1.18	6.01	0.470 J	1.19	<1.90	<1.60	<0.180	<0.150	0.411 J	0.268 J	1.45	0.348 J
MW-10	04/17/13	**280**	**810**	580	**4,000**	**82**	**160**	NR	NR	BDL	BDL	22	45	**1,600**	**440**
	01/19/15	<0.10	0.37 J	0.19 J	1.23 J	<0.10	0.26 J	NR	NR	<0.10	<0.10	<0.10	0.14 J	0.73	0.25 J
	05/19/15	Destroyed													
MW-11	04/17/13	BDL	BDL	BDL	BDL	**21**	BDL	NR	NR	BDL	BDL	BDL	BDL	BDL	BDL
	01/19/15	<0.10	<0.10	<0.10	<0.20	3.3	<0.10	NR	NR	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	05/19/15	<0.17	<0.17	<0.15	<0.43	4.0	<0.12	NR	NR	<0.14	<0.16	<0.12	<0.16	<0.14	<0.14
	11/28/18	<0.13	<0.13	<0.13	<0.25	0.16 J	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/20/19	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
MW-12	04/17/13	BDL	BDL	BDL	BDL	2.2	BDL	NR	NR	BDL	BDL	BDL	BDL	BDL	BDL
	01/19/15	<0.10	<0.10	<0.10	<0.20	1.1	<0.10	NR	NR	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	05/19/15	<0.17	<0.17	<0.15	<0.43	1.1	<0.12	NR	NR	<0.14	<0.16	<0.12	<0.16	<0.14	<0.14
	11/28/18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/20/19	<0.13	<0.13	<0.13	<0.25	0.66	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	05/04/21	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
MW-13	07/30/13	***6,600***	**21,000**	**3,000**	**14,800**	**440**	**520**	NR	NR	67	BDL	**110**	**390**	**2,700**	**740**
	01/19/15	**565**	**2,380**	**777**	**3,550**	**76.4**	**179**	NR	NR	32.5	<5.0	40.1	**172**	**1,190**	360
	05/19/15	**343**	459	362	**1,210**	**28.3**	**151**	NR	NR	20.3	<3.3	29.0	**105**	**568**	146
	05/10/16	**726**	**1,870**	**974**	**2,520**	**33.8**	**291**	NR	NR	21.4 J	<6.3	46.2	**206**	**1,130**	300
	05/01/17	**633**	**1,410**	**808**	**2,140**	16.8 J	**203**	NR	NR	15.3 J	<6.3	34.5	**163**	**1,010**	267
	05/21/18	**20.5**	48.0	75.9	114	0.29 J	**25.7**	NR	NR	8.6	<0.13	7.6	30.7	145 E	27.9
	11/28/18	**140**	166	454	**801**	<1.3	**133**	<20	<20	15.3	<1.3	24.9	**108**	**462**	136
	11/20/19	**199**	179	563	**1,190**	<1.3	**189**	**483**	<20	22.5	<1.3	33.5	**143**	**813**	232
	05/04/21	**668**	**688**	**955**	**2,250**	<6.3	**254**	**1,330**	<100	15.4 J	<6.3	42.4	**148**	**992**	295
	12/06/21	**302 E**	21.5	560 E	**754 E**	<0.13	**224**	**1,070**	<2.0	17.3	<0.13	44.2	**127**	**567 E**	168
	06/08/22	**1.01**	6.35	1.65	8.81	<0.140	1.44	<1.90	<1.60	<0.180	<0.150	<0.180	0.459 J	3.18	0.880

TABLE 4
SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS
NIC's PIC KWIK #4 (INCIDENT NO. 29522/42236)

Date: 06/27/22 **Facility ID #:** 00-0-0000019341

Analytical Methods →		EPA Methods 6200B & 602													
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	tert-Amyl alcohol (TAA)	tert-Butyl alcohol (TBA)	n-Butylbenzene	1,2-Dichloroethane	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
Well ID	**Date Collected** (mm/dd/yy)														
MAC (mg/l)		**1**	**600**	**600**	**500**	**20**	**6**	**40**	**10**	**70**	**0.4**	**70**	**70**	**400**	**400**
MW-14	07/30/13	BDL	BDL	BDL	BDL	4.4	BDL	NR	NR	BDL	BDL	BDL	BDL	BDL	BDL
	01/19/15	<0.10	2.6	0.16 J	<0.20	0.13 J	<0.10	NR	NR	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	05/19/15	<0.17	4.4	<0.15	<0.43	0.66	<0.12	NR	NR	<0.14	<0.16	<0.12	<0.16	<0.14	<0.14
	11/28/18	<0.13	11.8	<0.13	<0.25	<0.13	<0.13	<2.0	2.3 J	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/20/19	<0.13	0.87	0.13 J	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
MW-15	11/20/19	**19.2**	0.23 J	1.5	0.95 J	0.87	**74.8**	NR	NR	NR	NR	NR	NR	NR	NR
	05/04/21	**4.3**	0.22 J	3.2	0.31 J	<0.13	**25.9**	<2.0	<2.0	0.58	<0.13	1.8	2.3	0.38 J	<0.13
	12/06/21	**4.0**	<0.13	9.3	0.70 J	0.27 J	**39.9**	11.1	<2.0	1.1	<0.13	4.4	5.4	0.6	0.18 J
	06/08/22	**8.04**	26.9	14.2	34.1	0.912 J	**49.7**	12.8	<1.60	1.60	<0.150	6.29	7.88	14.5	3.53
MW-16	05/04/21	**18,900**	**36,800**	**3,280**	**16,500**	**4,190**	**608 J**	**22,800 J**	<5,000	<310	<310	<310	<310	**2,090**	**670 J**
	12/06/21	**17,600**	**29,900**	**2,790**	**13,750**	**2,580**	**658**	**21,600**	<2,000	<130	<130	<130	**253 J**	**1,920**	**549**
	03/17/22	**13.6**	23.2	2.4	11.1	1.4	0.44 J	NR	NR	NR	NR	NR	NR	NR	NR
	06/08/22	***15,800***	**29,800**	**3,220**	**15,600**	**2,110**	**785**	**20,800**	**745 J**	35.7 J	<15.0	**126**	**405**	**2,860**	**745**
DW-1	07/30/13	**1,500**	**5,500**	**700**	**3,500**	**660**	**190**	NR	NR	29	BDL	47	**120**	**820**	230
	01/19/15	**370**	2.7 J	4.5 J	21.2	**563**	60.2	NR	NR	9.5 J	<2.0	9.5 J	3.3 J	15.2	3.9 J
	05/19/15	**311**	2.7 J	<1.5	9.8 J	**312**	63.8	NR	NR	<1.4	<1.6	1.8 J	<1.6	10.9	1.8 J
	05/10/16	**45.8**	0.69	0.87	1.8	**162**	**21.9**	NR	NR	1.5	<0.13	3.8	0.70	2.5	0.22 J
	05/01/17	**10.6**	0.22 J	0.24 J	1.2 J	**70.5**	**15.5**	NR	NR	0.26 J	<0.13	1.6	<0.13	0.26 J	<0.13
	05/21/18	**238**	1.4 J	<0.63	5.1 J	**282**	**18.6**	NR	NR	<0.63	<0.63	0.71 J	<0.63	<0.63	<0.63
	11/28/18	**487**	5.3 J	3.1 J	<5.0	**469**	**35.6**	**1,510**	<40	<2.5	<2.5	2.6 J	<2.5	<2.5	<2.5
	11/20/19	**4.0**	2	0.99	3.7	**46.3**	0.48 J	**142**	<2.0	<0.13	<0.13	<0.13	0.20 J	0.78	0.33 J
	05/04/21	0.45 J	0.59	0.17 J	0.78 J	3.4	0.19 J	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	0.17 J	<0.13
	12/06/21	**7.9**	181	73.9	418	<1.3	**35.5**	<20	<20	3.0 J	<1.3	5.9	18.9	172	47
	06/08/22	**1.44**	17.1	14.8	104	0.381 J	**61.3**	<1.90	<1.60	5.26	<0.150	2.88	12.6	152	32.6
TW-1	07/30/20	***35,400***	**53,100**	**4,720**	**25,400**	**3,470**	**758**	NR	NR	NR	NR	NR	NR	NR	NR
TW-2	07/30/20	**2,210**	**5,940**	**700**	**3,120**	**250**	**382**	NR	NR	NR	NR	NR	NR	NR	NR
TW-3	07/30/20	**1,080**	**5,570**	**1,280**	**5,300**	**27.2**	**201**	NR	NR	NR	NR	NR	NR	NR	NR
TW-4	07/31/20	**1,970**	**9,650**	**3,480**	**17,700**	**130**	**1,360**	NR	NR	NR	NR	NR	NR	NR	NR
TW-5	07/30/20	0.14 J	<0.13	<0.13	<0.25	1.8	0.55	NR	NR	NR	NR	NR	NR	NR	NR
TW-6	07/30/20	<0.13	<0.13	<0.13	<0.25	0.24 J	0.13 J	NR	NR	NR	NR	NR	NR	NR	NR
TW-7	07/31/20	0.18 J	0.26 J	0.23 J	0.67 J	2.0	0.87	NR	NR	NR	NR	NR	NR	NR	NR

TABLE 4
SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS
NIC's PIC KWIK #4 (INCIDENT NO. 29522/42236)

Date: 06/27/22 **Facility ID #**: 00-0-0000019341

Analytical Methods →		EPA Methods 6200B & 602													
Contaminant of Concern →		Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	tert-Amyl alcohol (TAA)	tert-Butyl alcohol (TBA)	n-Butylbenzene	1,2-Dichloroethane	Isopropylbenzene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
Well ID	Date Collected (mm/dd/yy)														
MAC (mg/l)		**1**	**600**	**600**	**500**	**20**	**6**	**40**	**10**	**70**	**0.4**	**70**	**70**	**400**	**400**
Trip Blank	01/19/15	<0.10	<0.10	<0.10	<0.20	<0.10	<0.10	NR	NR	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
	05/19/15	<0.17	<0.17	<0.15	<0.43	<0.16	<0.12	NR	NR	<0.14	<0.16	<0.12	<0.16	<0.14	<0.14
	05/10/16	<0.13	<0.13	<0.13	<0.31	<0.13	<0.13	NR	NR	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	05/01/17	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	NR	NR	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	05/21/18	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	NR	NR	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/28/18	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	11/20/19	<0.13	0.45 J	<0.13	<0.25	<0.13	<0.13	<2.0	<2.0	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
	07/30/20	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR
	12/06/21	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR
	03/17/22	<0.13	<0.13	<0.13	<0.25	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR
	06/08/22	<0.180	<0.220	<0.170	<0.21	<0.140	<0.470	NR	NR	<0.180	<0.150	<0.180	<0.190	<0.190	<0.180

Notes:

- < : Less than the method detection limit specified in the laboratory report
- MAC: Maximum allowable concentrations specified in 15A NCAC 2L.0202.
- GCL: Gross contamination level.
- Results in bold face type exceeded the MACs.
- Results in italics type exceeded the GCLs.
- Results reported in µg/l (micrograms per liter).
- NS: Not sampled.
- NR: Analyses not requested.
- BDL: Concentration below laboratory detection limit.
- 2013 analytical data from Table 8 in the Cormprehensive Site Assessment Report, dated June 5, 2013, prepared by Enviro-Pro PC.
- A concentration of TAME (801 J µg/l in MW-16) that exceeded the MAC was reported in the ground water sample collected on June 8, 2022.
- Refer to the laboratory analytical report for other compounds detected which did not exceed the MAC.
- J: Estimated value.
- E: Value exeeds calibration range.

TABLE 5
FREE PRODUCT RECOVERY RESULTS
NIC'S PIC KWIK #4 (INCIDENT NO. 29522)

Date: 04/11/2022 **Facility ID**: 00-0-0000019341

Method of Measurement: Interface probe at top-of-casing

Well ID	**Product Type** (gas, diesel, etc.)	**Date of Recovery** (mm/dd/yy)	**Free Product Recovery Method***	**Casing Diameter** (inches)	**Product Thickness before Recovery** (feet)	**Product Thickness after Recovery** (feet)	**Amount of Liquid Recovered** (gallons)	**Amount of Product Recovered** (gallons)
MW-7 and MW-13	Gasoline	12/15/14 to 12/19/14	MMPE	2	0.00	0.00	13,106	0.57
MW-7 and MW-13	Gasoline	4/13/15 to 4/17/15	MMPE	2	0.00	0.00	11,030	2.07
MW-7	Gasoline	10/23/18	AFVR	2	0.00	0.00	1,162	0.32
MW-7	Gasoline	01/26/21	AFVR	2	0.00	0.00	950	0.08
MW-16					0.45	0.00		
MW-7	Gasoline	03/17/22	AFVR	2	0.00	0.00	500	0.14
MW-16					0.00	0.00		

Notes :

- MMPE - Mobile Multiphase Extraction
- AFVR: Aggressive Fluid Vapor Recovery
- Amount of Liquid Recovered (gallons) includes Total Liquids (Water and Free Product) as indicated on Disposal Manifest
- Amount of Product Recovered (in gallons) includes the volume of free product in the tanker at the end of the event (based on Disposal Manifest and Field Notes), as well as the calculated volume of vapor-phase free product.

TABLE 6
FREE PRODUCT RECOVERY EVENT INFORMATION
NIC'S PIC KWIK #4 (INCIDENT NO. 29522)

Date: 04/11/22 **Facility ID:** 00-0-0000019341

Well ID	**Date** (mm/dd/yy)	**Product Recovery Method**	**Average Effluent Velocity** (ft/min)	**Average Effluent Temperature** (°F)	**Average Effluent Concentration** (ppm)	**Amount of Vaporized Product** (gallons)	**Amount of Liquid Recovered** (gallons)	**Amount of Product Recovered as Liquid** (gallons)	**Total Amount of Product Recovered** (gallons)
MW-7 and MW-13	12/15/14 to 12/19/14	MMPE	3,048	133	265	0.57	13,106	0.0	0.57
MW-7 and MW-13	4/13/15 to 4/17/15	MMPE	2,856	125	255	2.07	11,030	0.0	2.07
MW-7	10/23/18	AFVR	286	78.18	2,407	0.32	1,162	0.0	0.32
MW-7 and MW-16	01/26/21	AFVR	541	83.01	312.93	0.08	950	0.0	0.08
MW-7 and MW-16	03/17/22	AFVR	828	117.20	76.10	0.14	500	0.0	0.14
					Totals	**3.17**	**26,748**	**0**	**3.17**

SUMMARY OF FLUID REMOVAL		
Summary	**Total Fluids Removed (in gallons)**	**Total Amount of Product Removed (in gallons)**
Current Event	**500.14**	**0.14**
Total To Date	**26,751.17**	**3.17**

Notes:

- MMPE: Mobile Multiphase Extraction
- AFVR: Aggressive Fluid Vapor Recovery
- Amount of Vaporized Product (in gallons) is based on Vapor Emissions Summary Sheet, = lbs emitted/6.25
- Amount of Liquid Recovered includes Total Liquids (Water and Free Product) as indicated on Disposal Manifest.
- Amount of Product Recovered as Liquid includes only the volume of free product in the tanker at the end of the event (based on Disposal Manifest and/or Field Notes).
- Total Amount of Product Recovered = Amount of Vaporized Product + Amount of Product Recovered as Liquid
- Total Fluids Removed = Amount of Vaporized Product + Amount of Liquid Recovered

TABLE 7
FREE PRODUCT RECOVERY COST SUMMARY
NIC'S PIC KWIK #4 (INCIDENT NO. 29522)

Date: 04/11/2022 **Facility ID:** 00-0-0000019341

Wells Included in Event	Product Recovery	Date of Event (mm/dd/yy)	Total Amount of Fluid Recovered	Cost of Free Product Recovery	Cost Per Gallon Total Fluids	Comments
MW-7 and MW-13	MMPE	12/15/14 to 12/19/14	13,106.57	$10,933.50	$0.83	Cost per gallon is based on total fluids recovered.
MW-7 and MW-13	MMPE	4/13/15 to 4/17/15	11,032.07	$11,113.10	$1.01	Cost per gallon is based on total fluids recovered.
MW-7	AFVR	10/23/18	1,162.32	$2,420.70	$2.08	Cost per gallon is based on total fluids recovered.
MW-7 and MW-16	AFVR	01/26/21	950.00	$3,263.50	$3.44	Cost per gallon is based on total fluids recovered.
MW-7 and MW-16	AFVR	03/17/22	500.00	$2,364.00	$4.73	Cost per gallon is based on total fluids recovered.
TOTAL (to date)			**26,750.96**	**$30,094.80**	**$1.12**	

Notes:

- MMPE: Mobile Multiphase Extraction
- AFVR: Aggressive Fluid Vapor Recovery
- Total Amount of Free Product Recovered = Amount of Vaporized Product + Amount of Product Recovered as Liquid
- Cost of Free Product Recovery Event includes field supervision, travel, mileage, per diem and subcontractor costs.

APPENDICES

APPENDIX A

State Correspondence

ROY COOPER
Governor
ELIZABETH S. BISER
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

3024 Received MAY 16 2022

May 13, 2022

VIA EMAIL ATTACHMENT

Mr. Jimmy McDonald
Quality Oil Company, Inc.
203 West Broad Avenue
Rockingham, NC 28379

Re: Notice of Regulatory Requirements
15A NCAC 2L .0407(d)
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Nic's Pic Kwik #4
564 N. Patterson Street
Maxton, Robeson County
Incident Number: 29522
Risk Classification: Intermediate
Ranking: I-215-A

Dear Mr. McDonald:

The Free Product Recovery/AFVR Report dated April 21, 2022, has been reviewed and this office agrees with conducting a semi-annual gauging/monitoring event for free product measurements and to observe contaminant concentration levels following the March 2022 AFVR event.

Given the total number of MMPE/AFVR events that have been conducted at this incident, it will be unlikely that this office will be able to approve any additional events unless said technology is approved in a Corrective Action Plan. The next gauging/sampling event will be anticipated to occur during June 2022. Groundwater samples should be analyzed using EPA Method 6200B with Ethanol plus Oxygenates. The requested data should be reported in the Monitoring Report format and should be received in this office on or before July 31, 2022.

If you have questions regarding the information contained in this letter, please contact me at the Fayetteville Regional Office address below or at (910) 433-3347.

Sincerely,

Kenneth E. Currie, Hydrogeologist
Fayetteville Regional Office
UST Section, Division of Waste Management

c: Mr. William L. Regenthal, L.G., Geological Resources, Inc., Winterville, NC *(email copy)*
FRO Digital Incident File #29522

3024 Received MAY 20 2022

DIRECTED - CAB ONLY

ELECTRONIC PREAPPROVAL TASK AUTHORIZATION FORM

Dept of Environmental Quality - Division of Waste Management

Site Name	Nics Pic Kwik 4	City / County	Maxton / Robeson
Resp Pty Name / Contact	Quality Oil & Gas Co, Inc	Incident Mgr	Ken Currie
RP Type *(Owner/Operator / Landowner / Attny-in-fact)*	Owner/Operator	Change Order?	No
Consultant / Project Mgr	Geological Resources, Inc. / William Regenthal		
Telephone / Fax Number	704-845-4010 / 704-845-4012		
Project Mgr Email	wlr@geologicalresourcesinc.com		
Proposal# / Scope Dates	22-383 / June 2022		
Has STF Eligibility Been Determined? (Y/N)	YES		

Incident # 29522
Region FAY
Prev. TA # 17

(Reserved for Incident Manager)

Task Authorization Number:	*18*	*ChangeOrd:*	
Site Risk / Rank / Abatement:	*I-215-A*	*RRA Date:*	*3/12/2021*
% Commercial (C=100%, NC=0%, Both=1%-99%)		*100.00%*	
***Site Status** (Active or NFA Date)*		***Active***	

Note: This Electronic Preapproval Task Authorization (ePATA) shall be used to receive preapproval from the UST Section. A proposal, including maps and figures, must be attached to elaborate on the costs for the tasks listed below that describes the scope of work and the rationale for the proposed activities. If, following completion of this ePATA, you discover that unexpected tasks must be performed, incurring costs for tasks not originally included with this form, you must complete and submit a separate ePATA request designated as a "Change Order" in the provided space above prior to conducting those tasks. Include a copy of the prior ePATA form for confirmation. Please attach this form to the cover of the corresponding claim when requesting reimbursement. IMPORTANT: Only one claim may be submitted per ePATA and all work on the ePATA must have been completed within 12 months of the completion date of the FIRST completed task to remain within the Statute of Limitations. All ePATAs submitted within a claim are closed with that claim, and may not be re-used in a separate submittal, even for costs or tasks that were not originally claimed. Final reimbursement of costs associated with the Total Claimed amount below may be affected by the eligibility status of the site (i.e., deductibles, apportionment, etc.), and the documentary validation of incurred costs as reasonable and necessary expenses per 15A NCAC 2P .0402 and .0404.

With Claim: **[ ] All Main Consultant/Contractor invoices attached?** **[ ] Proof of payment attached directly to the front of each invoice?**

◆ Important: The date of reimbursement is dependent on the Trust Fund balance. There may be a delay in the reimbursement of claims for work under this ePATA.

PREAPPROVAL / TASK AUTHORIZATION *(See Instructions / RRD for Tasks requiring Preapproval / Task Authorization)*									FINAL REIMBURSEMENT *(Must Complete with Claim Submittal)*	
3rd Pty Ded?	Task #	Lab / SubCode	Proposed Units / Type *(Consultant)*	RO IM Auth	Proposed Rate/Price *(Consultant)*	RO Supv. Auth	Proposed Task Subtotal *(Consultant)*	Final Preapproved Subtotal *(UST Section)*	Dates of Work *(Consultant)* Started[1] / Completed[2]	Claimed Amount[3] *(Consultant)*
	4.031		9 / wells	Y	$110.00	Y	$990.00	$990.00	/	
	4.090	#240	9 / samples	Y	$94.00	Y	$846.00	$846.00	/	
	4.090	#272	1 / sample	Y	$66.00	Y	$66.00	$66.00	/	
	4.091		1 / shipment	Y	$60.00	Y	$60.00	$60.00	/	
	6.090		1 / report	Y	$1,125.00	Y	$1,125.00	$1,125.00	/	
	12.050		1 / trip	Y	$250.00	Y	$250.00	$250.00	/	
	12.055		1 / trip	Y	$50.00	Y	$50.00	$50.00	/	
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	Requested	*Preapproved*		*Claimed[3]*
TOTAL:	$3,387.00	**$3,387.00**	**TOTAL:**	
Total Standard Costs (Not Third Party)	$3,387.00	**$3,387.00**	***Total Standard Costs***	
Total applied as Third Party Deductible/Damage Costs	$0.00	**$0.00**	***Total Third Pty Costs***	

Process Tracking *(Date)* *(Initials)*

TA Submittal: 5/18/22 by: WR (PM)

RO Review: 5/19/22 by: KEC (IM)

RO Supv. Review: 5/19/22 by: MHH (STF)

(Reserved for RO)

Joint UST Preapproval Confirmed By: [signature] Date[1] 5/19/2022

RP or Designee Receipt Confirmation By: [signature] Date[4] 5/9/22

1 - This ePATA expires one year from the Joint UST Preapproval date. This does not extend, alter, or supersede any regulatory deadlines (e.g., NORR's, NOV's, Enforcements, etc.)

2 - THE ONE YEAR STATUTE OF LIMITATIONS APPLIES TO EACH INDIVIDUAL TASK. Costs must be claimed within one year of completion of that task to be reimbursable.

3 - Only Tasks included on this ePATA may be claimed. Do not include other Tasks or claimed costs (i.e., Claim preparation) that were not preapproved or the claim will be returned.

4 - Preapproval is not valid (i.e., claimable) until receipt is signed as 'Confirmed' by the RP or their designee within a week of approval. The signed pre-approval must be submitted in the submitted claim. Signature indicates acknowledgement of the tasks and amounts approved. Any objections/appeals must be submitted via Change Order prior to work proceeding. Scope/cost negotiations do not supersede other regulatory deadlines as described in #1 above. Also, any ePATA that has been signed as 'Confirmed' by both the UST Section and RP is not to be modified without written consent by all signatories.

5 - Tasks approved on Directed - CAB Only ePATAs must be performed in accordance with all applicable rules, statutes, and RRD Task Scopes of Work to be reimbursed in full.

APPENDIX B

Laboratory Report – Ground Water Samples

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

6/22/2022

Geological Resources, Inc.
Scott Driscoll
3502 Hayes Road
Monroe, NC, 28110

Ref: Analytical Testing
Lab Report Number: 22-161-0024
Client Project Description: Nics's Pics Kwick
GRI #3024

Dear Scott Driscoll:

Waypoint Analytical, LLC (Charlotte) received sample(s) on 6/10/2022 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Danyale Love
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

Certification Summary

Laboratory ID: WP CNC: Waypoint Analytical Carolina, Inc. (C), Charlotte, NC

State	Program	Lab ID	Expiration Date
North Carolina	State Program	37735	07/31/2022
North Carolina	State Program	402	12/31/2022
South Carolina	State Program	99012	07/31/2022
South Carolina	State Program	99012	12/31/2022

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

Sample Summary Table

Report Number: **22-161-0024**

Client Project Description: **Nics's Pics Kwick GRI #3024**

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
91878	TRIP BLANK	Aqueous	06/08/2022 10:28	06/10/2022 09:30
91879	DW-1	Aqueous	06/08/2022 12:02	06/10/2022 09:30
91880	MW-16	Aqueous	06/08/2022 12:17	06/10/2022 09:30
91881	MW-15	Aqueous	06/08/2022 12:33	06/10/2022 09:30
91882	MW-13	Aqueous	06/08/2022 12:47	06/10/2022 09:30
91883	MW-9	Aqueous	06/08/2022 13:06	06/10/2022 09:30
91884	MW-8	Aqueous	06/08/2022 13:22	06/10/2022 09:30
91885	MW-4	Aqueous	06/08/2022 13:41	06/10/2022 09:30

Waypoint ANALYTICAL
449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

Summary of Detected Analytes

Project: Nics's Pics Kwick

Report Number: 22-161-0024

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
DW-1	**V 91879**					
6200B	Benzene	1.44	µg/L	0.180	06/19/2022 13:33	
6200B	n-Butylbenzene	5.26	µg/L	0.180	06/19/2022 13:33	
6200B	sec-Butyl benzene	1.35	µg/L	0.200	06/19/2022 13:33	
6200B	Ethylbenzene	14.8	µg/L	0.170	06/19/2022 13:33	
6200B	Isopropylbenzene	2.88	µg/L	0.180	06/19/2022 13:33	
6200B	4-Isopropyl toluene	0.881	µg/L	0.089	06/19/2022 13:33	
6200B	Methyl tert-butyl ether (MTBE)	0.381	µg/L	0.140	06/19/2022 13:33	J
6200B	Naphthalene	61.3	µg/L	0.470	06/19/2022 13:33	
6200B	n-Propylbenzene	12.6	µg/L	0.190	06/19/2022 13:33	
6200B	Styrene	0.249	µg/L	0.220	06/19/2022 13:33	J
6200B	Toluene	17.1	µg/L	0.220	06/19/2022 13:33	
6200B	1,2,4-Trimethylbenzene	152	µg/L	19.0	06/21/2022 17:49	
6200B	1,3,5-Trimethylbenzene	32.6	µg/L	0.180	06/19/2022 13:33	
6200B	o-Xylene	37.8	µg/L	0.210	06/19/2022 13:33	
6200B	m,p-Xylene	66.5	µg/L	0.420	06/19/2022 13:33	
6200B	Xylene (Total)	104	µg/L	0.210	06/19/2022 13:33	
MW-16	**V 91880**					
6200B	Benzene	15800	µg/L	180	06/22/2022 06:56	
6200B	n-Butylbenzene	35.7	µg/L	18.0	06/22/2022 06:32	J
6200B	Ethylbenzene	3220	µg/L	17.0	06/22/2022 06:32	
6200B	Isopropylbenzene	126	µg/L	18.0	06/22/2022 06:32	
6200B	Methyl tert-butyl ether (MTBE)	2110	µg/L	14.0	06/22/2022 06:32	
6200B	Naphthalene	785	µg/L	47.0	06/22/2022 06:32	
6200B	n-Propylbenzene	405	µg/L	19.0	06/22/2022 06:32	
6200B	Styrene	45.6	µg/L	22.0	06/22/2022 06:32	J
6200B	tert-Butyl Alcohol (TBA)	745	µg/L	160	06/22/2022 06:32	J
6200B	tert-Amyl Alcohol (TAA)	20800	µg/L	1900	06/22/2022 06:56	
6200B	tert-Amyl Methyl Ether (TAME)	801	µg/L	28.0	06/22/2022 06:32	J
6200B	Toluene	29800	µg/L	220	06/22/2022 06:56	
6200B	1,2,4-Trimethylbenzene	2860	µg/L	19.0	06/22/2022 06:32	
6200B	1,3,5-Trimethylbenzene	745	µg/L	18.0	06/22/2022 06:32	
6200B	o-Xylene	4960	µg/L	21.0	06/22/2022 06:32	
6200B	m,p-Xylene	10600	µg/L	42.0	06/22/2022 06:32	
6200B	Xylene (Total)	15600	µg/L	21.0	06/22/2022 06:32	
MW-15	**V 91881**					
6200B	Benzene	8.04	µg/L	0.180	06/19/2022 13:57	

Waypoint ANALYTICAL
449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

Summary of Detected Analytes

Project: Nics's Pics Kwick

Report Number: 22-161-0024

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
MW-15	**V 91881**					
6200B	n-Butylbenzene	1.60	µg/L	0.180	06/19/2022 13:57	
6200B	sec-Butyl benzene	3.17	µg/L	0.200	06/19/2022 13:57	
6200B	Ethylbenzene	14.2	µg/L	0.170	06/19/2022 13:57	
6200B	Isopropylbenzene	6.29	µg/L	0.180	06/19/2022 13:57	
6200B	4-Isopropyl toluene	0.361	µg/L	0.089	06/19/2022 13:57	J
6200B	Methyl tert-butyl ether (MTBE)	0.912	µg/L	0.140	06/19/2022 13:57	J
6200B	4-Methyl-2-Pentanone	1.06	µg/L	0.078	06/19/2022 13:57	
6200B	Naphthalene	49.7	µg/L	0.470	06/19/2022 13:57	
6200B	n-Propylbenzene	7.88	µg/L	0.190	06/19/2022 13:57	
6200B	tert-Amyl Alcohol (TAA)	12.8	µg/L	1.90	06/19/2022 13:57	
6200B	tert-Amyl Methyl Ether (TAME)	0.341	µg/L	0.280	06/19/2022 13:57	J
6200B	Toluene	26.9	µg/L	0.220	06/19/2022 13:57	
6200B	1,2,4-Trimethylbenzene	14.5	µg/L	0.190	06/19/2022 13:57	
6200B	1,3,5-Trimethylbenzene	3.53	µg/L	0.180	06/19/2022 13:57	
6200B	o-Xylene	11.0	µg/L	0.210	06/19/2022 13:57	
6200B	m,p-Xylene	23.1	µg/L	0.420	06/19/2022 13:57	
6200B	Xylene (Total)	34.1	µg/L	0.210	06/19/2022 13:57	
MW-13	**V 91882**					
6200B	Benzene	1.01	µg/L	0.180	06/21/2022 14:15	
6200B	Ethylbenzene	1.65	µg/L	0.170	06/21/2022 14:15	
6200B	Naphthalene	1.44	µg/L	0.470	06/21/2022 14:15	
6200B	n-Propylbenzene	0.459	µg/L	0.190	06/21/2022 14:15	J
6200B	Toluene	6.35	µg/L	0.220	06/21/2022 14:15	
6200B	1,2,4-Trimethylbenzene	3.18	µg/L	0.190	06/21/2022 14:15	
6200B	1,3,5-Trimethylbenzene	0.880	µg/L	0.180	06/21/2022 14:15	
6200B	o-Xylene	2.73	µg/L	0.210	06/21/2022 14:15	
6200B	m,p-Xylene	6.08	µg/L	0.420	06/21/2022 14:15	
6200B	Xylene (Total)	8.81	µg/L	0.210	06/21/2022 14:15	
MW-9	**V 91883**					
6200B	Benzene	1.51	µg/L	0.180	06/19/2022 14:45	
6200B	sec-Butyl benzene	0.246	µg/L	0.200	06/19/2022 14:45	J
6200B	Chloromethane	1.29	µg/L	0.220	06/19/2022 14:45	
6200B	Ethylbenzene	1.18	µg/L	0.170	06/19/2022 14:45	
6200B	Isopropylbenzene	0.411	µg/L	0.180	06/19/2022 14:45	J
6200B	Methyl tert-butyl ether (MTBE)	0.470	µg/L	0.140	06/19/2022 14:45	J
6200B	Naphthalene	1.19	µg/L	0.470	06/19/2022 14:45	

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Summary of Detected Analytes

Project: Nics's Pics Kwick

Report Number: 22-161-0024

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
MW-9	**V 91883**					
6200B	n-Propylbenzene	0.268	µg/L	0.190	06/19/2022 14:45	J
6200B	Toluene	7.20	µg/L	0.220	06/19/2022 14:45	
6200B	1,2,4-Trimethylbenzene	1.45	µg/L	0.190	06/19/2022 14:45	
6200B	1,3,5-Trimethylbenzene	0.348	µg/L	0.180	06/19/2022 14:45	J
6200B	o-Xylene	1.89	µg/L	0.210	06/19/2022 14:45	
6200B	m,p-Xylene	4.12	µg/L	0.420	06/19/2022 14:45	
6200B	Xylene (Total)	6.01	µg/L	0.210	06/19/2022 14:45	
MW-8	**V 91884**					
6200B	Benzene	62.8	µg/L	1.80	06/20/2022 08:39	
6200B	n-Butylbenzene	9.00	µg/L	1.80	06/20/2022 08:39	
6200B	sec-Butyl benzene	4.09	µg/L	2.00	06/20/2022 08:39	J
6200B	Ethylbenzene	203	µg/L	1.70	06/20/2022 08:39	
6200B	2-Hexanone	14.9	µg/L	3.80	06/20/2022 08:39	
6200B	Isopropylbenzene	17.8	µg/L	1.80	06/20/2022 08:39	
6200B	4-Isopropyl toluene	2.37	µg/L	0.890	06/20/2022 08:39	J
6200B	4-Methyl-2-Pentanone	12.6	µg/L	0.780	06/20/2022 08:39	
6200B	Naphthalene	88.6	µg/L	4.70	06/20/2022 08:39	
6200B	n-Propylbenzene	64.5	µg/L	1.90	06/20/2022 08:39	
6200B	tert-Amyl Alcohol (TAA)	157	µg/L	19.0	06/20/2022 08:39	
6200B	Toluene	15.5	µg/L	2.20	06/20/2022 08:39	
6200B	1,2,4-Trimethylbenzene	363	µg/L	1.90	06/20/2022 08:39	
6200B	1,3,5-Trimethylbenzene	115	µg/L	1.80	06/20/2022 08:39	
6200B	o-Xylene	14.2	µg/L	2.10	06/20/2022 08:39	
6200B	m,p-Xylene	332	µg/L	4.20	06/20/2022 08:39	
6200B	Xylene (Total)	346	µg/L	2.10	06/20/2022 08:39	
MW-4	**V 91885**					
6200B	Benzene	1.34	µg/L	0.180	06/21/2022 14:39	
6200B	Chloromethane	1.19	µg/L	0.220	06/21/2022 14:39	
6200B	Di-Isopropyl Ether (DIPE)	0.620	µg/L	0.500	06/21/2022 14:39	
6200B	Ethylbenzene	1.03	µg/L	0.170	06/21/2022 14:39	
6200B	Isopropylbenzene	0.337	µg/L	0.180	06/21/2022 14:39	J
6200B	Methyl tert-butyl ether (MTBE)	1.60	µg/L	0.140	06/21/2022 14:39	
6200B	4-Methyl-2-Pentanone	2.05	µg/L	0.078	06/21/2022 14:39	
6200B	Naphthalene	2.72	µg/L	0.470	06/21/2022 14:39	
6200B	n-Propylbenzene	0.366	µg/L	0.190	06/21/2022 14:39	J
6200B	tert-Butyl Alcohol (TBA)	18.1	µg/L	1.60	06/21/2022 14:39	

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Summary of Detected Analytes

Project: Nics's Pics Kwick

Report Number: 22-161-0024

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
MW-4	**V 91885**					
6200B	tert-Amyl Alcohol (TAA)	25.4	µg/L	1.90	06/21/2022 14:39	
6200B	tert-Amyl Methyl Ether (TAME)	0.318	µg/L	0.280	06/21/2022 14:39	J
6200B	Toluene	1.63	µg/L	0.220	06/21/2022 14:39	
6200B	1,2,4-Trimethylbenzene	1.10	µg/L	0.190	06/21/2022 14:39	
6200B	1,3,5-Trimethylbenzene	0.329	µg/L	0.180	06/21/2022 14:39	J
6200B	o-Xylene	0.865	µg/L	0.210	06/21/2022 14:39	
6200B	m,p-Xylene	1.97	µg/L	0.420	06/21/2022 14:39	
6200B	Xylene (Total)	2.84	µg/L	0.210	06/21/2022 14:39	

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Client: Geological Resources, Inc.
Project: Nics's Pics Kwick
Lab Report Number: 22-161-0024
Date: 6/22/2022

CASE NARRATIVE

Volatile Organic Compounds - GC/MS Method 6200B
Analyte: 2-Butanone
QC Batch No: V20175/V20174
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

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Project Nics's Pics Kwick

Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91878**
Sample ID : **TRIP BLANK**

Matrix: **Aqueous**
Sampled: **6/8/2022 10:28**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	06/19/22 13:10	JLB	V20175
Benzene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:10	JLB	V20175
Bromobenzene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:10	JLB	V20175
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	06/19/22 13:10	JLB	V20175
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:10	JLB	V20175
Bromoform	<1.50	µg/L	1.50	5.00	1	06/19/22 13:10	JLB	V20175
Bromomethane	<0.280	µg/L	0.280	1.00	1	06/19/22 13:10	JLB	V20175
n-Butylbenzene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:10	JLB	V20175
sec-Butyl benzene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:10	JLB	V20175
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	06/19/22 13:10	JLB	V20175
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	06/19/22 13:10	JLB	V20175
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 13:10	JLB	V20175
Chlorodibromomethane	<0.190	µg/L	0.190	0.500	1	06/19/22 13:10	JLB	V20175
Chloroethane	<0.430	µg/L	0.430	1.00	1	06/19/22 13:10	JLB	V20175
Chloroform	<0.220	µg/L	0.220	0.500	1	06/19/22 13:10	JLB	V20175
Chloromethane	<0.220	µg/L	0.220	0.500	1	06/19/22 13:10	JLB	V20175
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:10	JLB	V20175
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:10	JLB	V20175
Di-Isopropyl Ether (DIPE)	<0.500	µg/L	0.500	0.500	1	06/19/22 13:10	JLB	V20175
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	06/19/22 13:10	JLB	V20175
1,2-Dibromoethane	<0.200	µg/L	0.200	0.500	1	06/19/22 13:10	JLB	V20175
Dibromomethane	<0.230	µg/L	0.230	0.500	1	06/19/22 13:10	JLB	V20175

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Nics's Pics Kwick
Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91878**
Sample ID : **TRIP BLANK**

Matrix: **Aqueous**
Sampled: **6/8/2022 10:28**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	06/19/22 13:10	JLB	V20175
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 13:10	JLB	V20175
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:10	JLB	V20175
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	06/19/22 13:10	JLB	V20175
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	06/19/22 13:10	JLB	V20175
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	06/19/22 13:10	JLB	V20175
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	06/19/22 13:10	JLB	V20175
cis-1,2-Dichloroethene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:10	JLB	V20175
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:10	JLB	V20175
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	06/19/22 13:10	JLB	V20175
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	06/19/22 13:10	JLB	V20175
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	06/19/22 13:10	JLB	V20175
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:10	JLB	V20175
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:10	JLB	V20175
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	06/19/22 13:10	JLB	V20175
Ethanol	<42.0	µg/L	42.0	200	1	06/19/22 13:10	JLB	V20175
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	06/19/22 13:10	JLB	V20175
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	06/19/22 13:10	JLB	V20175
2-Hexanone	<0.380	µg/L	0.380	1.00	1	06/19/22 13:10	JLB	V20175
Isopropylbenzene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:10	JLB	V20175
4-Isopropyl toluene	<0.089	µg/L	0.089	0.500	1	06/19/22 13:10	JLB	V20175
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	06/19/22 13:10	JLB	V20175

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91878**
Sample ID : **TRIP BLANK**

Matrix: **Aqueous**
Sampled: **6/8/2022 10:28**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	1.00	1	06/19/22 13:10	JLB	V20175
4-Methyl-2-Pentanone	<0.078	µg/L	0.078	1.00	1	06/19/22 13:10	JLB	V20175
Methylene Chloride	<0.330	µg/L	0.330	2.00	1	06/19/22 13:10	JLB	V20175
Naphthalene	<0.470	µg/L	0.470	1.00	1	06/19/22 13:10	JLB	V20175
n-Propylbenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 13:10	JLB	V20175
Styrene	<0.220	µg/L	0.220	0.500	1	06/19/22 13:10	JLB	V20175
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:10	JLB	V20175
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:10	JLB	V20175
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	06/19/22 13:10	JLB	V20175
Toluene	<0.220	µg/L	0.220	0.500	1	06/19/22 13:10	JLB	V20175
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	06/19/22 13:10	JLB	V20175
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	06/19/22 13:10	JLB	V20175
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:10	JLB	V20175
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	06/19/22 13:10	JLB	V20175
Trichloroethene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:10	JLB	V20175
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	06/19/22 13:10	JLB	V20175
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	06/19/22 13:10	JLB	V20175
1,2,4-Trimethylbenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 13:10	JLB	V20175
1,3,5-Trimethylbenzene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:10	JLB	V20175
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	06/19/22 13:10	JLB	V20175
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	06/19/22 13:10	JLB	V20175
o-Xylene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:10	JLB	V20175

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Nics's Pics Kwick

Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **91878**
Sample ID : **TRIP BLANK**

Matrix: **Aqueous**
Sampled: **6/8/2022 10:28**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	06/19/22 13:10	JLB	V20175
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	06/19/22 13:10		V20175
Surrogate: 4-Bromofluorobenzene	100		Limits: 70-130%		1	06/19/22 13:10	JLB	V20175
Surrogate: Dibromofluoromethane	99.2		Limits: 70-130%		1	06/19/22 13:10	JLB	V20175
Surrogate: 1,2-Dichloroethane - d4	97.8		Limits: 70-130%		1	06/19/22 13:10	JLB	V20175
Surrogate: Toluene-d8	112		Limits: 70-130%		1	06/19/22 13:10	JLB	V20175

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Nics's Pics Kwick

Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91879**
Sample ID : **DW-1**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:02**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	06/19/22 13:33	JLB	6200B
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		1	06/19/22 13:33	JLB	V20175
Surrogate: Dibromofluoromethane	99.2		Limits: 70-130%		1	06/19/22 13:33	JLB	V20175
Surrogate: 1,2-Dichloroethane - d4	95.2		Limits: 70-130%		1	06/19/22 13:33	JLB	V20175
Surrogate: Toluene-d8	113		Limits: 70-130%		1	06/19/22 13:33	JLB	V20175
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		100	06/21/22 17:49	JLB	V20304
Surrogate: Dibromofluoromethane	99.6		Limits: 70-130%		100	06/21/22 17:49	JLB	V20304
Surrogate: 1,2-Dichloroethane - d4	98.4		Limits: 70-130%		100	06/21/22 17:49	JLB	V20304
Surrogate: Toluene-d8	111		Limits: 70-130%		100	06/21/22 17:49	JLB	V20304

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Nics's Pics Kwick

Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91879**
Sample ID : **DW-1**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:02**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00 **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	06/19/22 13:33	JLB	V20175
Benzene	**1.44**	µg/L	0.180	0.500	1	06/19/22 13:33	JLB	V20175
Bromobenzene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:33	JLB	V20175
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	06/19/22 13:33	JLB	V20175
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:33	JLB	V20175
Bromoform	<1.50	µg/L	1.50	5.00	1	06/19/22 13:33	JLB	V20175
Bromomethane	<0.280	µg/L	0.280	1.00	1	06/19/22 13:33	JLB	V20175
n-Butylbenzene	**5.26**	µg/L	0.180	0.500	1	06/19/22 13:33	JLB	V20175
sec-Butyl benzene	**1.35**	µg/L	0.200	0.500	1	06/19/22 13:33	JLB	V20175
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	06/19/22 13:33	JLB	V20175
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	06/19/22 13:33	JLB	V20175
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 13:33	JLB	V20175
Chlorodibromomethane	<0.190	µg/L	0.190	0.500	1	06/19/22 13:33	JLB	V20175
Chloroethane	<0.430	µg/L	0.430	1.00	1	06/19/22 13:33	JLB	V20175
Chloroform	<0.220	µg/L	0.220	0.500	1	06/19/22 13:33	JLB	V20175
Chloromethane	<0.220	µg/L	0.220	0.500	1	06/19/22 13:33	JLB	V20175
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:33	JLB	V20175
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:33	JLB	V20175
Di-Isopropyl Ether (DIPE)	<0.500	µg/L	0.500	0.500	1	06/19/22 13:33	JLB	V20175
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	06/19/22 13:33	JLB	V20175
1,2-Dibromoethane	<0.200	µg/L	0.200	0.500	1	06/19/22 13:33	JLB	V20175
Dibromomethane	<0.230	µg/L	0.230	0.500	1	06/19/22 13:33	JLB	V20175

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Nics's Pics Kwick

Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91879**
Sample ID : **DW-1**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:02**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00 **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	06/19/22 13:33	JLB	V20175
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 13:33	JLB	V20175
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:33	JLB	V20175
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	06/19/22 13:33	JLB	V20175
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	06/19/22 13:33	JLB	V20175
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	06/19/22 13:33	JLB	V20175
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	06/19/22 13:33	JLB	V20175
cis-1,2-Dichloroethene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:33	JLB	V20175
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:33	JLB	V20175
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	06/19/22 13:33	JLB	V20175
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	06/19/22 13:33	JLB	V20175
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	06/19/22 13:33	JLB	V20175
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:33	JLB	V20175
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:33	JLB	V20175
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	06/19/22 13:33	JLB	V20175
Ethanol	<42.0	µg/L	42.0	200	1	06/19/22 13:33	JLB	V20175
Ethylbenzene	**14.8**	µg/L	0.170	0.500	1	06/19/22 13:33	JLB	V20175
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	06/19/22 13:33	JLB	V20175
2-Hexanone	<0.380	µg/L	0.380	1.00	1	06/19/22 13:33	JLB	V20175
Isopropylbenzene	**2.88**	µg/L	0.180	0.500	1	06/19/22 13:33	JLB	V20175
4-Isopropyl toluene	**0.881**	µg/L	0.089	0.500	1	06/19/22 13:33	JLB	V20175
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	06/19/22 13:33	JLB	V20175

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Nics's Pics Kwick

Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91879**
Sample ID : **DW-1**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:02**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00 **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	**0.381 J**	µg/L	0.140	1.00	1	06/19/22 13:33	JLB	V20175
4-Methyl-2-Pentanone	<0.078	µg/L	0.078	1.00	1	06/19/22 13:33	JLB	V20175
Methylene Chloride	<0.330	µg/L	0.330	2.00	1	06/19/22 13:33	JLB	V20175
Naphthalene	**61.3**	µg/L	0.470	1.00	1	06/19/22 13:33	JLB	V20175
n-Propylbenzene	**12.6**	µg/L	0.190	0.500	1	06/19/22 13:33	JLB	V20175
Styrene	**0.249 J**	µg/L	0.220	0.500	1	06/19/22 13:33	JLB	V20175
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	06/19/22 13:33	JLB	V20175
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	06/19/22 13:33	JLB	V20175
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	06/19/22 13:33	JLB	V20175
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	06/19/22 13:33	JLB	V20175
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:33	JLB	V20175
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:33	JLB	V20175
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	06/19/22 13:33	JLB	V20175
Toluene	**17.1**	µg/L	0.220	0.500	1	06/19/22 13:33	JLB	V20175
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	06/19/22 13:33	JLB	V20175
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	06/19/22 13:33	JLB	V20175
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:33	JLB	V20175
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	06/19/22 13:33	JLB	V20175
Trichloroethene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:33	JLB	V20175
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	06/19/22 13:33	JLB	V20175
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	06/19/22 13:33	JLB	V20175
1,2,4-Trimethylbenzene	**152**	µg/L	19.0	50.0	100	06/21/22 17:49	JLB	V20304

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Nics's Pics Kwick
Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **91879**
Sample ID : **DW-1**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:02**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00 **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**32.6**	µg/L	0.180	0.500	1	06/19/22 13:33	JLB	V20175
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	06/19/22 13:33	JLB	V20175
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	06/19/22 13:33	JLB	V20175
o-Xylene	**37.8**	µg/L	0.210	0.500	1	06/19/22 13:33	JLB	V20175
m,p-Xylene	**66.5**	µg/L	0.420	1.00	1	06/19/22 13:33	JLB	V20175
Xylene (Total)	**104**	µg/L	0.210	0.500	1	06/19/22 13:33		V20175
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		1	06/19/22 13:33	JLB	V20175
Surrogate: Dibromofluoromethane	99.2		Limits: 70-130%		1	06/19/22 13:33	JLB	V20175
Surrogate: 1,2-Dichloroethane - d4	95.2		Limits: 70-130%		1	06/19/22 13:33	JLB	V20175
Surrogate: Toluene-d8	113		Limits: 70-130%		1	06/19/22 13:33	JLB	V20175
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		100	06/21/22 17:49	JLB	V20304
Surrogate: Dibromofluoromethane	99.6		Limits: 70-130%		100	06/21/22 17:49	JLB	V20304
Surrogate: 1,2-Dichloroethane - d4	98.4		Limits: 70-130%		100	06/21/22 17:49	JLB	V20304
Surrogate: Toluene-d8	111		Limits: 70-130%		100	06/21/22 17:49	JLB	V20304

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91880**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:17**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	06/22/22 06:32	JLB	6200B
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		100	06/22/22 06:32	JLB	V20313
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		100	06/22/22 06:32	JLB	V20313
Surrogate: 1,2-Dichloroethane - d4	101		Limits: 70-130%		100	06/22/22 06:32	JLB	V20313
Surrogate: Toluene-d8	109		Limits: 70-130%		100	06/22/22 06:32	JLB	V20313
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 70-130%		1000	06/22/22 06:56	JLB	V20313
Surrogate: Dibromofluoromethane	103		Limits: 70-130%		1000	06/22/22 06:56	JLB	V20313
Surrogate: 1,2-Dichloroethane - d4	102		Limits: 70-130%		1000	06/22/22 06:56	JLB	V20313
Surrogate: Toluene-d8	111		Limits: 70-130%		1000	06/22/22 06:56	JLB	V20313

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91880**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:17**

Analytical Method: 6200B **Prep Batch(es):** **V20311** 06/21/22 14:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<180	µg/L	180	1000	100	06/22/22 06:32	JLB	V20313
Benzene	**15800**	µg/L	180	500	1000	06/22/22 06:56	JLB	V20313
Bromobenzene	<21.0	µg/L	21.0	50.0	100	06/22/22 06:32	JLB	V20313
Bromochloromethane	<42.0	µg/L	42.0	100	100	06/22/22 06:32	JLB	V20313
Bromodichloromethane	<16.0	µg/L	16.0	50.0	100	06/22/22 06:32	JLB	V20313
Bromoform	<150	µg/L	150	500	100	06/22/22 06:32	JLB	V20313
Bromomethane	<28.0	µg/L	28.0	100	100	06/22/22 06:32	JLB	V20313
n-Butylbenzene	**35.7 J**	µg/L	18.0	50.0	100	06/22/22 06:32	JLB	V20313
sec-Butyl benzene	<20.0	µg/L	20.0	50.0	100	06/22/22 06:32	JLB	V20313
tert-Butyl benzene	<92.0	µg/L	92.0	200	100	06/22/22 06:32	JLB	V20313
Carbon Tetrachloride	<18.0	µg/L	18.0	50.0	100	06/22/22 06:32	JLB	V20313
Chlorobenzene	<19.0	µg/L	19.0	50.0	100	06/22/22 06:32	JLB	V20313
Chlorodibromomethane	<19.0	µg/L	19.0	50.0	100	06/22/22 06:32	JLB	V20313
Chloroethane	<43.0	µg/L	43.0	100	100	06/22/22 06:32	JLB	V20313
Chloroform	<22.0	µg/L	22.0	50.0	100	06/22/22 06:32	JLB	V20313
Chloromethane	<22.0	µg/L	22.0	50.0	100	06/22/22 06:32	JLB	V20313
2-Chlorotoluene	<20.0	µg/L	20.0	50.0	100	06/22/22 06:32	JLB	V20313
4-Chlorotoluene	<20.0	µg/L	20.0	50.0	100	06/22/22 06:32	JLB	V20313
Di-Isopropyl Ether (DIPE)	<50.0	µg/L	50.0	50.0	100	06/22/22 06:32	JLB	V20313
1,2-Dibromo-3-Chloropropane	<110	µg/L	110	200	100	06/22/22 06:32	JLB	V20313
1,2-Dibromoethane	<20.0	µg/L	20.0	50.0	100	06/22/22 06:32	JLB	V20313
Dibromomethane	<23.0	µg/L	23.0	50.0	100	06/22/22 06:32	JLB	V20313

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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REPORT OF ANALYSIS

Lab No : **91880**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:17**

Analytical Method: 6200B **Prep Batch(es):** **V20311** 06/21/22 14:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<22.0	µg/L	22.0	50.0	100	06/22/22 06:32	JLB	V20313
1,3-Dichlorobenzene	<19.0	µg/L	19.0	50.0	100	06/22/22 06:32	JLB	V20313
1,4-Dichlorobenzene	<21.0	µg/L	21.0	50.0	100	06/22/22 06:32	JLB	V20313
Dichlorodifluoromethane	<120	µg/L	120	500	100	06/22/22 06:32	JLB	V20313
1,1-Dichloroethane	<24.0	µg/L	24.0	50.0	100	06/22/22 06:32	JLB	V20313
1,2-Dichloroethane	<15.0	µg/L	15.0	50.0	100	06/22/22 06:32	JLB	V20313
1,1-Dichloroethene	<15.0	µg/L	15.0	50.0	100	06/22/22 06:32	JLB	V20313
cis-1,2-Dichloroethene	<20.0	µg/L	20.0	50.0	100	06/22/22 06:32	JLB	V20313
trans-1,2-Dichloroethene	<18.0	µg/L	18.0	50.0	100	06/22/22 06:32	JLB	V20313
1,2-Dichloropropane	<19.0	µg/L	19.0	50.0	100	06/22/22 06:32	JLB	V20313
1,3-Dichloropropane	<13.0	µg/L	13.0	50.0	100	06/22/22 06:32	JLB	V20313
2,2-Dichloropropane	<21.0	µg/L	21.0	200	100	06/22/22 06:32	JLB	V20313
1,1-Dichloropropene	<20.0	µg/L	20.0	50.0	100	06/22/22 06:32	JLB	V20313
cis-1,3-Dichloropropene	<21.0	µg/L	21.0	50.0	100	06/22/22 06:32	JLB	V20313
trans-1,3-Dichloropropene	<15.0	µg/L	15.0	50.0	100	06/22/22 06:32	JLB	V20313
Ethanol	<4200	µg/L	4200	20000	100	06/22/22 06:32	JLB	V20313
Ethylbenzene	**3220**	µg/L	17.0	50.0	100	06/22/22 06:32	JLB	V20313
Hexachlorobutadiene	<35.0	µg/L	35.0	300	100	06/22/22 06:32	JLB	V20313
2-Hexanone	<38.0	µg/L	38.0	100	100	06/22/22 06:32	JLB	V20313
Isopropylbenzene	**126**	µg/L	18.0	50.0	100	06/22/22 06:32	JLB	V20313
4-Isopropyl toluene	<8.90	µg/L	8.90	50.0	100	06/22/22 06:32	JLB	V20313
Methyl Ethyl Ketone (MEK)	<71.0	µg/L	71.0	500	100	06/22/22 06:32	JLB	V20313

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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REPORT OF ANALYSIS

Lab No : **91880**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:17**

Analytical Method: 6200B **Prep Batch(es):** **V20311** 06/21/22 14:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	**2110**	µg/L	14.0	100	100	06/22/22 06:32	JLB	V20313
4-Methyl-2-Pentanone	<7.80	µg/L	7.80	100	100	06/22/22 06:32	JLB	V20313
Methylene Chloride	<33.0	µg/L	33.0	200	100	06/22/22 06:32	JLB	V20313
Naphthalene	**785**	µg/L	47.0	100	100	06/22/22 06:32	JLB	V20313
n-Propylbenzene	**405**	µg/L	19.0	50.0	100	06/22/22 06:32	JLB	V20313
Styrene	**45.6 J**	µg/L	22.0	50.0	100	06/22/22 06:32	JLB	V20313
tert-Butyl Alcohol (TBA)	**745 J**	µg/L	160	1000	100	06/22/22 06:32	JLB	V20313
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	06/22/22 06:32	JLB	V20313
tert-Amyl Alcohol (TAA)	**20800**	µg/L	1900	10000	1000	06/22/22 06:56	JLB	V20313
tert-Amyl Methyl Ether (TAME)	**801 J**	µg/L	28.0	1000	100	06/22/22 06:32	JLB	V20313
1,1,1,2-Tetrachloroethane	<16.0	µg/L	16.0	50.0	100	06/22/22 06:32	JLB	V20313
1,1,2,2-Tetrachloroethane	<16.0	µg/L	16.0	50.0	100	06/22/22 06:32	JLB	V20313
Tetrachloroethene	<22.0	µg/L	22.0	50.0	100	06/22/22 06:32	JLB	V20313
Toluene	**29800**	µg/L	220	500	1000	06/22/22 06:56	JLB	V20313
1,2,3-Trichlorobenzene	<38.0	µg/L	38.0	50.0	100	06/22/22 06:32	JLB	V20313
1,2,4-Trichlorobenzene	<31.0	µg/L	31.0	50.0	100	06/22/22 06:32	JLB	V20313
1,1,1-Trichloroethane	<16.0	µg/L	16.0	50.0	100	06/22/22 06:32	JLB	V20313
1,1,2-Trichloroethane	<9.60	µg/L	9.60	50.0	100	06/22/22 06:32	JLB	V20313
Trichloroethene	<18.0	µg/L	18.0	50.0	100	06/22/22 06:32	JLB	V20313
Trichlorofluoromethane	<18.0	µg/L	18.0	50.0	100	06/22/22 06:32	JLB	V20313
1,2,3-Trichloropropane	<27.0	µg/L	27.0	50.0	100	06/22/22 06:32	JLB	V20313
1,2,4-Trimethylbenzene	**2860**	µg/L	19.0	50.0	100	06/22/22 06:32	JLB	V20313

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Nics's Pics Kwick
Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **91880**
Sample ID : **MW-16**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:17**

Analytical Method: 6200B **Prep Batch(es):** **V20311** 06/21/22 14:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**745**	µg/L	18.0	50.0	100	06/22/22 06:32	JLB	V20313
Vinyl Acetate	<100	µg/L	100	500	100	06/22/22 06:32	JLB	V20313
Vinyl Chloride	<17.0	µg/L	17.0	50.0	100	06/22/22 06:32	JLB	V20313
o-Xylene	**4960**	µg/L	21.0	50.0	100	06/22/22 06:32	JLB	V20313
m,p-Xylene	**10600**	µg/L	42.0	100	100	06/22/22 06:32	JLB	V20313
Xylene (Total)	**15600**	µg/L	21.0	50.0	100	06/22/22 06:32		V20313
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		100	06/22/22 06:32	JLB	V20313
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		100	06/22/22 06:32	JLB	V20313
Surrogate: 1,2-Dichloroethane - d4	101		Limits: 70-130%		100	06/22/22 06:32	JLB	V20313
Surrogate: Toluene-d8	109		Limits: 70-130%		100	06/22/22 06:32	JLB	V20313
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 70-130%		1000	06/22/22 06:56	JLB	V20313
Surrogate: Dibromofluoromethane	103		Limits: 70-130%		1000	06/22/22 06:56	JLB	V20313
Surrogate: 1,2-Dichloroethane - d4	102		Limits: 70-130%		1000	06/22/22 06:56	JLB	V20313
Surrogate: Toluene-d8	111		Limits: 70-130%		1000	06/22/22 06:56	JLB	V20313

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 06/22/2022
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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91881**
Sample ID : **MW-15**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:33**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	06/19/22 13:57	JLB	6200B
Surrogate: 4-Bromofluorobenzene	104		Limits: 70-130%		1	06/19/22 13:57	JLB	V20175
Surrogate: Dibromofluoromethane	100		Limits: 70-130%		1	06/19/22 13:57	JLB	V20175
Surrogate: 1,2-Dichloroethane - d4	101		Limits: 70-130%		1	06/19/22 13:57	JLB	V20175
Surrogate: Toluene-d8	112		Limits: 70-130%		1	06/19/22 13:57	JLB	V20175

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91881**
Sample ID : **MW-15**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:33**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	06/19/22 13:57	JLB	V20175
Benzene	**8.04**	µg/L	0.180	0.500	1	06/19/22 13:57	JLB	V20175
Bromobenzene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:57	JLB	V20175
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	06/19/22 13:57	JLB	V20175
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:57	JLB	V20175
Bromoform	<1.50	µg/L	1.50	5.00	1	06/19/22 13:57	JLB	V20175
Bromomethane	<0.280	µg/L	0.280	1.00	1	06/19/22 13:57	JLB	V20175
n-Butylbenzene	**1.60**	µg/L	0.180	0.500	1	06/19/22 13:57	JLB	V20175
sec-Butyl benzene	**3.17**	µg/L	0.200	0.500	1	06/19/22 13:57	JLB	V20175
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	06/19/22 13:57	JLB	V20175
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	06/19/22 13:57	JLB	V20175
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 13:57	JLB	V20175
Chlorodibromomethane	<0.190	µg/L	0.190	0.500	1	06/19/22 13:57	JLB	V20175
Chloroethane	<0.430	µg/L	0.430	1.00	1	06/19/22 13:57	JLB	V20175
Chloroform	<0.220	µg/L	0.220	0.500	1	06/19/22 13:57	JLB	V20175
Chloromethane	<0.220	µg/L	0.220	0.500	1	06/19/22 13:57	JLB	V20175
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:57	JLB	V20175
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:57	JLB	V20175
Di-Isopropyl Ether (DIPE)	<0.500	µg/L	0.500	0.500	1	06/19/22 13:57	JLB	V20175
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	06/19/22 13:57	JLB	V20175
1,2-Dibromoethane	<0.200	µg/L	0.200	0.500	1	06/19/22 13:57	JLB	V20175
Dibromomethane	<0.230	µg/L	0.230	0.500	1	06/19/22 13:57	JLB	V20175

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 06/22/2022
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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91881**
Sample ID : **MW-15**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:33**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	06/19/22 13:57	JLB	V20175
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 13:57	JLB	V20175
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:57	JLB	V20175
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	06/19/22 13:57	JLB	V20175
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	06/19/22 13:57	JLB	V20175
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	06/19/22 13:57	JLB	V20175
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	06/19/22 13:57	JLB	V20175
cis-1,2-Dichloroethene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:57	JLB	V20175
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:57	JLB	V20175
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	06/19/22 13:57	JLB	V20175
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	06/19/22 13:57	JLB	V20175
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	06/19/22 13:57	JLB	V20175
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	06/19/22 13:57	JLB	V20175
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	06/19/22 13:57	JLB	V20175
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	06/19/22 13:57	JLB	V20175
Ethanol	<42.0	µg/L	42.0	200	1	06/19/22 13:57	JLB	V20175
Ethylbenzene	**14.2**	µg/L	0.170	0.500	1	06/19/22 13:57	JLB	V20175
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	06/19/22 13:57	JLB	V20175
2-Hexanone	<0.380	µg/L	0.380	1.00	1	06/19/22 13:57	JLB	V20175
Isopropylbenzene	**6.29**	µg/L	0.180	0.500	1	06/19/22 13:57	JLB	V20175
4-Isopropyl toluene	**0.361 J**	µg/L	0.089	0.500	1	06/19/22 13:57	JLB	V20175
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	06/19/22 13:57	JLB	V20175

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 06/22/2022
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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91881**
Sample ID : **MW-15**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:33**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	**0.912 J**	µg/L	0.140	1.00	1	06/19/22 13:57	JLB	V20175
4-Methyl-2-Pentanone	**1.06**	µg/L	0.078	1.00	1	06/19/22 13:57	JLB	V20175
Methylene Chloride	<0.330	µg/L	0.330	2.00	1	06/19/22 13:57	JLB	V20175
Naphthalene	**49.7**	µg/L	0.470	1.00	1	06/19/22 13:57	JLB	V20175
n-Propylbenzene	**7.88**	µg/L	0.190	0.500	1	06/19/22 13:57	JLB	V20175
Styrene	<0.220	µg/L	0.220	0.500	1	06/19/22 13:57	JLB	V20175
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	06/19/22 13:57	JLB	V20175
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	06/19/22 13:57	JLB	V20175
tert-Amyl Alcohol (TAA)	**12.8**	µg/L	1.90	10.0	1	06/19/22 13:57	JLB	V20175
tert-Amyl Methyl Ether (TAME)	**0.341 J**	µg/L	0.280	10.0	1	06/19/22 13:57	JLB	V20175
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:57	JLB	V20175
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:57	JLB	V20175
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	06/19/22 13:57	JLB	V20175
Toluene	**26.9**	µg/L	0.220	0.500	1	06/19/22 13:57	JLB	V20175
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	06/19/22 13:57	JLB	V20175
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	06/19/22 13:57	JLB	V20175
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 13:57	JLB	V20175
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	06/19/22 13:57	JLB	V20175
Trichloroethene	<0.180	µg/L	0.180	0.500	1	06/19/22 13:57	JLB	V20175
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	06/19/22 13:57	JLB	V20175
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	06/19/22 13:57	JLB	V20175
1,2,4-Trimethylbenzene	**14.5**	µg/L	0.190	0.500	1	06/19/22 13:57	JLB	V20175

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #3024

Report Date : 06/22/2022
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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91881**
Sample ID : **MW-15**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:33**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**3.53**	µg/L	0.180	0.500	1	06/19/22 13:57	JLB	V20175
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	06/19/22 13:57	JLB	V20175
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	06/19/22 13:57	JLB	V20175
o-Xylene	**11.0**	µg/L	0.210	0.500	1	06/19/22 13:57	JLB	V20175
m,p-Xylene	**23.1**	µg/L	0.420	1.00	1	06/19/22 13:57	JLB	V20175
Xylene (Total)	**34.1**	µg/L	0.210	0.500	1	06/19/22 13:57		V20175
Surrogate: 4-Bromofluorobenzene	104		Limits: 70-130%		1	06/19/22 13:57	JLB	V20175
Surrogate: Dibromofluoromethane	100		Limits: 70-130%		1	06/19/22 13:57	JLB	V20175
Surrogate: 1,2-Dichloroethane - d4	101		Limits: 70-130%		1	06/19/22 13:57	JLB	V20175
Surrogate: Toluene-d8	112		Limits: 70-130%		1	06/19/22 13:57	JLB	V20175

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 06/22/2022
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Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91882**
Sample ID : **MW-13**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:47**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	06/21/22 14:15	JLB	6200B
Surrogate: 4-Bromofluorobenzene	104		Limits: 70-130%		1	06/21/22 14:15	JLB	V20304
Surrogate: Dibromofluoromethane	100		Limits: 70-130%		1	06/21/22 14:15	JLB	V20304
Surrogate: 1,2-Dichloroethane - d4	100		Limits: 70-130%		1	06/21/22 14:15	JLB	V20304
Surrogate: Toluene-d8	112		Limits: 70-130%		1	06/21/22 14:15	JLB	V20304

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #3024

Report Date : 06/22/2022
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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91882**
Sample ID : **MW-13**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:47**

Analytical Method: 6200B **Prep Batch(es):** **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	06/21/22 14:15	JLB	V20304
Benzene	**1.01**	µg/L	0.180	0.500	1	06/21/22 14:15	JLB	V20304
Bromobenzene	<0.210	µg/L	0.210	0.500	1	06/21/22 14:15	JLB	V20304
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	06/21/22 14:15	JLB	V20304
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	06/21/22 14:15	JLB	V20304
Bromoform	<1.50	µg/L	1.50	5.00	1	06/21/22 14:15	JLB	V20304
Bromomethane	<0.280	µg/L	0.280	1.00	1	06/21/22 14:15	JLB	V20304
n-Butylbenzene	<0.180	µg/L	0.180	0.500	1	06/21/22 14:15	JLB	V20304
sec-Butyl benzene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:15	JLB	V20304
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	06/21/22 14:15	JLB	V20304
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	06/21/22 14:15	JLB	V20304
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	06/21/22 14:15	JLB	V20304
Chlorodibromomethane	<0.190	µg/L	0.190	0.500	1	06/21/22 14:15	JLB	V20304
Chloroethane	<0.430	µg/L	0.430	1.00	1	06/21/22 14:15	JLB	V20304
Chloroform	<0.220	µg/L	0.220	0.500	1	06/21/22 14:15	JLB	V20304
Chloromethane	<0.220	µg/L	0.220	0.500	1	06/21/22 14:15	JLB	V20304
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:15	JLB	V20304
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:15	JLB	V20304
Di-Isopropyl Ether (DIPE)	<0.500	µg/L	0.500	0.500	1	06/21/22 14:15	JLB	V20304
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	06/21/22 14:15	JLB	V20304
1,2-Dibromoethane	<0.200	µg/L	0.200	0.500	1	06/21/22 14:15	JLB	V20304
Dibromomethane	<0.230	µg/L	0.230	0.500	1	06/21/22 14:15	JLB	V20304

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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3502 Hayes Road
Monroe , NC 28110

Project Nics's Pics Kwick

Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91882**
Sample ID : **MW-13**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:47**

Analytical Method: 6200B **Prep Batch(es):** **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	06/21/22 14:15	JLB	V20304
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	06/21/22 14:15	JLB	V20304
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	06/21/22 14:15	JLB	V20304
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	06/21/22 14:15	JLB	V20304
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	06/21/22 14:15	JLB	V20304
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	06/21/22 14:15	JLB	V20304
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	06/21/22 14:15	JLB	V20304
cis-1,2-Dichloroethene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:15	JLB	V20304
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	06/21/22 14:15	JLB	V20304
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	06/21/22 14:15	JLB	V20304
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	06/21/22 14:15	JLB	V20304
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	06/21/22 14:15	JLB	V20304
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:15	JLB	V20304
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	06/21/22 14:15	JLB	V20304
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	06/21/22 14:15	JLB	V20304
Ethanol	<42.0	µg/L	42.0	200	1	06/21/22 14:15	JLB	V20304
Ethylbenzene	**1.65**	µg/L	0.170	0.500	1	06/21/22 14:15	JLB	V20304
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	06/21/22 14:15	JLB	V20304
2-Hexanone	<0.380	µg/L	0.380	1.00	1	06/21/22 14:15	JLB	V20304
Isopropylbenzene	<0.180	µg/L	0.180	0.500	1	06/21/22 14:15	JLB	V20304
4-Isopropyl toluene	<0.089	µg/L	0.089	0.500	1	06/21/22 14:15	JLB	V20304
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	06/21/22 14:15	JLB	V20304

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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REPORT OF ANALYSIS

Lab No : **91882**
Sample ID : **MW-13**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:47**

Analytical Method: 6200B **Prep Batch(es):** **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	1.00	1	06/21/22 14:15	JLB	V20304
4-Methyl-2-Pentanone	<0.078	µg/L	0.078	1.00	1	06/21/22 14:15	JLB	V20304
Methylene Chloride	<0.330	µg/L	0.330	2.00	1	06/21/22 14:15	JLB	V20304
Naphthalene	**1.44**	µg/L	0.470	1.00	1	06/21/22 14:15	JLB	V20304
n-Propylbenzene	**0.459 J**	µg/L	0.190	0.500	1	06/21/22 14:15	JLB	V20304
Styrene	<0.220	µg/L	0.220	0.500	1	06/21/22 14:15	JLB	V20304
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	06/21/22 14:15	JLB	V20304
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	06/21/22 14:15	JLB	V20304
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	06/21/22 14:15	JLB	V20304
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	06/21/22 14:15	JLB	V20304
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/21/22 14:15	JLB	V20304
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/21/22 14:15	JLB	V20304
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	06/21/22 14:15	JLB	V20304
Toluene	**6.35**	µg/L	0.220	0.500	1	06/21/22 14:15	JLB	V20304
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	06/21/22 14:15	JLB	V20304
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	06/21/22 14:15	JLB	V20304
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	06/21/22 14:15	JLB	V20304
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	06/21/22 14:15	JLB	V20304
Trichloroethene	<0.180	µg/L	0.180	0.500	1	06/21/22 14:15	JLB	V20304
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	06/21/22 14:15	JLB	V20304
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	06/21/22 14:15	JLB	V20304
1,2,4-Trimethylbenzene	**3.18**	µg/L	0.190	0.500	1	06/21/22 14:15	JLB	V20304

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 06/22/2022
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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91882**
Sample ID : **MW-13**

Matrix: **Aqueous**
Sampled: **6/8/2022 12:47**

Analytical Method: 6200B **Prep Batch(es):** **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**0.880**	µg/L	0.180	0.500	1	06/21/22 14:15	JLB	V20304
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	06/21/22 14:15	JLB	V20304
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	06/21/22 14:15	JLB	V20304
o-Xylene	**2.73**	µg/L	0.210	0.500	1	06/21/22 14:15	JLB	V20304
m,p-Xylene	**6.08**	µg/L	0.420	1.00	1	06/21/22 14:15	JLB	V20304
Xylene (Total)	**8.81**	µg/L	0.210	0.500	1	06/21/22 14:15		V20304
Surrogate: 4-Bromofluorobenzene	104		Limits: 70-130%		1	06/21/22 14:15	JLB	V20304
Surrogate: Dibromofluoromethane	100		Limits: 70-130%		1	06/21/22 14:15	JLB	V20304
Surrogate: 1,2-Dichloroethane - d4	100		Limits: 70-130%		1	06/21/22 14:15	JLB	V20304
Surrogate: Toluene-d8	112		Limits: 70-130%		1	06/21/22 14:15	JLB	V20304

Qualifiers/ Definitions

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Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91883**
Sample ID : **MW-9**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:06**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	06/19/22 14:45	JLB	6200B
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		1	06/19/22 14:45	JLB	V20175
Surrogate: Dibromofluoromethane	102		Limits: 70-130%		1	06/19/22 14:45	JLB	V20175
Surrogate: 1,2-Dichloroethane - d4	99.0		Limits: 70-130%		1	06/19/22 14:45	JLB	V20175
Surrogate: Toluene-d8	111		Limits: 70-130%		1	06/19/22 14:45	JLB	V20175

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
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Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91883**
Sample ID : **MW-9**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:06**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	06/19/22 14:45	JLB	V20175
Benzene	**1.51**	µg/L	0.180	0.500	1	06/19/22 14:45	JLB	V20175
Bromobenzene	<0.210	µg/L	0.210	0.500	1	06/19/22 14:45	JLB	V20175
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	06/19/22 14:45	JLB	V20175
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	06/19/22 14:45	JLB	V20175
Bromoform	<1.50	µg/L	1.50	5.00	1	06/19/22 14:45	JLB	V20175
Bromomethane	<0.280	µg/L	0.280	1.00	1	06/19/22 14:45	JLB	V20175
n-Butylbenzene	<0.180	µg/L	0.180	0.500	1	06/19/22 14:45	JLB	V20175
sec-Butyl benzene	**0.246 J**	µg/L	0.200	0.500	1	06/19/22 14:45	JLB	V20175
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	06/19/22 14:45	JLB	V20175
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	06/19/22 14:45	JLB	V20175
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 14:45	JLB	V20175
Chlorodibromomethane	<0.190	µg/L	0.190	0.500	1	06/19/22 14:45	JLB	V20175
Chloroethane	<0.430	µg/L	0.430	1.00	1	06/19/22 14:45	JLB	V20175
Chloroform	<0.220	µg/L	0.220	0.500	1	06/19/22 14:45	JLB	V20175
Chloromethane	**1.29**	µg/L	0.220	0.500	1	06/19/22 14:45	JLB	V20175
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/19/22 14:45	JLB	V20175
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/19/22 14:45	JLB	V20175
Di-Isopropyl Ether (DIPE)	<0.500	µg/L	0.500	0.500	1	06/19/22 14:45	JLB	V20175
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	06/19/22 14:45	JLB	V20175
1,2-Dibromoethane	<0.200	µg/L	0.200	0.500	1	06/19/22 14:45	JLB	V20175
Dibromomethane	<0.230	µg/L	0.230	0.500	1	06/19/22 14:45	JLB	V20175

Qualifiers/ Definitions
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Lab No : **91883**
Sample ID : **MW-9**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:06**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	06/19/22 14:45	JLB	V20175
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	06/19/22 14:45	JLB	V20175
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	06/19/22 14:45	JLB	V20175
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	06/19/22 14:45	JLB	V20175
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	06/19/22 14:45	JLB	V20175
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	06/19/22 14:45	JLB	V20175
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	06/19/22 14:45	JLB	V20175
cis-1,2-Dichloroethene	<0.200	µg/L	0.200	0.500	1	06/19/22 14:45	JLB	V20175
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	06/19/22 14:45	JLB	V20175
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	06/19/22 14:45	JLB	V20175
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	06/19/22 14:45	JLB	V20175
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	06/19/22 14:45	JLB	V20175
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	06/19/22 14:45	JLB	V20175
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	06/19/22 14:45	JLB	V20175
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	06/19/22 14:45	JLB	V20175
Ethanol	<42.0	µg/L	42.0	200	1	06/19/22 14:45	JLB	V20175
Ethylbenzene	**1.18**	µg/L	0.170	0.500	1	06/19/22 14:45	JLB	V20175
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	06/19/22 14:45	JLB	V20175
2-Hexanone	<0.380	µg/L	0.380	1.00	1	06/19/22 14:45	JLB	V20175
Isopropylbenzene	**0.411 J**	µg/L	0.180	0.500	1	06/19/22 14:45	JLB	V20175
4-Isopropyl toluene	<0.089	µg/L	0.089	0.500	1	06/19/22 14:45	JLB	V20175
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	06/19/22 14:45	JLB	V20175

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Sample ID : **MW-9**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:06**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	**0.470 J**	µg/L	0.140	1.00	1	06/19/22 14:45	JLB	V20175
4-Methyl-2-Pentanone	<0.078	µg/L	0.078	1.00	1	06/19/22 14:45	JLB	V20175
Methylene Chloride	<0.330	µg/L	0.330	2.00	1	06/19/22 14:45	JLB	V20175
Naphthalene	**1.19**	µg/L	0.470	1.00	1	06/19/22 14:45	JLB	V20175
n-Propylbenzene	**0.268 J**	µg/L	0.190	0.500	1	06/19/22 14:45	JLB	V20175
Styrene	<0.220	µg/L	0.220	0.500	1	06/19/22 14:45	JLB	V20175
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	06/19/22 14:45	JLB	V20175
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	06/19/22 14:45	JLB	V20175
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	06/19/22 14:45	JLB	V20175
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	06/19/22 14:45	JLB	V20175
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 14:45	JLB	V20175
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 14:45	JLB	V20175
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	06/19/22 14:45	JLB	V20175
Toluene	**7.20**	µg/L	0.220	0.500	1	06/19/22 14:45	JLB	V20175
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	06/19/22 14:45	JLB	V20175
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	06/19/22 14:45	JLB	V20175
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	06/19/22 14:45	JLB	V20175
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	06/19/22 14:45	JLB	V20175
Trichloroethene	<0.180	µg/L	0.180	0.500	1	06/19/22 14:45	JLB	V20175
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	06/19/22 14:45	JLB	V20175
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	06/19/22 14:45	JLB	V20175
1,2,4-Trimethylbenzene	**1.45**	µg/L	0.190	0.500	1	06/19/22 14:45	JLB	V20175

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91883**
Sample ID : **MW-9**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:06**

Analytical Method: 6200B **Prep Batch(es):** **V20174** 06/19/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**0.348 J**	µg/L	0.180	0.500	1	06/19/22 14:45	JLB	V20175
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	06/19/22 14:45	JLB	V20175
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	06/19/22 14:45	JLB	V20175
o-Xylene	**1.89**	µg/L	0.210	0.500	1	06/19/22 14:45	JLB	V20175
m,p-Xylene	**4.12**	µg/L	0.420	1.00	1	06/19/22 14:45	JLB	V20175
Xylene (Total)	**6.01**	µg/L	0.210	0.500	1	06/19/22 14:45		V20175
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		1	06/19/22 14:45	JLB	V20175
Surrogate: Dibromofluoromethane	102		Limits: 70-130%		1	06/19/22 14:45	JLB	V20175
Surrogate: 1,2-Dichloroethane - d4	99.0		Limits: 70-130%		1	06/19/22 14:45	JLB	V20175
Surrogate: Toluene-d8	111		Limits: 70-130%		1	06/19/22 14:45	JLB	V20175

Qualifiers/ Definitions

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Project Nics's Pics Kwick

Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **91884**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:22**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<10.0	µg/L	10.0	100	10	06/20/22 08:39	JLB	6200B
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		10	06/20/22 08:39	JLB	V20177
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		10	06/20/22 08:39	JLB	V20177
Surrogate: 1,2-Dichloroethane - d4	98.0		Limits: 70-130%		10	06/20/22 08:39	JLB	V20177
Surrogate: Toluene-d8	111		Limits: 70-130%		10	06/20/22 08:39	JLB	V20177

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91884**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:22**

Analytical Method: 6200B **Prep Batch(es):** **V20176** 06/19/22 14:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<18.0	µg/L	18.0	100	10	06/20/22 08:39	JLB	V20177
Benzene	**62.8**	µg/L	1.80	5.00	10	06/20/22 08:39	JLB	V20177
Bromobenzene	<2.10	µg/L	2.10	5.00	10	06/20/22 08:39	JLB	V20177
Bromochloromethane	<4.20	µg/L	4.20	10.0	10	06/20/22 08:39	JLB	V20177
Bromodichloromethane	<1.60	µg/L	1.60	5.00	10	06/20/22 08:39	JLB	V20177
Bromoform	<15.0	µg/L	15.0	50.0	10	06/20/22 08:39	JLB	V20177
Bromomethane	<2.80	µg/L	2.80	10.0	10	06/20/22 08:39	JLB	V20177
n-Butylbenzene	**9.00**	µg/L	1.80	5.00	10	06/20/22 08:39	JLB	V20177
sec-Butyl benzene	**4.09 J**	µg/L	2.00	5.00	10	06/20/22 08:39	JLB	V20177
tert-Butyl benzene	<9.20	µg/L	9.20	20.0	10	06/20/22 08:39	JLB	V20177
Carbon Tetrachloride	<1.80	µg/L	1.80	5.00	10	06/20/22 08:39	JLB	V20177
Chlorobenzene	<1.90	µg/L	1.90	5.00	10	06/20/22 08:39	JLB	V20177
Chlorodibromomethane	<1.90	µg/L	1.90	5.00	10	06/20/22 08:39	JLB	V20177
Chloroethane	<4.30	µg/L	4.30	10.0	10	06/20/22 08:39	JLB	V20177
Chloroform	<2.20	µg/L	2.20	5.00	10	06/20/22 08:39	JLB	V20177
Chloromethane	<2.20	µg/L	2.20	5.00	10	06/20/22 08:39	JLB	V20177
2-Chlorotoluene	<2.00	µg/L	2.00	5.00	10	06/20/22 08:39	JLB	V20177
4-Chlorotoluene	<2.00	µg/L	2.00	5.00	10	06/20/22 08:39	JLB	V20177
Di-Isopropyl Ether (DIPE)	<5.00	µg/L	5.00	5.00	10	06/20/22 08:39	JLB	V20177
1,2-Dibromo-3-Chloropropane	<11.0	µg/L	11.0	20.0	10	06/20/22 08:39	JLB	V20177
1,2-Dibromoethane	<2.00	µg/L	2.00	5.00	10	06/20/22 08:39	JLB	V20177
Dibromomethane	<2.30	µg/L	2.30	5.00	10	06/20/22 08:39	JLB	V20177

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Danyale Love
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REPORT OF ANALYSIS

Lab No : **91884**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:22**

Analytical Method: 6200B **Prep Batch(es):** **V20176** 06/19/22 14:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<2.20	µg/L	2.20	5.00	10	06/20/22 08:39	JLB	V20177
1,3-Dichlorobenzene	<1.90	µg/L	1.90	5.00	10	06/20/22 08:39	JLB	V20177
1,4-Dichlorobenzene	<2.10	µg/L	2.10	5.00	10	06/20/22 08:39	JLB	V20177
Dichlorodifluoromethane	<12.0	µg/L	12.0	50.0	10	06/20/22 08:39	JLB	V20177
1,1-Dichloroethane	<2.40	µg/L	2.40	5.00	10	06/20/22 08:39	JLB	V20177
1,2-Dichloroethane	<1.50	µg/L	1.50	5.00	10	06/20/22 08:39	JLB	V20177
1,1-Dichloroethene	<1.50	µg/L	1.50	5.00	10	06/20/22 08:39	JLB	V20177
cis-1,2-Dichloroethene	<2.00	µg/L	2.00	5.00	10	06/20/22 08:39	JLB	V20177
trans-1,2-Dichloroethene	<1.80	µg/L	1.80	5.00	10	06/20/22 08:39	JLB	V20177
1,2-Dichloropropane	<1.90	µg/L	1.90	5.00	10	06/20/22 08:39	JLB	V20177
1,3-Dichloropropane	<1.30	µg/L	1.30	5.00	10	06/20/22 08:39	JLB	V20177
2,2-Dichloropropane	<2.10	µg/L	2.10	20.0	10	06/20/22 08:39	JLB	V20177
1,1-Dichloropropene	<2.00	µg/L	2.00	5.00	10	06/20/22 08:39	JLB	V20177
cis-1,3-Dichloropropene	<2.10	µg/L	2.10	5.00	10	06/20/22 08:39	JLB	V20177
trans-1,3-Dichloropropene	<1.50	µg/L	1.50	5.00	10	06/20/22 08:39	JLB	V20177
Ethanol	<420	µg/L	420	2000	10	06/20/22 08:39	JLB	V20177
Ethylbenzene	**203**	µg/L	1.70	5.00	10	06/20/22 08:39	JLB	V20177
Hexachlorobutadiene	<3.50	µg/L	3.50	30.0	10	06/20/22 08:39	JLB	V20177
2-Hexanone	**14.9**	µg/L	3.80	10.0	10	06/20/22 08:39	JLB	V20177
Isopropylbenzene	**17.8**	µg/L	1.80	5.00	10	06/20/22 08:39	JLB	V20177
4-Isopropyl toluene	**2.37 J**	µg/L	0.890	5.00	10	06/20/22 08:39	JLB	V20177
Methyl Ethyl Ketone (MEK)	<7.10	µg/L	7.10	50.0	10	06/20/22 08:39	JLB	V20177

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Danyale Love
Project Manager

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REPORT OF ANALYSIS

Lab No : **91884**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:22**

Analytical Method: 6200B **Prep Batch(es):** **V20176** 06/19/22 14:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	<1.40	µg/L	1.40	10.0	10	06/20/22 08:39	JLB	V20177
4-Methyl-2-Pentanone	**12.6**	µg/L	0.780	10.0	10	06/20/22 08:39	JLB	V20177
Methylene Chloride	<3.30	µg/L	3.30	20.0	10	06/20/22 08:39	JLB	V20177
Naphthalene	**88.6**	µg/L	4.70	10.0	10	06/20/22 08:39	JLB	V20177
n-Propylbenzene	**64.5**	µg/L	1.90	5.00	10	06/20/22 08:39	JLB	V20177
Styrene	<2.20	µg/L	2.20	5.00	10	06/20/22 08:39	JLB	V20177
tert-Butyl Alcohol (TBA)	<16.0	µg/L	16.0	100	10	06/20/22 08:39	JLB	V20177
tert-Butyl formate (TBF)	<3.50	µg/L	3.50	100	10	06/20/22 08:39	JLB	V20177
tert-Amyl Alcohol (TAA)	**157**	µg/L	19.0	100	10	06/20/22 08:39	JLB	V20177
tert-Amyl Methyl Ether (TAME)	<2.80	µg/L	2.80	100	10	06/20/22 08:39	JLB	V20177
1,1,1,2-Tetrachloroethane	<1.60	µg/L	1.60	5.00	10	06/20/22 08:39	JLB	V20177
1,1,2,2-Tetrachloroethane	<1.60	µg/L	1.60	5.00	10	06/20/22 08:39	JLB	V20177
Tetrachloroethene	<2.20	µg/L	2.20	5.00	10	06/20/22 08:39	JLB	V20177
Toluene	**15.5**	µg/L	2.20	5.00	10	06/20/22 08:39	JLB	V20177
1,2,3-Trichlorobenzene	<3.80	µg/L	3.80	5.00	10	06/20/22 08:39	JLB	V20177
1,2,4-Trichlorobenzene	<3.10	µg/L	3.10	5.00	10	06/20/22 08:39	JLB	V20177
1,1,1-Trichloroethane	<1.60	µg/L	1.60	5.00	10	06/20/22 08:39	JLB	V20177
1,1,2-Trichloroethane	<0.960	µg/L	0.960	5.00	10	06/20/22 08:39	JLB	V20177
Trichloroethene	<1.80	µg/L	1.80	5.00	10	06/20/22 08:39	JLB	V20177
Trichlorofluoromethane	<1.80	µg/L	1.80	5.00	10	06/20/22 08:39	JLB	V20177
1,2,3-Trichloropropane	<2.70	µg/L	2.70	5.00	10	06/20/22 08:39	JLB	V20177
1,2,4-Trimethylbenzene	**363**	µg/L	1.90	5.00	10	06/20/22 08:39	JLB	V20177

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #3024

Report Date : 06/22/2022
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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91884**
Sample ID : **MW-8**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:22**

Analytical Method: 6200B **Prep Batch(es):** **V20176** 06/19/22 14:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**115**	µg/L	1.80	5.00	10	06/20/22 08:39	JLB	V20177
Vinyl Acetate	<10.0	µg/L	10.0	50.0	10	06/20/22 08:39	JLB	V20177
Vinyl Chloride	<1.70	µg/L	1.70	5.00	10	06/20/22 08:39	JLB	V20177
o-Xylene	**14.2**	µg/L	2.10	5.00	10	06/20/22 08:39	JLB	V20177
m,p-Xylene	**332**	µg/L	4.20	10.0	10	06/20/22 08:39	JLB	V20177
Xylene (Total)	**346**	µg/L	2.10	5.00	10	06/20/22 08:39		V20177
Surrogate: 4-Bromofluorobenzene	102		Limits: 70-130%		10	06/20/22 08:39	JLB	V20177
Surrogate: Dibromofluoromethane	101		Limits: 70-130%		10	06/20/22 08:39	JLB	V20177
Surrogate: 1,2-Dichloroethane - d4	98.0		Limits: 70-130%		10	06/20/22 08:39	JLB	V20177
Surrogate: Toluene-d8	111		Limits: 70-130%		10	06/20/22 08:39	JLB	V20177

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Report Date : 06/22/2022
Received : 06/10/2022

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **91885**
Sample ID : **MW-4**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:41**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	06/21/22 14:39	JLB	6200B
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		1	06/21/22 14:39	JLB	V20304
Surrogate: Dibromofluoromethane	98.4		Limits: 70-130%		1	06/21/22 14:39	JLB	V20304
Surrogate: 1,2-Dichloroethane - d4	98.8		Limits: 70-130%		1	06/21/22 14:39	JLB	V20304
Surrogate: Toluene-d8	112		Limits: 70-130%		1	06/21/22 14:39	JLB	V20304

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #3024

Report Date : 06/22/2022
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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91885**
Sample ID : **MW-4**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:41**

Analytical Method: 6200B **Prep Batch(es):** **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Acetone	<1.80	µg/L	1.80	10.0	1	06/21/22 14:39	JLB	V20304
Benzene	**1.34**	µg/L	0.180	0.500	1	06/21/22 14:39	JLB	V20304
Bromobenzene	<0.210	µg/L	0.210	0.500	1	06/21/22 14:39	JLB	V20304
Bromochloromethane	<0.420	µg/L	0.420	1.00	1	06/21/22 14:39	JLB	V20304
Bromodichloromethane	<0.160	µg/L	0.160	0.500	1	06/21/22 14:39	JLB	V20304
Bromoform	<1.50	µg/L	1.50	5.00	1	06/21/22 14:39	JLB	V20304
Bromomethane	<0.280	µg/L	0.280	1.00	1	06/21/22 14:39	JLB	V20304
n-Butylbenzene	<0.180	µg/L	0.180	0.500	1	06/21/22 14:39	JLB	V20304
sec-Butyl benzene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:39	JLB	V20304
tert-Butyl benzene	<0.920	µg/L	0.920	2.00	1	06/21/22 14:39	JLB	V20304
Carbon Tetrachloride	<0.180	µg/L	0.180	0.500	1	06/21/22 14:39	JLB	V20304
Chlorobenzene	<0.190	µg/L	0.190	0.500	1	06/21/22 14:39	JLB	V20304
Chlorodibromomethane	<0.190	µg/L	0.190	0.500	1	06/21/22 14:39	JLB	V20304
Chloroethane	<0.430	µg/L	0.430	1.00	1	06/21/22 14:39	JLB	V20304
Chloroform	<0.220	µg/L	0.220	0.500	1	06/21/22 14:39	JLB	V20304
Chloromethane	**1.19**	µg/L	0.220	0.500	1	06/21/22 14:39	JLB	V20304
2-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:39	JLB	V20304
4-Chlorotoluene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:39	JLB	V20304
Di-Isopropyl Ether (DIPE)	**0.620**	µg/L	0.500	0.500	1	06/21/22 14:39	JLB	V20304
1,2-Dibromo-3-Chloropropane	<1.10	µg/L	1.10	2.00	1	06/21/22 14:39	JLB	V20304
1,2-Dibromoethane	<0.200	µg/L	0.200	0.500	1	06/21/22 14:39	JLB	V20304
Dibromomethane	<0.230	µg/L	0.230	0.500	1	06/21/22 14:39	JLB	V20304

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91885**
Sample ID : **MW-4**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:41**

Analytical Method: 6200B **Prep Batch(es):** **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dichlorobenzene	<0.220	µg/L	0.220	0.500	1	06/21/22 14:39	JLB	V20304
1,3-Dichlorobenzene	<0.190	µg/L	0.190	0.500	1	06/21/22 14:39	JLB	V20304
1,4-Dichlorobenzene	<0.210	µg/L	0.210	0.500	1	06/21/22 14:39	JLB	V20304
Dichlorodifluoromethane	<1.20	µg/L	1.20	5.00	1	06/21/22 14:39	JLB	V20304
1,1-Dichloroethane	<0.240	µg/L	0.240	0.500	1	06/21/22 14:39	JLB	V20304
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	06/21/22 14:39	JLB	V20304
1,1-Dichloroethene	<0.150	µg/L	0.150	0.500	1	06/21/22 14:39	JLB	V20304
cis-1,2-Dichloroethene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:39	JLB	V20304
trans-1,2-Dichloroethene	<0.180	µg/L	0.180	0.500	1	06/21/22 14:39	JLB	V20304
1,2-Dichloropropane	<0.190	µg/L	0.190	0.500	1	06/21/22 14:39	JLB	V20304
1,3-Dichloropropane	<0.130	µg/L	0.130	0.500	1	06/21/22 14:39	JLB	V20304
2,2-Dichloropropane	<0.210	µg/L	0.210	2.00	1	06/21/22 14:39	JLB	V20304
1,1-Dichloropropene	<0.200	µg/L	0.200	0.500	1	06/21/22 14:39	JLB	V20304
cis-1,3-Dichloropropene	<0.210	µg/L	0.210	0.500	1	06/21/22 14:39	JLB	V20304
trans-1,3-Dichloropropene	<0.150	µg/L	0.150	0.500	1	06/21/22 14:39	JLB	V20304
Ethanol	<42.0	µg/L	42.0	200	1	06/21/22 14:39	JLB	V20304
Ethylbenzene	**1.03**	µg/L	0.170	0.500	1	06/21/22 14:39	JLB	V20304
Hexachlorobutadiene	<0.350	µg/L	0.350	3.00	1	06/21/22 14:39	JLB	V20304
2-Hexanone	<0.380	µg/L	0.380	1.00	1	06/21/22 14:39	JLB	V20304
Isopropylbenzene	**0.337 J**	µg/L	0.180	0.500	1	06/21/22 14:39	JLB	V20304
4-Isopropyl toluene	<0.089	µg/L	0.089	0.500	1	06/21/22 14:39	JLB	V20304
Methyl Ethyl Ketone (MEK)	<0.710	µg/L	0.710	5.00	1	06/21/22 14:39	JLB	V20304

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Information : GRI #3024

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Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91885**
Sample ID : **MW-4**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:41**

Analytical Method: 6200B **Prep Batch(es):** **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Methyl tert-butyl ether (MTBE)	**1.60**	µg/L	0.140	1.00	1	06/21/22 14:39	JLB	V20304
4-Methyl-2-Pentanone	**2.05**	µg/L	0.078	1.00	1	06/21/22 14:39	JLB	V20304
Methylene Chloride	<0.330	µg/L	0.330	2.00	1	06/21/22 14:39	JLB	V20304
Naphthalene	**2.72**	µg/L	0.470	1.00	1	06/21/22 14:39	JLB	V20304
n-Propylbenzene	**0.366 J**	µg/L	0.190	0.500	1	06/21/22 14:39	JLB	V20304
Styrene	<0.220	µg/L	0.220	0.500	1	06/21/22 14:39	JLB	V20304
tert-Butyl Alcohol (TBA)	**18.1**	µg/L	1.60	10.0	1	06/21/22 14:39	JLB	V20304
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	06/21/22 14:39	JLB	V20304
tert-Amyl Alcohol (TAA)	**25.4**	µg/L	1.90	10.0	1	06/21/22 14:39	JLB	V20304
tert-Amyl Methyl Ether (TAME)	**0.318 J**	µg/L	0.280	10.0	1	06/21/22 14:39	JLB	V20304
1,1,1,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/21/22 14:39	JLB	V20304
1,1,2,2-Tetrachloroethane	<0.160	µg/L	0.160	0.500	1	06/21/22 14:39	JLB	V20304
Tetrachloroethene	<0.220	µg/L	0.220	0.500	1	06/21/22 14:39	JLB	V20304
Toluene	**1.63**	µg/L	0.220	0.500	1	06/21/22 14:39	JLB	V20304
1,2,3-Trichlorobenzene	<0.380	µg/L	0.380	0.500	1	06/21/22 14:39	JLB	V20304
1,2,4-Trichlorobenzene	<0.310	µg/L	0.310	0.500	1	06/21/22 14:39	JLB	V20304
1,1,1-Trichloroethane	<0.160	µg/L	0.160	0.500	1	06/21/22 14:39	JLB	V20304
1,1,2-Trichloroethane	<0.096	µg/L	0.096	0.500	1	06/21/22 14:39	JLB	V20304
Trichloroethene	<0.180	µg/L	0.180	0.500	1	06/21/22 14:39	JLB	V20304
Trichlorofluoromethane	<0.180	µg/L	0.180	0.500	1	06/21/22 14:39	JLB	V20304
1,2,3-Trichloropropane	<0.270	µg/L	0.270	0.500	1	06/21/22 14:39	JLB	V20304
1,2,4-Trimethylbenzene	**1.10**	µg/L	0.190	0.500	1	06/21/22 14:39	JLB	V20304

Qualifiers/ Definitions
DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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00087
Geological Resources, Inc.
Scott Driscoll
3502 Hayes Road
Monroe , NC 28110

Project Nics's Pics Kwick

Information : GRI #3024

Report Date : 06/22/2022
Received : 06/10/2022

Danyale Love
Project Manager

Report Number : **22-161-0024**

REPORT OF ANALYSIS

Lab No : **91885**
Sample ID : **MW-4**

Matrix: **Aqueous**
Sampled: **6/8/2022 13:41**

Analytical Method: 6200B **Prep Batch(es):** **V20302** 06/21/22 09:00
Prep Method: 6200 PT

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,3,5-Trimethylbenzene	**0.329 J**	µg/L	0.180	0.500	1	06/21/22 14:39	JLB	V20304
Vinyl Acetate	<1.00	µg/L	1.00	5.00	1	06/21/22 14:39	JLB	V20304
Vinyl Chloride	<0.170	µg/L	0.170	0.500	1	06/21/22 14:39	JLB	V20304
o-Xylene	**0.865**	µg/L	0.210	0.500	1	06/21/22 14:39	JLB	V20304
m,p-Xylene	**1.97**	µg/L	0.420	1.00	1	06/21/22 14:39	JLB	V20304
Xylene (Total)	**2.84**	µg/L	0.210	0.500	1	06/21/22 14:39		V20304
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		1	06/21/22 14:39	JLB	V20304
Surrogate: Dibromofluoromethane	98.4		Limits: 70-130%		1	06/21/22 14:39	JLB	V20304
Surrogate: 1,2-Dichloroethane - d4	98.8		Limits: 70-130%		1	06/21/22 14:39	JLB	V20304
Surrogate: Toluene-d8	112		Limits: 70-130%		1	06/21/22 14:39	JLB	V20304

Qualifiers/ Definitions

DF Dilution Factor
MQL Method Quantitation Limit
J Estimated value

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20174
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20175
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20174 Matrix: AQU
Associated Lab Samples: 91878, 91879, 91881, 91883

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	µg/L	<1.80	1.80	10.0	06/19/22 12:22		
Benzene	µg/L	<0.180	0.180	0.500	06/19/22 12:22		
Bromobenzene	µg/L	<0.210	0.210	0.500	06/19/22 12:22		
Bromochloromethane	µg/L	<0.420	0.420	1.00	06/19/22 12:22		
Bromodichloromethane	µg/L	<0.160	0.160	0.500	06/19/22 12:22		
Bromoform	µg/L	<1.50	1.50	5.00	06/19/22 12:22		
Bromomethane	µg/L	<0.280	0.280	1.00	06/19/22 12:22		
n-Butylbenzene	µg/L	<0.180	0.180	0.500	06/19/22 12:22		
sec-Butyl benzene	µg/L	<0.200	0.200	0.500	06/19/22 12:22		
tert-Butyl benzene	µg/L	<0.920	0.920	2.00	06/19/22 12:22		
Carbon Tetrachloride	µg/L	<0.180	0.180	0.500	06/19/22 12:22		
Chlorobenzene	µg/L	<0.190	0.190	0.500	06/19/22 12:22		
Chlorodibromomethane	µg/L	<0.190	0.190	0.500	06/19/22 12:22		
Chloroethane	µg/L	<0.430	0.430	1.00	06/19/22 12:22		
Chloroform	µg/L	<0.220	0.220	0.500	06/19/22 12:22		
Chloromethane	µg/L	<0.220	0.220	0.500	06/19/22 12:22		
2-Chlorotoluene	µg/L	<0.200	0.200	0.500	06/19/22 12:22		
4-Chlorotoluene	µg/L	<0.200	0.200	0.500	06/19/22 12:22		
Di-Isopropyl Ether (DIPE)	µg/L	<0.500	0.500	0.500	06/19/22 12:22		
1,2-Dibromo-3-Chloropropane	µg/L	<1.10	1.10	2.00	06/19/22 12:22		
1,2-Dibromoethane	µg/L	<0.200	0.200	0.500	06/19/22 12:22		
Dibromomethane	µg/L	<0.230	0.230	0.500	06/19/22 12:22		
1,2-Dichlorobenzene	µg/L	<0.220	0.220	0.500	06/19/22 12:22		
1,3-Dichlorobenzene	µg/L	<0.190	0.190	0.500	06/19/22 12:22		
1,4-Dichlorobenzene	µg/L	<0.210	0.210	0.500	06/19/22 12:22		
Dichlorodifluoromethane	µg/L	<1.20	1.20	5.00	06/19/22 12:22		
1,1-Dichloroethane	µg/L	<0.240	0.240	0.500	06/19/22 12:22		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20174
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20175
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20174 Matrix: AQU
Associated Lab Samples: 91878, 91879, 91881, 91883

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	06/19/22 12:22		
1,1-Dichloroethene	µg/L	<0.150	0.150	0.500	06/19/22 12:22		
cis-1,2-Dichloroethene	µg/L	<0.200	0.200	0.500	06/19/22 12:22		
trans-1,2-Dichloroethene	µg/L	<0.180	0.180	0.500	06/19/22 12:22		
1,2-Dichloropropane	µg/L	<0.190	0.190	0.500	06/19/22 12:22		
1,3-Dichloropropane	µg/L	<0.130	0.130	0.500	06/19/22 12:22		
2,2-Dichloropropane	µg/L	<0.210	0.210	2.00	06/19/22 12:22		
1,1-Dichloropropene	µg/L	<0.200	0.200	0.500	06/19/22 12:22		
cis-1,3-Dichloropropene	µg/L	<0.210	0.210	0.500	06/19/22 12:22		
trans-1,3-Dichloropropene	µg/L	<0.150	0.150	0.500	06/19/22 12:22		
Ethanol	µg/L	<42.0	42.0	200	06/19/22 12:22		
Ethylbenzene	µg/L	<0.170	0.170	0.500	06/19/22 12:22		
Hexachlorobutadiene	µg/L	<0.350	0.350	3.00	06/19/22 12:22		
2-Hexanone	µg/L	<0.380	0.380	1.00	06/19/22 12:22		
Isopropylbenzene	µg/L	<0.180	0.180	0.500	06/19/22 12:22		
4-Isopropyl toluene	µg/L	<0.089	0.089	0.500	06/19/22 12:22		
Methyl Ethyl Ketone (MEK)	µg/L	<0.710	0.710	5.00	06/19/22 12:22		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	1.00	06/19/22 12:22		
4-Methyl-2-Pentanone	µg/L	<0.078	0.078	1.00	06/19/22 12:22		
Methylene Chloride	µg/L	<0.330	0.330	2.00	06/19/22 12:22		
Naphthalene	µg/L	<0.470	0.470	1.00	06/19/22 12:22		
n-Propylbenzene	µg/L	<0.190	0.190	0.500	06/19/22 12:22		
Styrene	µg/L	<0.220	0.220	0.500	06/19/22 12:22		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	06/19/22 12:22		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	06/19/22 12:22		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	06/19/22 12:22		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	06/19/22 12:22		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20174
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20175
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20174 Matrix: AQU
Associated Lab Samples: 91878, 91879, 91881, 91883

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,1,1,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	06/19/22 12:22		
1,1,2,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	06/19/22 12:22		
Tetrachloroethene	µg/L	<0.220	0.220	0.500	06/19/22 12:22		
Toluene	µg/L	<0.220	0.220	0.500	06/19/22 12:22		
1,2,3-Trichlorobenzene	µg/L	<0.380	0.380	0.500	06/19/22 12:22		
1,2,4-Trichlorobenzene	µg/L	<0.310	0.310	0.500	06/19/22 12:22		
1,1,1-Trichloroethane	µg/L	<0.160	0.160	0.500	06/19/22 12:22		
1,1,2-Trichloroethane	µg/L	<0.096	0.096	0.500	06/19/22 12:22		
Trichloroethene	µg/L	<0.180	0.180	0.500	06/19/22 12:22		
Trichlorofluoromethane	µg/L	<0.180	0.180	0.500	06/19/22 12:22		
1,2,3-Trichloropropane	µg/L	<0.270	0.270	0.500	06/19/22 12:22		
1,2,4-Trimethylbenzene	µg/L	<0.190	0.190	0.500	06/19/22 12:22		
1,3,5-Trimethylbenzene	µg/L	<0.180	0.180	0.500	06/19/22 12:22		
Vinyl Acetate	µg/L	<1.00	1.00	5.00	06/19/22 12:22		
Vinyl Chloride	µg/L	<0.170	0.170	0.500	06/19/22 12:22		
o-Xylene	µg/L	<0.210	0.210	0.500	06/19/22 12:22		
m,p-Xylene	µg/L	<0.420	0.420	1.00	06/19/22 12:22		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	06/19/22 12:22		
4-Bromofluorobenzene (S)					06/19/22 12:22	98.8	70-130
Dibromofluoromethane (S)					06/19/22 12:22	102	70-130
1,2-Dichloroethane - d4 (S)					06/19/22 12:22	97.8	70-130
Toluene-d8 (S)					06/19/22 12:22	111	70-130

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20174
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20175
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20174 LCSD-V20174

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	µg/L	40.0	35.8	31.9	89.5	79.7	40-160	11.5	20.0
Benzene	µg/L	20.0	17.5	16.9	87.5	84.5	70-130	3.4	20.0
Bromobenzene	µg/L	20.0	21.9	21.8	110	109	70-130	0.4	20.0
Bromochloromethane	µg/L	20.0	17.7	16.7	88.5	83.5	70-130	5.8	20.0
Bromodichloromethane	µg/L	20.0	16.7	16.2	83.5	81.0	70-130	3.0	20.0
Bromoform	µg/L	20.0	22.6	21.5	113	108	70-130	4.9	20.0
Bromomethane	µg/L	20.0	15.3	15.6	76.5	78.0	60-140	1.9	20.0
n-Butylbenzene	µg/L	20.0	22.7	22.2	114	111	70-130	2.2	20.0
sec-Butyl benzene	µg/L	20.0	22.4	22.1	112	111	70-130	1.3	20.0
tert-Butyl benzene	µg/L	20.0	22.0	22.0	110	110	70-130	0.0	20.0
Carbon Tetrachloride	µg/L	20.0	18.0	17.9	90.0	89.5	70-130	0.5	20.0
Chlorobenzene	µg/L	20.0	21.1	20.6	106	103	70-130	2.3	20.0
Chlorodibromomethane	µg/L	20.0	22.6	21.0	113	105	70-130	7.3	20.0
Chloroethane	µg/L	20.0	16.4	16.2	82.0	81.0	60-140	1.2	20.0
Chloroform	µg/L	20.0	16.7	16.4	83.5	82.0	70-130	1.8	20.0
Chloromethane	µg/L	20.0	16.2	15.3	81.0	76.5	60-140	5.7	20.0
2-Chlorotoluene	µg/L	20.0	22.4	22.6	112	113	70-130	0.8	20.0
4-Chlorotoluene	µg/L	20.0	22.2	22.0	111	110	70-130	0.9	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	15.2	14.8	76.0	74.0	70-130	2.6	20.0
1,2-Dibromo-3-Chloropropane	µg/L	20.0	25.9	24.8	130	124	70-130	4.3	20.0
1,2-Dibromoethane	µg/L	20.0	20.8	20.6	104	103	70-130	0.9	20.0
Dibromomethane	µg/L	20.0	17.4	17.0	87.0	85.0	70-130	2.3	20.0
1,2-Dichlorobenzene	µg/L	20.0	23.4	22.7	117	114	70-130	3.0	20.0
1,3-Dichlorobenzene	µg/L	20.0	23.6	23.8	118	119	70-130	0.8	20.0
1,4-Dichlorobenzene	µg/L	20.0	23.4	23.3	117	117	70-130	0.4	20.0
Dichlorodifluoromethane	µg/L	20.0	24.2	23.4	121	117	60-140	3.3	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20174
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20175
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20174 LCSD-V20174

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,1-Dichloroethane	µg/L	20.0	16.7	16.4	83.5	82.0	70-130	1.8	20.0
1,2-Dichloroethane	µg/L	20.0	16.4	16.1	82.0	80.5	70-130	1.8	20.0
1,1-Dichloroethene	µg/L	20.0	15.8	15.0	79.0	75.0	70-130	5.1	20.0
cis-1,2-Dichloroethene	µg/L	20.0	15.9	15.5	79.5	77.5	70-130	2.5	20.0
trans-1,2-Dichloroethene	µg/L	20.0	16.0	15.3	80.0	76.5	70-130	4.4	20.0
1,2-Dichloropropane	µg/L	20.0	17.3	16.3	86.5	81.5	70-130	5.9	20.0
1,3-Dichloropropane	µg/L	20.0	20.5	19.5	103	97.5	70-130	5.0	20.0
2,2-Dichloropropane	µg/L	20.0	17.2	16.3	86.0	81.5	70-130	5.3	20.0
1,1-Dichloropropene	µg/L	20.0	17.0	16.4	85.0	82.0	70-130	3.5	20.0
cis-1,3-Dichloropropene	µg/L	20.0	17.7	17.1	88.5	85.5	70-130	3.4	20.0
trans-1,3-Dichloropropene	µg/L	20.0	17.7	17.1	88.5	85.5	70-130	3.4	20.0
Ethanol	µg/L	500	390	360	78.0	72.0	60-140	8.0	20.0
Ethylbenzene	µg/L	20.0	20.7	20.2	104	101	70-130	2.4	20.0
Hexachlorobutadiene	µg/L	20.0	23.5	23.4	118	117	70-130	0.4	20.0
2-Hexanone	µg/L	20.0	19.9	18.5	99.5	92.5	60-140	7.2	20.0
Isopropylbenzene	µg/L	20.0	22.8	23.0	114	115	70-130	0.8	20.0
4-Isopropyl toluene	µg/L	20.0	22.7	22.8	114	114	70-130	0.4	20.0
Methyl Ethyl Ketone (MEK)	µg/L	20.0	16.9	20.8	84.5	104	60-140	20.6*	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	17.9	17.2	89.5	86.0	70-130	3.9	20.0
4-Methyl-2-Pentanone	µg/L	20.0	17.2	15.2	86.0	76.0	60-140	12.3	20.0
Methylene Chloride	µg/L	20.0	15.1	14.5	75.5	72.5	70-130	4.0	20.0
Naphthalene	µg/L	20.0	25.5	23.4	128	117	70-130	8.5	20.0
n-Propylbenzene	µg/L	20.0	22.5	22.3	113	112	70-130	0.8	20.0
Styrene	µg/L	20.0	20.6	20.5	103	103	70-130	0.4	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	34.1	32.4	85.2	81.0	40-140	5.1	20.0
tert-Butyl formate (TBF)	µg/L	40.0	38.0	35.5	95.0	88.7	40-140	6.8	20.0

* QC Fail

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20174
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20175
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20174 LCSD-V20174

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
tert-Amyl Alcohol (TAA)	µg/L	20.0	19.2	16.6	96.0	83.0	40-140	14.5	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	37.9	35.9	94.7	89.7	40-140	5.4	20.0
1,1,1,2-Tetrachloroethane	µg/L	20.0	21.2	21.0	106	105	70-130	0.9	20.0
1,1,2,2-Tetrachloroethane	µg/L	20.0	23.5	21.1	118	106	70-130	10.7	20.0
Tetrachloroethene	µg/L	20.0	20.4	19.9	102	99.5	70-130	2.4	20.0
Toluene	µg/L	20.0	18.2	17.7	91.0	88.5	70-130	2.7	20.0
1,2,3-Trichlorobenzene	µg/L	20.0	26.0	25.0	130	125	70-130	3.9	20.0
1,2,4-Trichlorobenzene	µg/L	20.0	25.3	24.2	127	121	70-130	4.4	20.0
1,1,1-Trichloroethane	µg/L	20.0	17.4	16.7	87.0	83.5	70-130	4.1	20.0
1,1,2-Trichloroethane	µg/L	20.0	18.1	17.4	90.5	87.0	70-130	3.9	20.0
Trichloroethene	µg/L	20.0	17.2	17.1	86.0	85.5	70-130	0.5	20.0
Trichlorofluoromethane	µg/L	20.0	18.9	18.6	94.5	93.0	60-140	1.6	20.0
1,2,3-Trichloropropane	µg/L	20.0	21.8	21.1	109	106	70-130	3.2	20.0
1,2,4-Trimethylbenzene	µg/L	20.0	22.3	22.2	112	111	70-130	0.4	20.0
1,3,5-Trimethylbenzene	µg/L	20.0	22.1	21.8	111	109	70-130	1.3	20.0
Vinyl Acetate	µg/L	20.0	18.0	15.8	90.0	79.0	60-140	13.0	20.0
Vinyl Chloride	µg/L	20.0	20.8	20.2	104	101	60-140	2.9	20.0
o-Xylene	µg/L	20.0	20.2	19.5	101	97.5	70-130	3.5	20.0
m,p-Xylene	µg/L	40.0	42.9	42.0	107	105	70-130	2.1	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	20.2	20.8	101	104	70-130	2.9	20.0
4-Bromofluorobenzene (S)					101	101	70-130		
Dibromofluoromethane (S)					100	100	70-130		
1,2-Dichloroethane - d4 (S)					103	101	70-130		
Toluene-d8 (S)					113	113	70-130		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20176
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20177
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20176 Matrix: AQU
Associated Lab Samples: 91884

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	µg/L	<1.80	1.80	10.0	06/20/22 00:42		
Benzene	µg/L	<0.180	0.180	0.500	06/20/22 00:42		
Bromobenzene	µg/L	<0.210	0.210	0.500	06/20/22 00:42		
Bromochloromethane	µg/L	<0.420	0.420	1.00	06/20/22 00:42		
Bromodichloromethane	µg/L	<0.160	0.160	0.500	06/20/22 00:42		
Bromoform	µg/L	<1.50	1.50	5.00	06/20/22 00:42		
Bromomethane	µg/L	<0.280	0.280	1.00	06/20/22 00:42		
n-Butylbenzene	µg/L	<0.180	0.180	0.500	06/20/22 00:42		
sec-Butyl benzene	µg/L	<0.200	0.200	0.500	06/20/22 00:42		
tert-Butyl benzene	µg/L	<0.920	0.920	2.00	06/20/22 00:42		
Carbon Tetrachloride	µg/L	<0.180	0.180	0.500	06/20/22 00:42		
Chlorobenzene	µg/L	<0.190	0.190	0.500	06/20/22 00:42		
Chlorodibromomethane	µg/L	<0.190	0.190	0.500	06/20/22 00:42		
Chloroethane	µg/L	<0.430	0.430	1.00	06/20/22 00:42		
Chloroform	µg/L	<0.220	0.220	0.500	06/20/22 00:42		
Chloromethane	µg/L	<0.220	0.220	0.500	06/20/22 00:42		
2-Chlorotoluene	µg/L	<0.200	0.200	0.500	06/20/22 00:42		
4-Chlorotoluene	µg/L	<0.200	0.200	0.500	06/20/22 00:42		
Di-Isopropyl Ether (DIPE)	µg/L	<0.500	0.500	0.500	06/20/22 00:42		
1,2-Dibromo-3-Chloropropane	µg/L	<1.10	1.10	2.00	06/20/22 00:42		
1,2-Dibromoethane	µg/L	<0.200	0.200	0.500	06/20/22 00:42		
Dibromomethane	µg/L	<0.230	0.230	0.500	06/20/22 00:42		
1,2-Dichlorobenzene	µg/L	<0.220	0.220	0.500	06/20/22 00:42		
1,3-Dichlorobenzene	µg/L	<0.190	0.190	0.500	06/20/22 00:42		
1,4-Dichlorobenzene	µg/L	<0.210	0.210	0.500	06/20/22 00:42		
Dichlorodifluoromethane	µg/L	<1.20	1.20	5.00	06/20/22 00:42		
1,1-Dichloroethane	µg/L	<0.240	0.240	0.500	06/20/22 00:42		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20176
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20177
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20176 Matrix: AQU
Associated Lab Samples: 91884

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	06/20/22 00:42		
1,1-Dichloroethene	µg/L	<0.150	0.150	0.500	06/20/22 00:42		
cis-1,2-Dichloroethene	µg/L	<0.200	0.200	0.500	06/20/22 00:42		
trans-1,2-Dichloroethene	µg/L	<0.180	0.180	0.500	06/20/22 00:42		
1,2-Dichloropropane	µg/L	<0.190	0.190	0.500	06/20/22 00:42		
1,3-Dichloropropane	µg/L	<0.130	0.130	0.500	06/20/22 00:42		
2,2-Dichloropropane	µg/L	<0.210	0.210	2.00	06/20/22 00:42		
1,1-Dichloropropene	µg/L	<0.200	0.200	0.500	06/20/22 00:42		
cis-1,3-Dichloropropene	µg/L	<0.210	0.210	0.500	06/20/22 00:42		
trans-1,3-Dichloropropene	µg/L	<0.150	0.150	0.500	06/20/22 00:42		
Ethanol	µg/L	<42.0	42.0	200	06/20/22 00:42		
Ethylbenzene	µg/L	<0.170	0.170	0.500	06/20/22 00:42		
Hexachlorobutadiene	µg/L	<0.350	0.350	3.00	06/20/22 00:42		
2-Hexanone	µg/L	<0.380	0.380	1.00	06/20/22 00:42		
Isopropylbenzene	µg/L	<0.180	0.180	0.500	06/20/22 00:42		
4-Isopropyl toluene	µg/L	<0.089	0.089	0.500	06/20/22 00:42		
Methyl Ethyl Ketone (MEK)	µg/L	<0.710	0.710	5.00	06/20/22 00:42		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	1.00	06/20/22 00:42		
4-Methyl-2-Pentanone	µg/L	<0.078	0.078	1.00	06/20/22 00:42		
Methylene Chloride	µg/L	<0.330	0.330	2.00	06/20/22 00:42		
Naphthalene	µg/L	<0.470	0.470	1.00	06/20/22 00:42		
n-Propylbenzene	µg/L	<0.190	0.190	0.500	06/20/22 00:42		
Styrene	µg/L	<0.220	0.220	0.500	06/20/22 00:42		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	06/20/22 00:42		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	06/20/22 00:42		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	06/20/22 00:42		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	06/20/22 00:42		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20176
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20177
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20176 Matrix: AQU
Associated Lab Samples: 91884

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,1,1,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	06/20/22 00:42		
1,1,2,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	06/20/22 00:42		
Tetrachloroethene	µg/L	<0.220	0.220	0.500	06/20/22 00:42		
Toluene	µg/L	<0.220	0.220	0.500	06/20/22 00:42		
1,2,3-Trichlorobenzene	µg/L	<0.380	0.380	0.500	06/20/22 00:42		
1,2,4-Trichlorobenzene	µg/L	<0.310	0.310	0.500	06/20/22 00:42		
1,1,1-Trichloroethane	µg/L	<0.160	0.160	0.500	06/20/22 00:42		
1,1,2-Trichloroethane	µg/L	<0.096	0.096	0.500	06/20/22 00:42		
Trichloroethene	µg/L	<0.180	0.180	0.500	06/20/22 00:42		
Trichlorofluoromethane	µg/L	<0.180	0.180	0.500	06/20/22 00:42		
1,2,3-Trichloropropane	µg/L	<0.270	0.270	0.500	06/20/22 00:42		
1,2,4-Trimethylbenzene	µg/L	<0.190	0.190	0.500	06/20/22 00:42		
1,3,5-Trimethylbenzene	µg/L	<0.180	0.180	0.500	06/20/22 00:42		
Vinyl Acetate	µg/L	<1.00	1.00	5.00	06/20/22 00:42		
Vinyl Chloride	µg/L	<0.170	0.170	0.500	06/20/22 00:42		
o-Xylene	µg/L	<0.210	0.210	0.500	06/20/22 00:42		
m,p-Xylene	µg/L	<0.420	0.420	1.00	06/20/22 00:42		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	06/20/22 00:42		
4-Bromofluorobenzene (S)					06/20/22 00:42	98.4	70-130
Dibromofluoromethane (S)					06/20/22 00:42	99.8	70-130
1,2-Dichloroethane - d4 (S)					06/20/22 00:42	97.6	70-130
Toluene-d8 (S)					06/20/22 00:42	111	70-130

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20176
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20177
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20176 LCSD-V20176

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	µg/L	40.0	35.8	31.9	89.5	79.7	40-160	11.5	20.0
Benzene	µg/L	20.0	18.0	17.8	90.0	89.0	70-130	1.1	20.0
Bromobenzene	µg/L	20.0	22.6	22.8	113	114	70-130	0.8	20.0
Bromochloromethane	µg/L	20.0	18.8	17.3	94.0	86.5	70-130	8.3	20.0
Bromodichloromethane	µg/L	20.0	16.8	16.4	84.0	82.0	70-130	2.4	20.0
Bromoform	µg/L	20.0	22.9	21.8	115	109	70-130	4.9	20.0
Bromomethane	µg/L	20.0	16.0	17.3	80.0	86.5	60-140	7.8	20.0
n-Butylbenzene	µg/L	20.0	22.4	22.2	112	111	70-130	0.8	20.0
sec-Butyl benzene	µg/L	20.0	22.5	22.7	113	114	70-130	0.8	20.0
tert-Butyl benzene	µg/L	20.0	22.3	22.2	112	111	70-130	0.4	20.0
Carbon Tetrachloride	µg/L	20.0	18.2	18.0	91.0	90.0	70-130	1.1	20.0
Chlorobenzene	µg/L	20.0	21.0	20.4	105	102	70-130	2.8	20.0
Chlorodibromomethane	µg/L	20.0	22.5	21.2	113	106	70-130	5.9	20.0
Chloroethane	µg/L	20.0	16.8	16.5	84.0	82.5	60-140	1.8	20.0
Chloroform	µg/L	20.0	17.3	17.2	86.5	86.0	70-130	0.5	20.0
Chloromethane	µg/L	20.0	15.9	15.8	79.5	79.0	60-140	0.6	20.0
2-Chlorotoluene	µg/L	20.0	23.3	23.2	117	116	70-130	0.4	20.0
4-Chlorotoluene	µg/L	20.0	22.3	22.7	112	114	70-130	1.7	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	15.5	15.3	77.5	76.5	70-130	1.2	20.0
1,2-Dibromo-3-Chloropropane	µg/L	20.0	25.9	23.8	130	119	70-130	8.4	20.0
1,2-Dibromoethane	µg/L	20.0	21.6	20.5	108	103	70-130	5.2	20.0
Dibromomethane	µg/L	20.0	18.6	17.2	93.0	86.0	70-130	7.8	20.0
1,2-Dichlorobenzene	µg/L	20.0	24.5	23.6	123	118	70-130	3.7	20.0
1,3-Dichlorobenzene	µg/L	20.0	23.9	23.4	120	117	70-130	2.1	20.0
1,4-Dichlorobenzene	µg/L	20.0	24.0	23.3	120	117	70-130	2.9	20.0
Dichlorodifluoromethane	µg/L	20.0	22.9	23.2	115	116	60-140	1.3	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20176
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20177
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20176 LCSD-V20176

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,1-Dichloroethane	µg/L	20.0	17.1	16.8	85.5	84.0	70-130	1.7	20.0
1,2-Dichloroethane	µg/L	20.0	16.8	16.4	84.0	82.0	70-130	2.4	20.0
1,1-Dichloroethene	µg/L	20.0	15.6	15.2	78.0	76.0	70-130	2.5	20.0
cis-1,2-Dichloroethene	µg/L	20.0	16.1	16.0	80.5	80.0	70-130	0.6	20.0
trans-1,2-Dichloroethene	µg/L	20.0	15.9	15.9	79.5	79.5	70-130	0.0	20.0
1,2-Dichloropropane	µg/L	20.0	17.6	17.4	88.0	87.0	70-130	1.1	20.0
1,3-Dichloropropane	µg/L	20.0	20.9	19.7	105	98.5	70-130	5.9	20.0
2,2-Dichloropropane	µg/L	20.0	16.7	16.7	83.5	83.5	70-130	0.0	20.0
1,1-Dichloropropene	µg/L	20.0	17.1	17.0	85.5	85.0	70-130	0.5	20.0
cis-1,3-Dichloropropene	µg/L	20.0	17.7	17.3	88.5	86.5	70-130	2.2	20.0
trans-1,3-Dichloropropene	µg/L	20.0	17.7	17.3	88.5	86.5	70-130	2.2	20.0
Ethanol	µg/L	500	425	370	85.0	74.0	60-140	13.8	20.0
Ethylbenzene	µg/L	20.0	20.4	20.2	102	101	70-130	0.9	20.0
Hexachlorobutadiene	µg/L	20.0	23.6	23.6	118	118	70-130	0.0	20.0
2-Hexanone	µg/L	20.0	19.9	17.5	99.5	87.5	60-140	12.8	20.0
Isopropylbenzene	µg/L	20.0	23.1	23.2	116	116	70-130	0.4	20.0
4-Isopropyl toluene	µg/L	20.0	22.9	22.8	115	114	70-130	0.4	20.0
Methyl Ethyl Ketone (MEK)	µg/L	20.0	19.3	20.3	96.5	102	60-140	5.0	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	18.7	17.8	93.5	89.0	70-130	4.9	20.0
4-Methyl-2-Pentanone	µg/L	20.0	17.4	16.1	87.0	80.5	60-140	7.7	20.0
Methylene Chloride	µg/L	20.0	15.2	14.7	76.0	73.5	70-130	3.3	20.0
Naphthalene	µg/L	20.0	25.9	23.4	130	117	70-130	10.1	20.0
n-Propylbenzene	µg/L	20.0	22.4	22.6	112	113	70-130	0.8	20.0
Styrene	µg/L	20.0	20.9	20.2	105	101	70-130	3.4	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	35.6	32.7	89.0	81.7	40-140	8.4	20.0
tert-Butyl formate (TBF)	µg/L	40.0	37.4	35.9	93.5	89.7	40-140	4.0	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20176
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20177
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20176 LCSD-V20176

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
tert-Amyl Alcohol (TAA)	µg/L	20.0	19.0	18.7	95.0	93.5	40-140	1.5	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	38.4	37.4	96.0	93.5	40-140	2.6	20.0
1,1,1,2-Tetrachloroethane	µg/L	20.0	21.5	21.0	108	105	70-130	2.3	20.0
1,1,2,2-Tetrachloroethane	µg/L	20.0	23.4	21.3	117	107	70-130	9.3	20.0
Tetrachloroethene	µg/L	20.0	20.7	19.6	104	98.0	70-130	5.4	20.0
Toluene	µg/L	20.0	18.3	18.5	91.5	92.5	70-130	1.0	20.0
1,2,3-Trichlorobenzene	µg/L	20.0	25.9	25.2	130	126	70-130	2.7	20.0
1,2,4-Trichlorobenzene	µg/L	20.0	25.7	23.3	129	117	70-130	9.7	20.0
1,1,1-Trichloroethane	µg/L	20.0	17.5	17.1	87.5	85.5	70-130	2.3	20.0
1,1,2-Trichloroethane	µg/L	20.0	18.8	17.9	94.0	89.5	70-130	4.9	20.0
Trichloroethene	µg/L	20.0	17.5	17.7	87.5	88.5	70-130	1.1	20.0
Trichlorofluoromethane	µg/L	20.0	19.1	18.1	95.5	90.5	60-140	5.3	20.0
1,2,3-Trichloropropane	µg/L	20.0	22.5	20.9	113	105	70-130	7.3	20.0
1,2,4-Trimethylbenzene	µg/L	20.0	22.5	22.4	113	112	70-130	0.4	20.0
1,3,5-Trimethylbenzene	µg/L	20.0	22.4	22.7	112	114	70-130	1.3	20.0
Vinyl Acetate	µg/L	20.0	17.6	15.9	88.0	79.5	60-140	10.1	20.0
Vinyl Chloride	µg/L	20.0	20.6	20.3	103	102	60-140	1.4	20.0
o-Xylene	µg/L	20.0	20.3	19.8	102	99.0	70-130	2.4	20.0
m,p-Xylene	µg/L	40.0	43.7	42.2	109	106	70-130	3.4	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	19.2	21.2	96.0	106	70-130	9.9	20.0
4-Bromofluorobenzene (S)					101	101	70-130		
Dibromofluoromethane (S)					100	101	70-130		
1,2-Dichloroethane - d4 (S)					98.6	98.4	70-130		
Toluene-d8 (S)					113	114	70-130		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20302
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20304
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20302 Matrix: AQU
Associated Lab Samples: 91879, 91882, 91885

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	µg/L	<1.80	1.80	10.0	06/21/22 09:51		
Benzene	µg/L	<0.180	0.180	0.500	06/21/22 09:51		
Bromobenzene	µg/L	<0.210	0.210	0.500	06/21/22 09:51		
Bromochloromethane	µg/L	<0.420	0.420	1.00	06/21/22 09:51		
Bromodichloromethane	µg/L	<0.160	0.160	0.500	06/21/22 09:51		
Bromoform	µg/L	<1.50	1.50	5.00	06/21/22 09:51		
Bromomethane	µg/L	<0.280	0.280	1.00	06/21/22 09:51		
n-Butylbenzene	µg/L	<0.180	0.180	0.500	06/21/22 09:51		
sec-Butyl benzene	µg/L	<0.200	0.200	0.500	06/21/22 09:51		
tert-Butyl benzene	µg/L	<0.920	0.920	2.00	06/21/22 09:51		
Carbon Tetrachloride	µg/L	<0.180	0.180	0.500	06/21/22 09:51		
Chlorobenzene	µg/L	<0.190	0.190	0.500	06/21/22 09:51		
Chlorodibromomethane	µg/L	<0.190	0.190	0.500	06/21/22 09:51		
Chloroethane	µg/L	<0.430	0.430	1.00	06/21/22 09:51		
Chloroform	µg/L	<0.220	0.220	0.500	06/21/22 09:51		
Chloromethane	µg/L	<0.220	0.220	0.500	06/21/22 09:51		
2-Chlorotoluene	µg/L	<0.200	0.200	0.500	06/21/22 09:51		
4-Chlorotoluene	µg/L	<0.200	0.200	0.500	06/21/22 09:51		
Di-Isopropyl Ether (DIPE)	µg/L	<0.500	0.500	0.500	06/21/22 09:51		
1,2-Dibromo-3-Chloropropane	µg/L	<1.10	1.10	2.00	06/21/22 09:51		
1,2-Dibromoethane	µg/L	<0.200	0.200	0.500	06/21/22 09:51		
Dibromomethane	µg/L	<0.230	0.230	0.500	06/21/22 09:51		
1,2-Dichlorobenzene	µg/L	<0.220	0.220	0.500	06/21/22 09:51		
1,3-Dichlorobenzene	µg/L	<0.190	0.190	0.500	06/21/22 09:51		
1,4-Dichlorobenzene	µg/L	<0.210	0.210	0.500	06/21/22 09:51		
Dichlorodifluoromethane	µg/L	<1.20	1.20	5.00	06/21/22 09:51		
1,1-Dichloroethane	µg/L	<0.240	0.240	0.500	06/21/22 09:51		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20302
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20304
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20302 Matrix: AQU
Associated Lab Samples: 91879, 91882, 91885

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	06/21/22 09:51		
1,1-Dichloroethene	µg/L	<0.150	0.150	0.500	06/21/22 09:51		
cis-1,2-Dichloroethene	µg/L	<0.200	0.200	0.500	06/21/22 09:51		
trans-1,2-Dichloroethene	µg/L	<0.180	0.180	0.500	06/21/22 09:51		
1,2-Dichloropropane	µg/L	<0.190	0.190	0.500	06/21/22 09:51		
1,3-Dichloropropane	µg/L	<0.130	0.130	0.500	06/21/22 09:51		
2,2-Dichloropropane	µg/L	<0.210	0.210	2.00	06/21/22 09:51		
1,1-Dichloropropene	µg/L	<0.200	0.200	0.500	06/21/22 09:51		
cis-1,3-Dichloropropene	µg/L	<0.210	0.210	0.500	06/21/22 09:51		
trans-1,3-Dichloropropene	µg/L	<0.150	0.150	0.500	06/21/22 09:51		
Ethanol	µg/L	<42.0	42.0	200	06/21/22 09:51		
Ethylbenzene	µg/L	<0.170	0.170	0.500	06/21/22 09:51		
Hexachlorobutadiene	µg/L	<0.350	0.350	3.00	06/21/22 09:51		
2-Hexanone	µg/L	<0.380	0.380	1.00	06/21/22 09:51		
Isopropylbenzene	µg/L	<0.180	0.180	0.500	06/21/22 09:51		
4-Isopropyl toluene	µg/L	<0.089	0.089	0.500	06/21/22 09:51		
Methyl Ethyl Ketone (MEK)	µg/L	<0.710	0.710	5.00	06/21/22 09:51		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	1.00	06/21/22 09:51		
4-Methyl-2-Pentanone	µg/L	<0.078	0.078	1.00	06/21/22 09:51		
Methylene Chloride	µg/L	<0.330	0.330	2.00	06/21/22 09:51		
Naphthalene	µg/L	<0.470	0.470	1.00	06/21/22 09:51		
n-Propylbenzene	µg/L	<0.190	0.190	0.500	06/21/22 09:51		
Styrene	µg/L	<0.220	0.220	0.500	06/21/22 09:51		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	06/21/22 09:51		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	06/21/22 09:51		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	06/21/22 09:51		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	06/21/22 09:51		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20302
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20304
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20302 Matrix: AQU
Associated Lab Samples: 91879, 91882, 91885

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,1,1,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	06/21/22 09:51		
1,1,2,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	06/21/22 09:51		
Tetrachloroethene	µg/L	<0.220	0.220	0.500	06/21/22 09:51		
Toluene	µg/L	<0.220	0.220	0.500	06/21/22 09:51		
1,2,3-Trichlorobenzene	µg/L	<0.380	0.380	0.500	06/21/22 09:51		
1,2,4-Trichlorobenzene	µg/L	<0.310	0.310	0.500	06/21/22 09:51		
1,1,1-Trichloroethane	µg/L	<0.160	0.160	0.500	06/21/22 09:51		
1,1,2-Trichloroethane	µg/L	<0.096	0.096	0.500	06/21/22 09:51		
Trichloroethene	µg/L	<0.180	0.180	0.500	06/21/22 09:51		
Trichlorofluoromethane	µg/L	<0.180	0.180	0.500	06/21/22 09:51		
1,2,3-Trichloropropane	µg/L	<0.270	0.270	0.500	06/21/22 09:51		
1,2,4-Trimethylbenzene	µg/L	<0.190	0.190	0.500	06/21/22 09:51		
1,3,5-Trimethylbenzene	µg/L	<0.180	0.180	0.500	06/21/22 09:51		
Vinyl Acetate	µg/L	<1.00	1.00	5.00	06/21/22 09:51		
Vinyl Chloride	µg/L	<0.170	0.170	0.500	06/21/22 09:51		
o-Xylene	µg/L	<0.210	0.210	0.500	06/21/22 09:51		
m,p-Xylene	µg/L	<0.420	0.420	1.00	06/21/22 09:51		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	06/21/22 09:51		
4-Bromofluorobenzene (S)					06/21/22 09:51	100	70-130
Dibromofluoromethane (S)					06/21/22 09:51	100	70-130
1,2-Dichloroethane - d4 (S)					06/21/22 09:51	103	70-130
Toluene-d8 (S)					06/21/22 09:51	111	70-130

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20302
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20304
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20302 LCSD-V20302

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	µg/L	40.0	34.0	33.8	85.0	84.5	40-160	0.5	20.0
Benzene	µg/L	20.0	16.7	16.2	83.5	81.0	70-130	3.0	20.0
Bromobenzene	µg/L	20.0	20.6	20.4	103	102	70-130	0.9	20.0
Bromochloromethane	µg/L	20.0	17.8	17.4	89.0	87.0	70-130	2.2	20.0
Bromodichloromethane	µg/L	20.0	17.2	17.2	86.0	86.0	70-130	0.0	20.0
Bromoform	µg/L	20.0	21.6	22.3	108	112	70-130	3.1	20.0
Bromomethane	µg/L	20.0	17.6	17.9	88.0	89.5	60-140	1.6	20.0
n-Butylbenzene	µg/L	20.0	21.4	20.6	107	103	70-130	3.8	20.0
sec-Butyl benzene	µg/L	20.0	21.4	20.7	107	104	70-130	3.3	20.0
tert-Butyl benzene	µg/L	20.0	21.2	20.6	106	103	70-130	2.8	20.0
Carbon Tetrachloride	µg/L	20.0	19.2	17.9	96.0	89.5	70-130	7.0	20.0
Chlorobenzene	µg/L	20.0	19.8	19.5	99.0	97.5	70-130	1.5	20.0
Chlorodibromomethane	µg/L	20.0	21.6	21.2	108	106	70-130	1.8	20.0
Chloroethane	µg/L	20.0	18.6	17.7	93.0	88.5	60-140	4.9	20.0
Chloroform	µg/L	20.0	17.2	16.7	86.0	83.5	70-130	2.9	20.0
Chloromethane	µg/L	20.0	19.6	18.3	98.0	91.5	60-140	6.8	20.0
2-Chlorotoluene	µg/L	20.0	20.9	20.6	105	103	70-130	1.4	20.0
4-Chlorotoluene	µg/L	20.0	20.8	20.4	104	102	70-130	1.9	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	15.3	15.3	76.5	76.5	70-130	0.0	20.0
1,2-Dibromo-3-Chloropropane	µg/L	20.0	23.6	25.9	118	130	70-130	9.2	20.0
1,2-Dibromoethane	µg/L	20.0	20.3	20.3	102	102	70-130	0.0	20.0
Dibromomethane	µg/L	20.0	17.0	17.7	85.0	88.5	70-130	4.0	20.0
1,2-Dichlorobenzene	µg/L	20.0	21.8	21.3	109	107	70-130	2.3	20.0
1,3-Dichlorobenzene	µg/L	20.0	21.3	21.4	107	107	70-130	0.4	20.0
1,4-Dichlorobenzene	µg/L	20.0	21.6	20.7	108	104	70-130	4.2	20.0
Dichlorodifluoromethane	µg/L	20.0	27.1	25.4	136	127	60-140	6.4	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20302
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20304
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20302 LCSD-V20302

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,1-Dichloroethane	µg/L	20.0	16.4	16.1	82.0	80.5	70-130	1.8	20.0
1,2-Dichloroethane	µg/L	20.0	16.7	17.0	83.5	85.0	70-130	1.7	20.0
1,1-Dichloroethene	µg/L	20.0	16.8	15.7	84.0	78.5	70-130	6.7	20.0
cis-1,2-Dichloroethene	µg/L	20.0	16.2	15.9	81.0	79.5	70-130	1.8	20.0
trans-1,2-Dichloroethene	µg/L	20.0	16.4	15.8	82.0	79.0	70-130	3.7	20.0
1,2-Dichloropropane	µg/L	20.0	15.9	16.5	79.5	82.5	70-130	3.7	20.0
1,3-Dichloropropane	µg/L	20.0	18.9	19.2	94.5	96.0	70-130	1.5	20.0
2,2-Dichloropropane	µg/L	20.0	17.9	17.3	89.5	86.5	70-130	3.4	20.0
1,1-Dichloropropene	µg/L	20.0	17.4	16.5	87.0	82.5	70-130	5.3	20.0
cis-1,3-Dichloropropene	µg/L	20.0	17.7	17.4	88.5	87.0	70-130	1.7	20.0
trans-1,3-Dichloropropene	µg/L	20.0	17.7	17.4	88.5	87.0	70-130	1.7	20.0
Ethanol	µg/L	500	393	432	78.6	86.4	60-140	9.4	20.0
Ethylbenzene	µg/L	20.0	19.6	19.2	98.0	96.0	70-130	2.0	20.0
Hexachlorobutadiene	µg/L	20.0	22.7	21.3	114	107	70-130	6.3	20.0
2-Hexanone	µg/L	20.0	17.9	18.1	89.5	90.5	60-140	1.1	20.0
Isopropylbenzene	µg/L	20.0	21.2	20.5	106	103	70-130	3.3	20.0
4-Isopropyl toluene	µg/L	20.0	21.7	21.3	109	107	70-130	1.8	20.0
Methyl Ethyl Ketone (MEK)	µg/L	20.0	18.9	16.3	94.5	81.5	60-140	14.7	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	17.1	17.1	85.5	85.5	70-130	0.0	20.0
4-Methyl-2-Pentanone	µg/L	20.0	15.6	16.1	78.0	80.5	60-140	3.1	20.0
Methylene Chloride	µg/L	20.0	14.5	14.3	72.5	71.5	70-130	1.3	20.0
Naphthalene	µg/L	20.0	22.2	24.0	111	120	70-130	7.7	20.0
n-Propylbenzene	µg/L	20.0	21.1	21.0	106	105	70-130	0.4	20.0
Styrene	µg/L	20.0	19.7	19.1	98.5	95.5	70-130	3.0	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	34.1	34.4	85.2	86.0	40-140	0.8	20.0
tert-Butyl formate (TBF)	µg/L	40.0	35.7	36.5	89.2	91.2	40-140	2.2	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20302
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20304
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20302 LCSD-V20302

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
tert-Amyl Alcohol (TAA)	µg/L	20.0	16.3	18.1	81.5	90.5	40-140	10.4	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	34.7	35.2	86.7	88.0	40-140	1.4	20.0
1,1,1,2-Tetrachloroethane	µg/L	20.0	20.8	20.8	104	104	70-130	0.0	20.0
1,1,2,2-Tetrachloroethane	µg/L	20.0	19.6	20.3	98.0	102	70-130	3.5	20.0
Tetrachloroethene	µg/L	20.0	19.6	19.8	98.0	99.0	70-130	1.0	20.0
Toluene	µg/L	20.0	17.3	16.9	86.5	84.5	70-130	2.3	20.0
1,2,3-Trichlorobenzene	µg/L	20.0	24.4	25.6	122	128	70-130	4.8	20.0
1,2,4-Trichlorobenzene	µg/L	20.0	23.1	23.5	116	118	70-130	1.7	20.0
1,1,1-Trichloroethane	µg/L	20.0	17.9	17.0	89.5	85.0	70-130	5.1	20.0
1,1,2-Trichloroethane	µg/L	20.0	16.4	17.7	82.0	88.5	70-130	7.6	20.0
Trichloroethene	µg/L	20.0	17.5	17.2	87.5	86.0	70-130	1.7	20.0
Trichlorofluoromethane	µg/L	20.0	22.3	21.2	112	106	60-140	5.0	20.0
1,2,3-Trichloropropane	µg/L	20.0	21.3	21.7	107	109	70-130	1.8	20.0
1,2,4-Trimethylbenzene	µg/L	20.0	21.2	20.8	106	104	70-130	1.9	20.0
1,3,5-Trimethylbenzene	µg/L	20.0	21.6	21.3	108	107	70-130	1.3	20.0
Vinyl Acetate	µg/L	20.0	19.3	19.3	96.5	96.5	60-140	0.0	20.0
Vinyl Chloride	µg/L	20.0	22.0	21.9	110	110	60-140	0.4	20.0
o-Xylene	µg/L	20.0	19.7	19.2	98.5	96.0	70-130	2.5	20.0
m,p-Xylene	µg/L	40.0	41.6	40.9	104	102	70-130	1.6	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	19.0	18.1	95.0	90.5	70-130	4.8	20.0
4-Bromofluorobenzene (S)					98.4	97.8	70-130		
Dibromofluoromethane (S)					99.2	100	70-130		
1,2-Dichloroethane - d4 (S)					102	104	70-130		
Toluene-d8 (S)					112	111	70-130		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20311
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20313
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20311 Matrix: AQU
Associated Lab Samples: 91880

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Acetone	µg/L	<1.80	1.80	10.0	06/21/22 22:35		
Benzene	µg/L	<0.180	0.180	0.500	06/21/22 22:35		
Bromobenzene	µg/L	<0.210	0.210	0.500	06/21/22 22:35		
Bromochloromethane	µg/L	<0.420	0.420	1.00	06/21/22 22:35		
Bromodichloromethane	µg/L	<0.160	0.160	0.500	06/21/22 22:35		
Bromoform	µg/L	<1.50	1.50	5.00	06/21/22 22:35		
Bromomethane	µg/L	<0.280	0.280	1.00	06/21/22 22:35		
n-Butylbenzene	µg/L	<0.180	0.180	0.500	06/21/22 22:35		
sec-Butyl benzene	µg/L	<0.200	0.200	0.500	06/21/22 22:35		
tert-Butyl benzene	µg/L	<0.920	0.920	2.00	06/21/22 22:35		
Carbon Tetrachloride	µg/L	<0.180	0.180	0.500	06/21/22 22:35		
Chlorobenzene	µg/L	<0.190	0.190	0.500	06/21/22 22:35		
Chlorodibromomethane	µg/L	<0.190	0.190	0.500	06/21/22 22:35		
Chloroethane	µg/L	<0.430	0.430	1.00	06/21/22 22:35		
Chloroform	µg/L	<0.220	0.220	0.500	06/21/22 22:35		
Chloromethane	µg/L	<0.220	0.220	0.500	06/21/22 22:35		
2-Chlorotoluene	µg/L	<0.200	0.200	0.500	06/21/22 22:35		
4-Chlorotoluene	µg/L	<0.200	0.200	0.500	06/21/22 22:35		
Di-Isopropyl Ether (DIPE)	µg/L	<0.500	0.500	0.500	06/21/22 22:35		
1,2-Dibromo-3-Chloropropane	µg/L	<1.10	1.10	2.00	06/21/22 22:35		
1,2-Dibromoethane	µg/L	<0.200	0.200	0.500	06/21/22 22:35		
Dibromomethane	µg/L	<0.230	0.230	0.500	06/21/22 22:35		
1,2-Dichlorobenzene	µg/L	<0.220	0.220	0.500	06/21/22 22:35		
1,3-Dichlorobenzene	µg/L	<0.190	0.190	0.500	06/21/22 22:35		
1,4-Dichlorobenzene	µg/L	<0.210	0.210	0.500	06/21/22 22:35		
Dichlorodifluoromethane	µg/L	<1.20	1.20	5.00	06/21/22 22:35		
1,1-Dichloroethane	µg/L	<0.240	0.240	0.500	06/21/22 22:35		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20311
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20313
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20311 Matrix: AQU
Associated Lab Samples: 91880

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	06/21/22 22:35		
1,1-Dichloroethene	µg/L	<0.150	0.150	0.500	06/21/22 22:35		
cis-1,2-Dichloroethene	µg/L	<0.200	0.200	0.500	06/21/22 22:35		
trans-1,2-Dichloroethene	µg/L	<0.180	0.180	0.500	06/21/22 22:35		
1,2-Dichloropropane	µg/L	<0.190	0.190	0.500	06/21/22 22:35		
1,3-Dichloropropane	µg/L	<0.130	0.130	0.500	06/21/22 22:35		
2,2-Dichloropropane	µg/L	<0.210	0.210	2.00	06/21/22 22:35		
1,1-Dichloropropene	µg/L	<0.200	0.200	0.500	06/21/22 22:35		
cis-1,3-Dichloropropene	µg/L	<0.210	0.210	0.500	06/21/22 22:35		
trans-1,3-Dichloropropene	µg/L	<0.150	0.150	0.500	06/21/22 22:35		
Ethanol	µg/L	<42.0	42.0	200	06/21/22 22:35		
Ethylbenzene	µg/L	<0.170	0.170	0.500	06/21/22 22:35		
Hexachlorobutadiene	µg/L	<0.350	0.350	3.00	06/21/22 22:35		
2-Hexanone	µg/L	<0.380	0.380	1.00	06/21/22 22:35		
Isopropylbenzene	µg/L	<0.180	0.180	0.500	06/21/22 22:35		
4-Isopropyl toluene	µg/L	<0.089	0.089	0.500	06/21/22 22:35		
Methyl Ethyl Ketone (MEK)	µg/L	<0.710	0.710	5.00	06/21/22 22:35		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	1.00	06/21/22 22:35		
4-Methyl-2-Pentanone	µg/L	<0.078	0.078	1.00	06/21/22 22:35		
Methylene Chloride	µg/L	<0.330	0.330	2.00	06/21/22 22:35		
Naphthalene	µg/L	<0.470	0.470	1.00	06/21/22 22:35		
n-Propylbenzene	µg/L	<0.190	0.190	0.500	06/21/22 22:35		
Styrene	µg/L	<0.220	0.220	0.500	06/21/22 22:35		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	06/21/22 22:35		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	06/21/22 22:35		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	06/21/22 22:35		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	06/21/22 22:35		

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Quality Control Data

Client ID: Geological Resources, Inc.
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Report No: 22-161-0024

QC Prep: V20311
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20313
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V20311 Matrix: AQU
Associated Lab Samples: 91880

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,1,1,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	06/21/22 22:35		
1,1,2,2-Tetrachloroethane	µg/L	<0.160	0.160	0.500	06/21/22 22:35		
Tetrachloroethene	µg/L	<0.220	0.220	0.500	06/21/22 22:35		
Toluene	µg/L	<0.220	0.220	0.500	06/21/22 22:35		
1,2,3-Trichlorobenzene	µg/L	<0.380	0.380	0.500	06/21/22 22:35		
1,2,4-Trichlorobenzene	µg/L	<0.310	0.310	0.500	06/21/22 22:35		
1,1,1-Trichloroethane	µg/L	<0.160	0.160	0.500	06/21/22 22:35		
1,1,2-Trichloroethane	µg/L	<0.096	0.096	0.500	06/21/22 22:35		
Trichloroethene	µg/L	<0.180	0.180	0.500	06/21/22 22:35		
Trichlorofluoromethane	µg/L	<0.180	0.180	0.500	06/21/22 22:35		
1,2,3-Trichloropropane	µg/L	<0.270	0.270	0.500	06/21/22 22:35		
1,2,4-Trimethylbenzene	µg/L	<0.190	0.190	0.500	06/21/22 22:35		
1,3,5-Trimethylbenzene	µg/L	<0.180	0.180	0.500	06/21/22 22:35		
Vinyl Acetate	µg/L	<1.00	1.00	5.00	06/21/22 22:35		
Vinyl Chloride	µg/L	<0.170	0.170	0.500	06/21/22 22:35		
o-Xylene	µg/L	<0.210	0.210	0.500	06/21/22 22:35		
m,p-Xylene	µg/L	<0.420	0.420	1.00	06/21/22 22:35		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	06/21/22 22:35		
4-Bromofluorobenzene (S)					06/21/22 22:35	102	70-130
Dibromofluoromethane (S)					06/21/22 22:35	99.6	70-130
1,2-Dichloroethane - d4 (S)					06/21/22 22:35	99.2	70-130
Toluene-d8 (S)					06/21/22 22:35	111	70-130

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20311
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20313
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20311 LCSD-V20311

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Acetone	µg/L	40.0	28.6	28.3	71.5	70.7	40-160	1.0	20.0
Benzene	µg/L	20.0	17.1	16.9	85.5	84.5	70-130	1.1	20.0
Bromobenzene	µg/L	20.0	20.6	20.3	103	102	70-130	1.4	20.0
Bromochloromethane	µg/L	20.0	17.3	17.8	86.5	89.0	70-130	2.8	20.0
Bromodichloromethane	µg/L	20.0	18.2	18.0	91.0	90.0	70-130	1.1	20.0
Bromoform	µg/L	20.0	23.2	21.7	116	109	70-130	6.6	20.0
Bromomethane	µg/L	20.0	17.5	18.2	87.5	91.0	60-140	3.9	20.0
n-Butylbenzene	µg/L	20.0	21.8	21.3	109	107	70-130	2.3	20.0
sec-Butyl benzene	µg/L	20.0	21.5	21.3	108	107	70-130	0.9	20.0
tert-Butyl benzene	µg/L	20.0	21.5	21.3	108	107	70-130	0.9	20.0
Carbon Tetrachloride	µg/L	20.0	19.6	19.6	98.0	98.0	70-130	0.0	20.0
Chlorobenzene	µg/L	20.0	19.8	19.3	99.0	96.5	70-130	2.5	20.0
Chlorodibromomethane	µg/L	20.0	20.8	20.6	104	103	70-130	0.9	20.0
Chloroethane	µg/L	20.0	16.9	16.4	84.5	82.0	60-140	3.0	20.0
Chloroform	µg/L	20.0	17.8	17.7	89.0	88.5	70-130	0.5	20.0
Chloromethane	µg/L	20.0	17.3	16.9	86.5	84.5	60-140	2.3	20.0
2-Chlorotoluene	µg/L	20.0	21.4	21.1	107	106	70-130	1.4	20.0
4-Chlorotoluene	µg/L	20.0	21.6	20.6	108	103	70-130	4.7	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	15.7	15.5	78.5	77.5	70-130	1.2	20.0
1,2-Dibromo-3-Chloropropane	µg/L	20.0	25.7	25.4	129	127	70-130	1.1	20.0
1,2-Dibromoethane	µg/L	20.0	19.6	19.7	98.0	98.5	70-130	0.5	20.0
Dibromomethane	µg/L	20.0	17.0	17.3	85.0	86.5	70-130	1.7	20.0
1,2-Dichlorobenzene	µg/L	20.0	22.0	21.0	110	105	70-130	4.6	20.0
1,3-Dichlorobenzene	µg/L	20.0	22.1	21.8	111	109	70-130	1.3	20.0
1,4-Dichlorobenzene	µg/L	20.0	22.3	21.2	112	106	70-130	5.0	20.0
Dichlorodifluoromethane	µg/L	20.0	26.0	25.7	130	129	60-140	1.1	20.0

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Quality Control Data

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Project Description: Nics's Pics Kwick
Report No: 22-161-0024

QC Prep: V20311
QC Prep Batch Method: 6200 PT
QC Analytical Batch(es): V20313
Analysis Method: 6200B
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V20311 LCSD-V20311

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,1-Dichloroethane	µg/L	20.0	16.7	16.5	83.5	82.5	70-130	1.2	20.0
1,2-Dichloroethane	µg/L	20.0	17.6	17.5	88.0	87.5	70-130	0.5	20.0
1,1-Dichloroethene	µg/L	20.0	16.8	16.3	84.0	81.5	70-130	3.0	20.0
cis-1,2-Dichloroethene	µg/L	20.0	16.4	16.2	82.0	81.0	70-130	1.2	20.0
trans-1,2-Dichloroethene	µg/L	20.0	16.4	16.2	82.0	81.0	70-130	1.2	20.0
1,2-Dichloropropane	µg/L	20.0	16.2	16.6	81.0	83.0	70-130	2.4	20.0
1,3-Dichloropropane	µg/L	20.0	19.4	18.6	97.0	93.0	70-130	4.2	20.0
2,2-Dichloropropane	µg/L	20.0	17.7	18.0	88.5	90.0	70-130	1.6	20.0
1,1-Dichloropropene	µg/L	20.0	16.8	17.0	84.0	85.0	70-130	1.1	20.0
cis-1,3-Dichloropropene	µg/L	20.0	17.5	17.8	87.5	89.0	70-130	1.6	20.0
trans-1,3-Dichloropropene	µg/L	20.0	17.5	17.8	87.5	89.0	70-130	1.6	20.0
Ethanol	µg/L	500	408	450	81.6	90.0	60-140	9.7	20.0
Ethylbenzene	µg/L	20.0	19.7	19.4	98.5	97.0	70-130	1.5	20.0
Hexachlorobutadiene	µg/L	20.0	22.1	21.9	111	110	70-130	0.9	20.0
2-Hexanone	µg/L	20.0	16.9	16.8	84.5	84.0	60-140	0.5	20.0
Isopropylbenzene	µg/L	20.0	21.5	21.4	108	107	70-130	0.4	20.0
4-Isopropyl toluene	µg/L	20.0	21.9	21.4	110	107	70-130	2.3	20.0
Methyl Ethyl Ketone (MEK)	µg/L	20.0	14.2	15.1	71.0	75.5	60-140	6.1	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	17.8	17.5	89.0	87.5	70-130	1.6	20.0
4-Methyl-2-Pentanone	µg/L	20.0	15.9	15.9	79.5	79.5	60-140	0.0	20.0
Methylene Chloride	µg/L	20.0	14.3	14.8	71.5	74.0	70-130	3.4	20.0
Naphthalene	µg/L	20.0	22.1	22.0	111	110	70-130	0.4	20.0
n-Propylbenzene	µg/L	20.0	21.8	21.3	109	107	70-130	2.3	20.0
Styrene	µg/L	20.0	19.9	20.0	99.5	100	70-130	0.5	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	33.0	33.3	82.5	83.2	40-140	0.9	20.0
tert-Butyl formate (TBF)	µg/L	40.0	37.0	35.9	92.5	89.7	40-140	3.0	20.0

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Laboratory Control Sample & LCSD LCS-V20311 LCSD-V20311

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
tert-Amyl Alcohol (TAA)	µg/L	20.0	16.8	18.9	84.0	94.5	40-140	11.7	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	36.0	35.1	90.0	87.7	40-140	2.5	20.0
1,1,1,2-Tetrachloroethane	µg/L	20.0	21.0	20.5	105	103	70-130	2.4	20.0
1,1,2,2-Tetrachloroethane	µg/L	20.0	20.1	19.7	101	98.5	70-130	2.0	20.0
Tetrachloroethene	µg/L	20.0	20.0	20.3	100	102	70-130	1.4	20.0
Toluene	µg/L	20.0	17.6	17.5	88.0	87.5	70-130	0.5	20.0
1,2,3-Trichlorobenzene	µg/L	20.0	23.6	23.1	118	116	70-130	2.1	20.0
1,2,4-Trichlorobenzene	µg/L	20.0	22.5	22.4	113	112	70-130	0.4	20.0
1,1,1-Trichloroethane	µg/L	20.0	18.6	18.0	93.0	90.0	70-130	3.2	20.0
1,1,2-Trichloroethane	µg/L	20.0	17.3	17.1	86.5	85.5	70-130	1.1	20.0
Trichloroethene	µg/L	20.0	17.7	17.2	88.5	86.0	70-130	2.8	20.0
Trichlorofluoromethane	µg/L	20.0	20.9	21.2	105	106	60-140	1.4	20.0
1,2,3-Trichloropropane	µg/L	20.0	20.9	20.2	105	101	70-130	3.4	20.0
1,2,4-Trimethylbenzene	µg/L	20.0	21.3	21.4	107	107	70-130	0.4	20.0
1,3,5-Trimethylbenzene	µg/L	20.0	22.2	21.7	111	109	70-130	2.2	20.0
Vinyl Acetate	µg/L	20.0	16.5	16.1	82.5	80.5	60-140	2.4	20.0
Vinyl Chloride	µg/L	20.0	20.0	20.3	100	102	60-140	1.4	20.0
o-Xylene	µg/L	20.0	19.8	19.5	99.0	97.5	70-130	1.5	20.0
m,p-Xylene	µg/L	40.0	42.2	41.4	106	104	70-130	1.9	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	18.4	17.8	92.0	89.0	70-130	3.3	20.0
4-Bromofluorobenzene (S)					102	97.0	70-130		
Dibromofluoromethane (S)					103	104	70-130		
1,2-Dichloroethane - d4 (S)					105	107	70-130		
Toluene-d8 (S)					112	111	70-130		

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Shipment Receipt Form

Customer Number: **00087**
Customer Name: **Geological Resources, Inc.**
Report Number: **22-161-0024**

Shipping Method

(●) Fed Ex ( ) US Postal ( ) Lab ( ) Other :
( ) UPS ( ) Client ( ) Courier Thermometer ID: IRT-15 .4C

Shipping container/cooler uncompromised?	(●) Yes	( ) No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	( ) Yes	( ) No	(●) Not Present
Custody seals intact on sample bottles?	( ) Yes	( ) No	(●) Not Present
Chain of Custody (COC) present?	(●) Yes	( ) No	
COC agrees with sample label(s)?	(●) Yes	( ) No	
COC properly completed	(●) Yes	( ) No	
Samples in proper containers?	(●) Yes	( ) No	
Sample containers intact?	(●) Yes	( ) No	
Sufficient sample volume for indicated test(s)?	(●) Yes	( ) No	
All samples received within holding time?	(●) Yes	( ) No	
Cooler temperature in compliance?	(●) Yes	( ) No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	(●) Yes	( ) No	
Water - Sample containers properly preserved	(●) Yes	( ) No	( ) N/A
Water - VOA vials free of headspace	(●) Yes	( ) No	( ) N/A
Trip Blanks received with VOAs	(●) Yes	( ) No	( ) N/A
Soil VOA method 5035 – compliance criteria met	( ) Yes	( ) No	(●) N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included? ( ) Yes (●) No

Comments:

Signature: Angelo Norvell Date & Time: 06/10/2022 13:06:11

CHAIN OF CUSTODY RECORD

Waypoint ANALYTICAL
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING:

Client Company Name: Geological Resources Inc
Report To/Contact Name: William Regenthal
Reporting Address: 113 W Fire tower Rd Suite 6 Winterville NC 28590
Phone: (704) 545-4010 Fax (Yes)(No):
Email Address:
EDD Type: PDF___ Excel___ Other
Site Location Name: Nic's Pic Kwik #4
Site Location Physical Address:

Project Name: (3024) Nic's Pic Kwik #4
Short Hold Analysis (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To:
Address:

Purchase Order No./Billing Reference
Requested Due Date ❑ 1 Day ❑ 2 Days ❑ 3 Days ❑ 4 Days ❑ 5 Days
"Working Days" ❑ 6-9 Days ❑ Standard 10 days ❑ Rush Work Must Be Pre Approved
Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	X		
Received IN ICE?	X		
PROPER PRESERVATIVES indicated?	X		
Received WITHIN HOLDING TIMES?	X		
CUSTODY SEALS INTACT?	X		
VOLATILES rec'd W/OUT HEADSPACE?	X		
PROPER CONTAINERS used?	X		

TEMP: Therm ID: IR1-15 Observed .4 °C /Corr. .4 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NC X SC
Other N/A
Water Chlorinated: YES NO
Samples Iced Upon Collection: YES X NO

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	SAMPLE CONTAINER NO.	SAMPLE CONTAINER SIZE	PRESERVATIVES	ANALYSIS REQUESTED 6200B+S QTY	ANALYSIS REQUESTED 6200	REMARKS	ID NO.
Trip Blank	6-8-22	1028			2				X		
DW-1	6-8-22	1202			3			X			
MW-16	6-8-22	1217			3			X			
MW-15	6-8-22	1232			3			X			
MW-13	6-8-22	1247			3			X			
MW-9	6-8-22	1306			3			X			
MW-8	6-8-22	1322			3			X			
MW-4	6-8-22	1341			3			X			

22-161-0024
00087
06-10-2022
13:02:30
Geological Resources, Inc.
Nics's Pics Kwick

PRESS DOWN FIRMLY - 2 COPIES

Sampler's Signature Sampled By (Print Name) Jacob Brooks Affiliation Geological Resources Inc

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Waypoint Analytical By:	Date	6/10/22 0930

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
❑ Fed Ex ❑ UPS ❑ Hand-delivered ❑ Waypoint Analytical Field Service ❑ Other
COC Group No.

Additional Comments: NCTF Site

LAB USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	BRWNFLD	LANDFILL	OTHER:
❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC
❑	❑	❑	❑	❑	❑	❑	❑	❑

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

MEMO TO FILE:

FROM: Steve Kay – Environmental Engineer

UST Section, Wilmington Regional Office

SUBJECT: Site Closure & NFA

Incident Name _____D & S Automatic Car Wash Property_____

FA Number _____FA-2341_____

Incident Number if Assigned _____N/A_____

This file was reviewed for archiving on _1/08/2016_, and it was determined that a NFA letter should have been issued to the RP on ___3/24/2004__ but for some reason was not. Therefore, the date entered above is the official closure date. No additional assessment or site work is required unless new information is made available to our office that indicates further investigation would be warranted.

FA-2341

RECEIVED
DENR – FAYETTEVILLE REGIONAL OFFICE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

MARCH 18, 2004

LYNDO TIPPETT
SECRETARY

Mr. Eugene Jackson, NCDENR
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Fayetteville, North Carolina 28301-5094

RE:	State Project:	8.7646048 (Z-4006K)
	WBS#:	35437.2.4
	Federal Project:	STP-FY99(1)
	County:	Robeson
	Description:	Maxton -Florence St. at CSX Transportation Crossing 630 959U
SUBJECT:		UST Closure Assessment-UST Closure: NCDOT Right-of-Way, D & S Automatic Car Wash Property

Enclosed for your information is a report documenting UST Closure activities performed by Solutions Industrial & Environmental Services, Inc., for the North Carolina Department of Transportation (NCDOT). The NCDOT acquired this property along Patterson Street (NC 71) for Right-of-Way, where this USTs were discovered during drainage construction.

If you have any questions or concerns, I can be reached at 919-250-4088 or by email at rjohnson3@dot.state.nc.us.

Sincerely,

Richard S. Johnson, L.G.
GeoEnvironmental Project Manager
NCDOT – Geotechnical Engineering Unit

cc: David M. Bailey, NCDOT Right of Way Branch
Joe Bailey, Div. 6, Resident Engineer
File

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RECEIVED
DENR - FAYETTEVILLE REGIONAL OFFICE

Report Orphan UST Closure
NCDOT Right-of-Way at
D & S Automatic Car Wash
Maxton, North Carolina
Facility ID: Unknown

Prepared for:

North Carolina Department of Transportation
Century Center
1020 Birch Ridge Drive
P.O. Box 25201
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NCDOT Project # Z-4006K
WBS # 35437.2.4

Prepared by:

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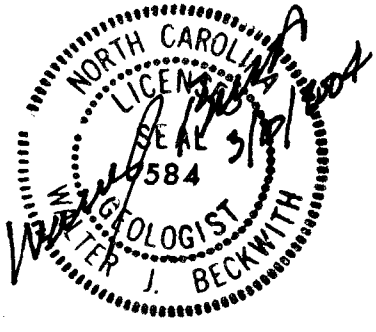
Solutions - IES Project No. 3040.04A2.NDOT



C. Robert Triplett
Environmental Specialist

3/10/04

Walter J. Beckwith, P.G.
Senior Hydrogeologist

March 10, 2004

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1.0 INTRODUCTION

An obstruction was encountered while a contractor was boring beneath NC Highway 71 (Patterson Street) in Maxton (Robeson County), North Carolina to install railroad signaling. The contractor opened an excavation over the obstruction and discovered that the boring equipment had damaged an unknown underground storage tank (UST) that was located within the right-of-way for Patterson Street. The contractor finished installation of the signaling and backfilled the excavation to grade.

Solutions-IES was contracted by the North Carolina Department of Transportation (NCDOT) to permanently close the damaged UST. During site activities, two additional USTs were discovered. Two of the three USTs were located partially within the right-of-way for Patterson Street and were removed. The third UST was located outside of the highway right-of-way, on the adjacent property and was left in place.

2.0 GENERAL INFORMATION

This report has been prepared following the required UST-12 format to document the closure of two orphan USTs.

2.1 FACILITY INFORMATION

The USTs were located on the west side of Patterson Street at the D&S Automatic Car Wash (D&S Car Wash). D&S Car Wash is located at 110 Patterson Street at the southwest corner of Patterson Street and Martin Luther King, Jr. Drive. The owner of D&S Car Wash is Mr. Robert Smith; the telephone number provided by NCDOT is (910) 422-3734. Mr. Smith reported that he had no knowledge of the USTs[1]. No fueling dispensers were observed at the car wash.

[1] Personal communication on January 29, 2004 by W. Beckwith.

2.2 CONTACTS

The following list identifies the key contacts involved with closure of the two USTs:

1. Primary Contact Person:
   Mr. Richard Johnson, GeoEnvironmental Project Manager
   (919) 250-4088
   North Carolina Department of Transportation
   Century Center
   P.O. Box 25201
   Raleigh, NC 27611

2. Primary Consultant:
   Solutions Industrial & Environmental Services, Inc.
   3722 Benson Drive
   Raleigh, NC 27609
   (919) 873-1060

3. Closure Subcontractor:
   A & D Environmental & Industrial Services, Inc.
   Post Office Box 484
   High Point, NC 27261
   (336) 434-7750

4. Analytical Laboratory:
   Prism Laboratories, Inc. (State Certification Number 402)
   449 Springbrook Road
   P.O Box 240543
   Charlotte, NC 28224-0543
   (704) 529-6364

2.3 UST INFORMATION

Table 1 summarizes the information known for the two orphan USTs that were removed from the Patterson Street right-of-way on February 3, 2004.

Table 1
UST Information

Tank Number	Installation Date	Size in Gallons	Tank Dimensions	Last Contents	Previous Contents
T-1	Unknown, Orphan Tank	2,132 gal.	12 ft. by 5.5 ft.	Unknown	Unknown
T-2	Unknown, Orphan Tank	2,132 gal.	12 ft. by 5.5 ft.	Unknown	Unknown

2.4 SITE CHARACTERISTICS

2.4.1 Past Release Information

There are no known past releases at 110 Patterson Street according to the Regional UST Database posted on the DWM Database Download Site http://ust.ehnr.state.nc/database.html.

2.4.2 Facility Status

No fueling dispensers were observed at the D & S Car Wash. Mr. Smith, the owner stated he had no knowledge of the USTs. The USTs are assumed to have been used for a previous business located at this address and are considered to be orphan tanks. The last date that the tanks were in use is unknown.

2.4.3 Surrounding Property

The surrounding properties consist of a Piggly Wiggly grocery store, drug store, and an H & R Block office. The CSX Transportation Railroad runs parallel to Martin Luther King, Jr. Drive. The surrounding area has been developed for mixed retail, commercial, and residential use. Figure 1 is from the Maxton USGS 7.5 Minute USGS Topographic Map (photo-revised 1982) and shows the location of the site with respect to surrounding roads and highways.

2.4.4 Site Geology/Hydrogeology

Maxton, North Carolina is located within the Coastal Plain Physiographic Province of North Carolina. The area is characterized by relatively flat terrain and elliptical wetland depressions (Carolina Bays). The site is located on a nearly flat upland, at approximately 200 feet above sea level, between Jowers Branch, a tributary of Shoe Heel Creek, (0.5 miles south of the site) and the Lumber River (1.7 miles east). According to the 1985 Geologic Map of North Carolina, Maxton is underlain by a thin layer of Quaternary-aged sediments resting on the Black Creek Formation that forms a confining unit for the underlying deeper aquifers.

The water table surface often mimics the land surface. Topographic highs typically act as recharge areas for groundwater. Groundwater flow is generally from higher elevations to lower elevations, eventually discharging to springs and stream courses. Based on site topography, groundwater would be expected to flow toward Jowers Branch.

2.4.5 Receptor Survey Results

A detailed receptor survey is not normally included in the NCDOT-approved work scope for tank closures. The detailed receptor survey is performed after a release has been documented as part of the Limited Site Assessment (LSA). However, a cursory review of the site area was completed during tank closure to evaluate the site and adjacent properties. D&S Car Wash is served with city water. No water supply wells were identified at the site. Because of the urban nature of the site area, most surrounding properties are assumed to be served by public water supplies.

There are no basements or subsurface structures on the site that would accumulate hydrocarbon vapors. There are no storm water inlets or catch basins at the site. There are several churches and schools located within 1,500 feet of the site. According to the Figure 1, there is an elevated water tank approximately 1,200 feet north of the site that may accompany a deep municipal well.

3.0 CLOSURE PROCEDURES

3.1 PREPARATION FOR CLOSURE

Solutions-IES notified the Robeson County Fire Marshal on January 30, 2004 and received the UST removal permit from the Fire Marshal's office on February 11, 2004. A copy of the Permit and Notification of Intent: UST Permanent closure or Change-in-Service (UST-3 form) is in Appendix A. Solutions-IES met with the subcontractor, A & D Environmental Services, Inc., (A & D), on February 3, 2004 to begin work. All site activities were performed under the auspices of a Site-Specific Health and Safety Plan (HASP) that is included in Appendix B.

A&D opened an excavation in the area that had been backfilled previously by the NCDOT contractor and encountered the top of the UST at a depth of approximately 2.5 feet bgs. During further excavation, two

additional tanks were discovered. Two of the three tanks were determined by the NCDOT site representative, Stephen Schreoder to be located partially within the right-of-way for Patterson Street.

Because the original authorized scope of work involved the closure of one UST of unknown volume located adjacent to Patterson Street, Mr. Richard Johnson with the NCDOT GeoEnvironmental Branch was contacted regarding the additional two USTs. Per Mr. Johnson's direction, the scope of work was expanded to include the removal of the UST (T-1) damaged during tunneling and the second UST (T-2) located partially within the right-of-way. The third tank (T-3) was not in the DOT right-of-way, had not been damaged, and was to be left in place.

T-1 and T-2 were fully uncovered. No additional excavation of T-3 was performed. Organic Vapor Analyzer (OVA) measurements of samples of the tank cover soil were at background levels. No visible or olfactory evidence of petroleum impact (e.g. odor, discoloration) was noted in the cover soil. It was stockpiled on site and later used to supplement offsite backfill to refill the excavation.

After the two USTs were uncovered, a vacuum truck was used to remove any residual liquids contained in the tanks. T-1 was approximately three-fourths full of water mixed with fuel (gasoline odor). T-2 was approximately one-half full of fluid that had a strong odor of gasoline. After removing the water/product/ pumpable sludge, the tanks were left to sit for approximately 1 hour. The tanks were then monitored for explosive vapors using a combustible gas meter. T-1 and T-2 had readings that were less than 1.0% of the lower explosive limit (LEL).

3.2 RESIDUAL MATERIAL REMOVED

Approximately 3,060 gallons of water with a gasoline odor were removed from the two USTs by A & D. The residual material was pumped directly into a vacuum truck. The liquid was transported to A & D in Archdale, NC for disposal. A copy of the Waste Manifest for the liquid is in Appendix C. No samples of the water were collected for laboratory analysis.

3.3 SOIL EXCAVATION ACTIVITIES

The tanks were removed from the excavation using the backhoe and a chain attached to an eyelet on each tank. Upon removal from the ground, the USTs were visually inspected for exterior damage and signs of leakage and the soil was checked for signs of petroleum impact. With the exception of the damage caused by the boring equipment, T-1 was observed to be in good condition with no visible evidence of heavy pitting or corrosion perforations in the tank. T-2 also appeared to be in good condition. No petroleum odors or stains were detected beneath either T-1 or T-2. No product lines, dispensers or dispenser islands were observed in the excavation or at the site.

The resulting excavation after removal of the tanks was approximately 35 feet in a north/south direction by between 9 and 18 feet in an east/west direction extending to a depth of 8.5 ft bgs. Soil removed from the excavation consisted of brown silty clay. Neither groundwater nor bedrock was encountered at the final depth of the excavation. Figure 2 shows the approximate locations of the tanks and the final limits of the excavation with respect to site structures, Patterson Street and Martin Luther King Jr., Drive.

A total of 53.29 tons of soil was removed on February 3 and 4, 2004. The soil was loaded directly into trucks and was transported to GTA Farms, LLC in Red Springs, North Carolina for treatment and disposal. No additional soil excavation was conducted beyond that necessary to remove the tanks. Copies of the soil waste manifests are included in Appendix C.

The excavation was backfilled with the stockpiled overburden material along with clean fill provided by A & D. The fill material was placed in 12-inch lifts and compacted with the backhoe bucket. Approximately 6 inches of crushed stone, provided by NCDOT, was used to bring the backfill to grade.

3.4 LOCATION AND METHOD OF TANK DISPOSAL

Upon removal from the ground, the USTs were placed on trailers and were transported to A & D in Archdale, NC for disposal. The scrap steel was recycled at D. H. Griffin Scrap Metals in Greensboro, NC. A copy of Tank Disposal Manifest is included in Appendix D. The Site Investigation Report for Permanent closure or Change-in-Service of UST (UST-2 form) is included in Appendix E.

4.0 SITE INVESTIGATION

4.1 FIELD SCREENING OF SOILS

Soils were screened in the field using a Foxboro Model 128 Century™ Organic Vapor Analyzer (OVA). The OVA was calibrated at the start of each workday using standard 100 ppm methane in air calibration gas. The instrument calibration was re-checked occasionally over the course of the day by reinserting the tip of the instrument in the Tedlar® bag containing the calibration gas and comparing the display reading against the standard.

Discrete (grab) soil samples collected from the excavation were placed in resealable plastic bags. In the screening process, the bags were sealed and the headspace within the bag was allowed to equilibrate for approximately 20 minutes out of direct sunlight. The probe of the OVA was then inserted into the bag and the concentration of volatile organic compounds (VOCs) present in the headspace of the bag was read on the OVA display. Sample locations and VOC headspace concentrations were recorded on the field documents. Comparison of relative OVA readings was used to guide the excavation activities. Table 2 summarizes the OVA field screening measurements. Because of the general absence of hydrocarbons, the excavation was limited to what was necessary to remove the tanks.

Table 2
Soil Field Screening Data

Field Sample No	Depth in feet bgs	Location	OVA Reading (ppm)	Odor or Staining Noted
Bottom 1	8.5	North End of T-1	1.1	No
Bottom 2	8.5	South End of T-1	2.0	No
Bottom 3	8.5	East End of T-2	12	Slight odor
Bottom 4	8.5	West End of T-2	16	Slight odor
SW-1	5.0	South Sidewall	3.0	No
SW-2	5.0	West Sidewall	3.0	No
SW-3	5.0	North sidewall	1.0	No
SW-4	5.0	East Sidewall	1.0	No

4.2 SOIL SAMPLING LOCATIONS AND SAMPLING PROCEDURES

Soil samples were collected according to NCDENR's *Guidelines for Tank Closure* published in 2000, and amended September 1, 2003 (*Guidelines for Tank Closure - Change 1*) to document conditions directly beneath the tanks and in soil remaining outside the excavation.

A total of eight closure samples were collected. Four of the samples were collected as grab samples from the backhoe bucket from within 1 foot of the bottom of the two tanks. Four grab samples were collected from the sidewalls of the excavation. No stockpile samples were collected of the tank cover soils. Soil surrounding the sides of the tanks was loaded directly into trucks. The locations of the soil samples collected for laboratory analysis on February 3 and 4, 2004 are shown in Figure 3 as related to the two removed tanks.

Sample numbers: *Bottom-1* and *Bottom-2* were collected directly beneath T-1. Samples, *Bottom-3* and *Bottom-4*, were collected under T-2. Sidewall samples, *SW-1* and *SW-2*, were collected at a depth of approximately 5 feet bgs from the south and west sidewalls, respectively. Sidewall samples, *SW-3* and *SW-4* were collected from the north and east sidewalls

Each sample was transferred directly from the sampling tool to laboratory-supplied containers immediately upon collection. The containers were labeled with the sample location information, including date, time of collection, and requested analyses. The filled containers were placed on ice to chill pending delivery to Prism Analytical Laboratories in Charlotte, North Carolina under Chain-of Custody procedures by laboratory courier on February 6, 2004.

The closure samples were analyzed for VOCs by EPA Method 8260B with isopropyl ether (IPE) and methyl tert butyl ether (MTBE), Massachusetts Department of Environmental Protection (MADEP) volatile petroleum hydrocarbons (VPH), semi volatile organic compounds (SVOCs) by EPA Method 8270C, and MADEP extractable petroleum hydrocarbons (EPH).

4.3 QUALITY CONTROL MEASURES

NCDOT does not routinely specify collection of additional field QC (blind duplicate, matrix and matrix spike, equipment rinse, field, and trip blank) samples for tank closure activities. Samples submitted for laboratory analysis are collected using NCDENR-approved methods into new laboratory-supplied and pre-preserved containers as required by the analytical method. The filled containers are preserved on ice, and handled under strict Chain-of-Custody procedures. Prism Laboratories, Inc. (Prism) is approved by North Carolina (Laboratory Certification Number 402) for analyses recommended for tank closure. Laboratory QC measures including instrument calibration and frequency of blank sample analysis are described in Prism's QA/QC Manual.

4.4 INVESTIGATION RESULTS

The laboratory results of analyses performed on the eight soil samples collected at the site are summarized in Table 3. Copies of the analytical laboratory reports and Chain-of-Custody report are included in Appendix F.

Twelve VOCs were reported in one or more soil samples. Two VOCs, acetone and methylene chloride were reported at very low concentrations in five of the eight samples. While, the laboratory narrative states that neither compound was identified in laboratory blanks, both are commonly observed as laboratory artifacts. Their presence in the soil samples where no other VOCS were reported (Bottom-3, Bottom-4, and SW-1) suggests they may be either a laboratory or container-preparation artifact. Their reported presence in the soil samples is not related to former use of the tanks to contain motor fuels.

While benzene was not reported for any samples, several BTEX (benzene, toluene, ethylbenzene, and xylenes) compounds were reported. Ethylbenzene and toluene were reported as estimated "J flagged" concentrations in sample *Bottom–2*. Xylenes were also reported in sample *Bottom-2*.

Six hydrocarbons commonly associated with gasoline (sec-butylbenzene, isopropyl benzene, n-propylbenzene, 1,2,4-trimethylbenzene, naphthalene, and 1,2,4-trichlorobenzene) were reported at very low concentrations (all less than 1 mg/kg) in samples *Bottom-1* and *Bottom-2*. MTBE was reported as a "J flagged" detection in one sample, *SW-2*.

One SVOC, diethyl phthalate was reported in *SW-1* and as a "J flagged" detection in *Bottom-3*. Phthalates are commonly associated with plastics and plasticizers and maybe an artifact from the gloves used during sampling. Only *Bottom-1* had reportable concentrations of MADEP VPH carbon fractions; C5-C8 aliphatics were 27 mg/kg, C9-C12 aliphatics were 25 mg/kg, and C9-C10 aromatics were 2.1 mg/kg. No MADEP EPH carbon fractions were reported for any samples. All of the reported detections of VOCS, SVOCs and MADEP VPH analytes are well below the soil to groundwater Maximum Soil Contaminant Concentrations (MSCCS) shown in Table3.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Two orphan USTs located partially within the right of-way at 110 Patterson Street, in Maxton (Robeson County), North Carolina were removed on February 3-4, 2004 on behalf of NCDOT. A third tank located entirely on the property of D&S Car Wash was left in place.

A total of 53.29 tons of soil were removed from the excavation and were disposed off site. The excavation was backfilled on February 4, 2004.

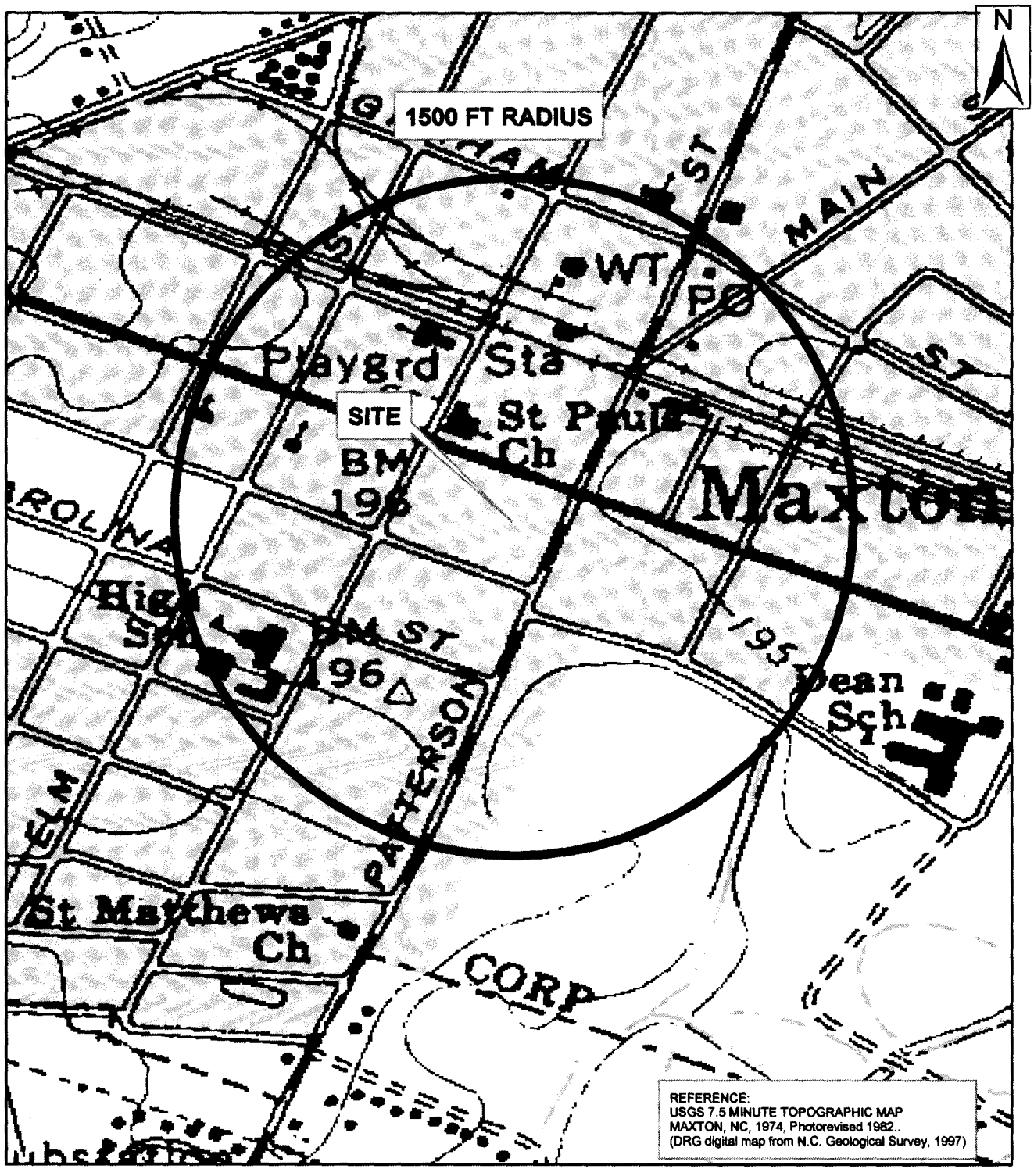
Visual observations, field screening and laboratory analyses confirm slight impact to soil from use of the USTs. However, according to the laboratory analyses, there is no residual soil contamination at concentrations greater than the soil to groundwater MSCCs beneath either of the two tanks that were closed. Because the constituent-specific analyses are below state regulatory levels, no further assessment related to the two closed USTs should be required by NCDENR. The remaining UST located at the D&S Car Wash is not being used by the current site occupant and should be removed.

6.0 SIGNATURE AND SEAL OF PROFESSIONAL ENGINEER OR LICENSED GEOLOGIST

This report was prepared under my direction.

Walter J. Beckwith, P.G.
Senior Hydrogeologist

FIGURES



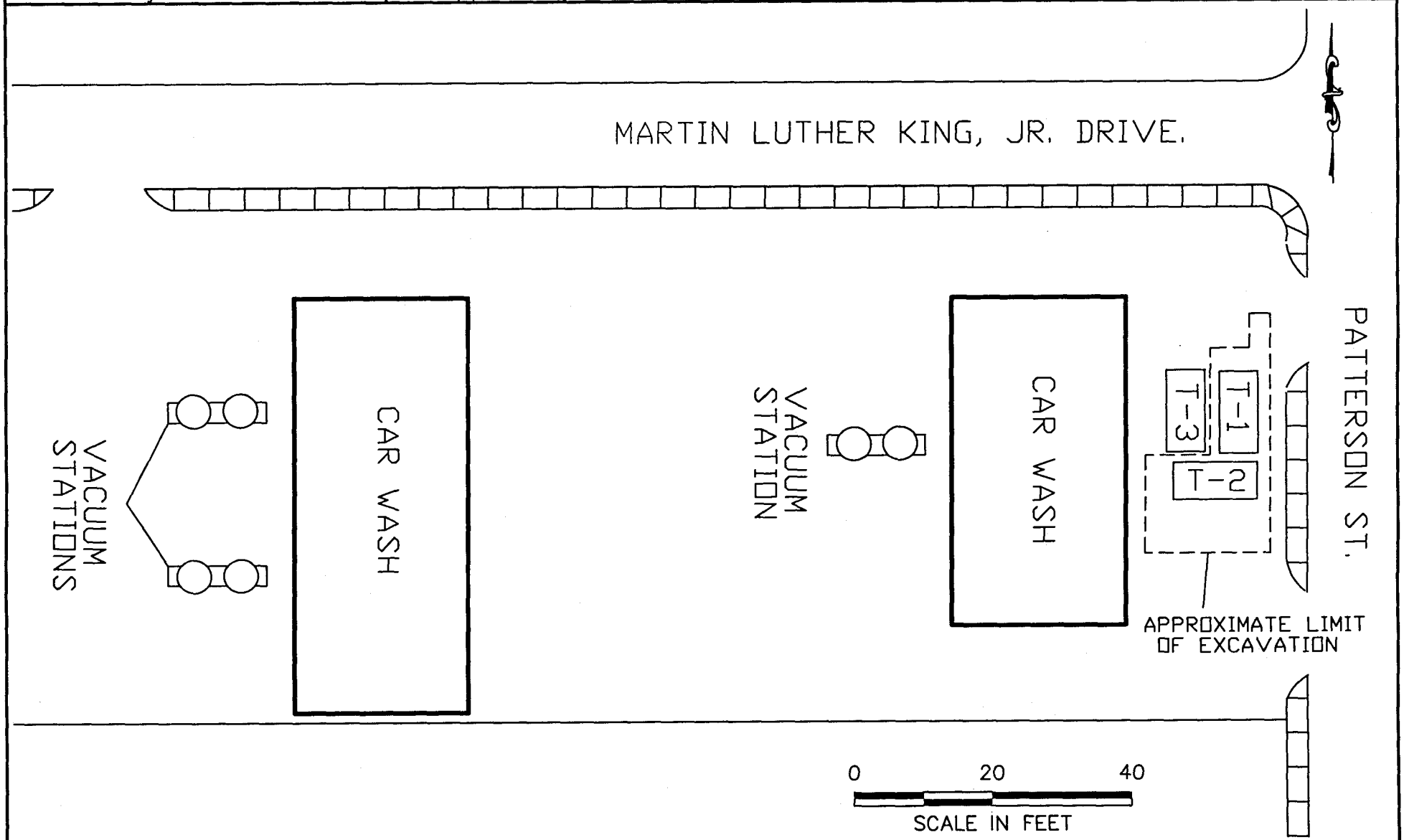
0 250 500 1,000 1,500 Feet

SITE LOCATION MAP
NC DOT Right-of-Way at D & S Automatic Car Wash
NCDOT Project # Z-4006K, WSB # 35437.2.4
110 Patterson St.
Maxton, North Carolina

Solutions
Industrial & Environmental Services
3722 Benson Drive, Raleigh, NC 27609
Phone (919) 873-1060, Fax (919) 873-1074

Created by: BT	Project: 3040.04A2.NDOT
Checked by:	Date: February 3, 2004
File: Figure 1.mxd	
Software: ESRI ArcMap 8.3	FIGURE 1

FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
FIGURE 2.dwg	3/1/04	WB		BT	3040.04A2.NDOT



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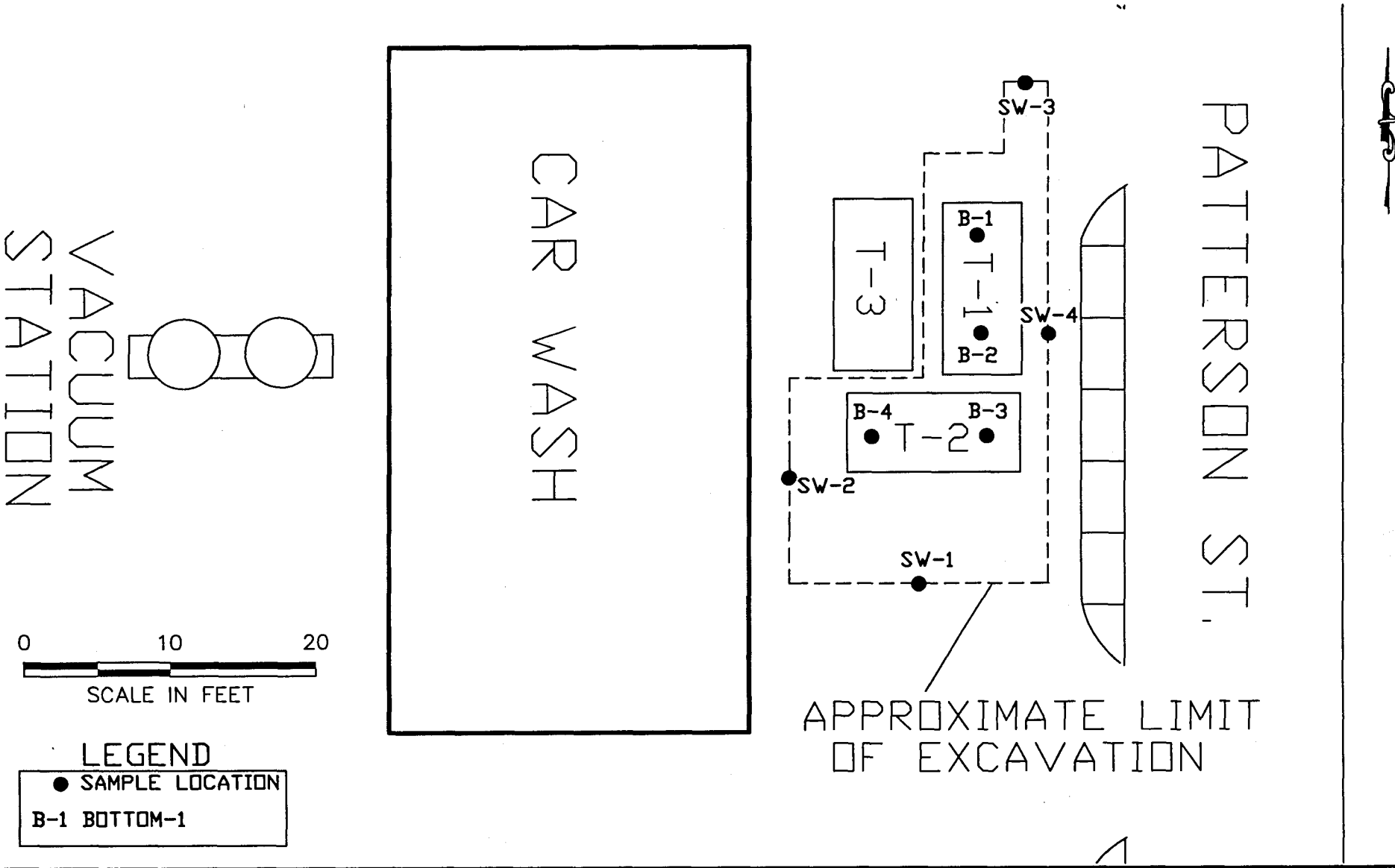
SITE LAYOUT MAP
NC DOT Right-of-Way at D & S Automatic Car Wash
NC DOT Project # Z-4006K, WBS# 35437.2.4
110 Patterson St.
Maxton, North Carolina

FIGURE:
2

FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
FIGURE 3.dwg	2/4/04	WB		BT	3040.04A2.NDOT



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SOIL SAMPLE LOCATION MAP
NC DOT Right-of-Way at D & S Automatic Car Wash
TIP # Z-4006K, WBS# 35437.2.4
110 Patterson St.
Maxton, North Carolina

FIGURE:
3

TABLES

TABLE 3
SUMMARY OF CONSTITUENT-SPECIFIC SOIL ANALYTICAL RESULTS
FOR TANK PIT SAMPLES
NC DOT Right-ofWay at D & S Automatic Car Wash
State Project # Z-4006K, WBS Element # 35437.2.4
110 Patterson St.
Maxton, North Carolina

Soil Sample ID	BOTTOM-1	BOTTOM-2	BOTTOM-3	BOTTOM-4	SW-1	SW-2	SW-3	SW-4	Soil-to-Water Maximum Soil Contaminant Concentration (MSCC) (mg/kg)
Sample Location	Bottom of Excavation (UST-1)	Bottom of Excavation (UST-1)	Bottom of Excavation (UST-2)	Bottom of Excavation (UST-2)	South Sidewall	West Sidewall	North Sidewall	North Sidewall	
Sample Date	2/3/2004	2/3/2004	2/3/2004	2/3/2004	2/3/2004	2/3/2004	2/4/2004	2/4/2004	
Sample Depth ft bls[1]	8.5	8.5	8.5	8.5	5.0	5.0	5.0	5.0	
Field Screening Results Total Volatile Organic Vapors[2]	1.1 ppm	2.0 ppm	12 ppm	16 ppm	3.0 ppm	3.0 ppm	1.0 ppm	1.0 ppm	
EPA Method 8260B/5035 - Volatile Organics (mg/kg)									
Acetone	<3.30	<0.050	0.066	0.12	<0.050	0.098	<0.050	<0.050	3.0
Sec-Butylbenzene	0.38	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	3.0
Isopropylbenzene	0.70	0.0064	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.0
N-Propylbenzene	1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.0
1,2,4-Trimethylbenzene	0.65	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	8.0
Naphthalene	<0.660	0.021	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.58
Toluene	<0.330	0.0039[3]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	7.0
1,2,4-Trichlorbenzene	<0.330	0.018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.6
Total Xylenes	<0.330	0.016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	5.0
Methyl-Tert-Butyl-Ether (MTBE)	<0.660	<0.010	<0.010	<0.010	<0.010	.0053[3]	<0.010	<0.010	0.92
Ethylbenzene	<0.330	0.0034[3]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.24
Methylene Chloride	<0.33	<0.005	0.0063	0.0045[3]	0.0065	<0.005	<0.005	0.0048[3]	0.02
EPA Method 8270C/SW-846 - Semi-Volatile Organics (mg/kg)									
Diethyl Phthalate	<0.410	<0.420	0.29[3]	<0.410	0.46	<0.440	<0.400	<0.470	NA
MADEP VPH and EPH (mg/kg)									
C5-C8 Aliphatics	27	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	72
C9-C12 Aliphatics	25	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	3,255
C9-C10 Aromatics	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	34

Notes:

[1] Feet below ground surface.

[2] Samples were field analyzed with a Foxboro Organic Vapor Analyzer 128GC.

[3] Estimated concentration between the detection limit and the reporting limit

APPENDIX A

Robeson County UST Removal Permit and Notification of Intent: UST Permanent closure or Change-in-Service (UST-3 form)

Fire Prevention Form I

APPLICATION TO USE, MAINTAIN STORE OR HANDLE MATERIALS, OR TO CONDUCT PROCESSES WHICH PRODUCE CONDITIONS HAZARDOUS TO LIFE OR PROPERTY, OR TO INSTALL EQUIPMENT USED IN CONNECTION WITH SUCH ACTIVITIES.

February 11, 2004
Date
To Robeson County Fire Marshal

Application is hereby made by the undersigned for a Permit to:

Use	Install	Operate	Conduct
Maintain	Store	(Remove)	Abandon

in or on the premises located at 110 Patterson , Maxton NC 28364 Street, Avenue, or State Road the following materials, processes or operations.

Describe briefly what the intended use of the building or structure or operation to be conducted on the premises.
Removal of (2) 2000 underground storage tanks at car wash.

Owner:
Name NC DOT Phone No. 910-618-5543
Mailing Address PO Box 1150, Fayetteville State NC Zip 28301

Operator:
Name NC DOT Phone No. 910-618-5543
Mailing Address PO Box 1150 , Fayetteville State NC Zip 28301

Contractor:
Name: SIES Phone No. _____
Mailing Address 3722 Benson Drive, Raleigh State NC Zip 27609

I understand and consent to the above stipulated conditions upon which this permit is granted. Failure to obtain permit and comply with regulations may render me liable to the penalties provided by law.

Stephanie Ward
Fire Marshal

_____
Signature of Applicant

February 11, 2004	X		3722 Benson Drive, Raleigh NC
Date	Granted	Denied	Address of Applicant

1669	250.00		4507	
Receipt No.	Amount	Cash	Check No.	Rec. By

Fire prevention Form 3.

ROBESON COUNTY
FIRE PREVENTION
PERMIT

No. 1669

February 11, 2004
(Date)

TO WHOM IT MAY CONCERN:
By virtue of the provisions of the Fire Prevention Ordinance of Robeson County, N.C.

SIES No. 3722 Benson Drive Road or Street Raleigh NC 27609
(Name of Concern)
conducting a Removal of storage tanks having made application in due form, and as the
(Business)
conditions, surrounding, and arrangements are, in my opinion, such that the intent of the Ordinance can be observed, authority is hereby given and this PERMIT is GRANTED for removal of (2) 2000 underground storage tanks at 110 Patterson, Maxton NC

This PERMIT is issued and accepted on condition that all Ordinance provisions now adopted, or that may hereafter be adopted, shall be complied with.

THIS PERMIT IS VALID FOR 6 months.

This permit does not take the place of any License required by law and is not transferable. Any change in the use or occupancy of premises shall require a new permit.

Stephanie Chavis
Fire Marshal

THIS PERMIT MUST AT ALL TIMES BE KEPT POSTED ON THE PREMISES MENTIONED ABOVE.

FEB-27-2004 11:25 PM RCFIREMARSHAL 910 671 3327 P.02

UST-3 Notice of Intent: UST Permanent Closure of Change-in-Service

FOR TANKS IN **NC**

Return completed form to:
The DWM Regional Office located in the area where the facility is located. SEE MAP ON THE BACK OF THIS FORM FOR REGIONAL OFFICE ADDRESSES.

STATE USE ONLY
I.D. #_____
Date Received_____

INSTRUCTIONS

Complete and return at least five (5) working days prior to closure or change-in-service if a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and seals all closure reports. Otherwise, a thirty (30) day notice is required.

I. OWNERSHIP OF TANKS

North Carolina Department of Transportation
Owner Name (Corporation, Individual, Public Agency, or Other Entity)
1020 Birch Ridge Drive
Street Address
Raleigh — Wake
City — County
NC — 27611
State — Zip Code
919 250-4088 — Mr. Richard Johnson
Area Code Phone Number

II. LOCATION

D & S Automatic Car Wash
Facility Name or Company
None Known
Facility ID # (If known)
110 Patterson Street
Street Address
Maxton — County — Zip Code
City
Area Code Phone Number

III. CONTACT PERSONNEL

Name Mr. Richard Johnson Job Title _____ Phone Number 919 250-4088

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN SERVICE

1. Contact local fire marshal.
2. Plan entire closure event.
3. Conduct Site Soil Assessment.
4. If removing tanks or closing in place, refer to API Publication 2015 *Cleaning Petroleum Storage Tanks* and 1604 *Removal and Disposal of Used Underground Petroleum Storage Tanks.*
5. Provide a sketch locating piping, tanks and soil sampling locations.
6. Submit a closure report in the format of UST-12 (including the form UST-2) within thirty (30) days following the site investigation.
7. If a release from the tanks has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G. If a release has not occurred, the supervision, signature or seal of a P.E. or L.G. is not required.
8. Keep closure records for three (3) years.

V. WORK TO BE PERFORMED BY

Contractor Name A & D Environmental & Industrial Services, Inc.
Address P.O. Box 484 High Point — State NC — Zip Code 27261
Contact Person Scott Pearce — Phone No. _____
Primary Consultant Solutions - IES — Phone No. 919 873-1060

VI. TANKS SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

Tank ID #	Tank Capacity	Last Contents	Proposed Activity: Closure – Removal	Proposed Activity: Closure – Abandonment in Place	Proposed Activity: Change-In-Service – New Contents Stored
1	2,100 gallons	unknown orphan Tank	☒	☐	
2	2,100 gallons	unknown "	☒	☐	
			☐	☐	
			☐	☐	
			☐	☐	
			☐	☐	

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

I understand that I can be held responsible for environmental damage resulting from the improper disposal of my USTs. Read note on the back of this form before signing.
Print name and official title Walter Beckwith, Acting on behalf of NCDOT Senior Hydrogeologist Solutions - IES

Signature	Date Signed	SCHEDULED REMOVAL DATE	Notify your DWM Regional Office 48 hours before this date if scheduled removal date changes
Walter Beckwith	3/5/04	February 3, 2004	

UST-3 Rev 02/2001 White copy – Regional Office Yellow Copy – Central Office Pink Copy - Owner

APPENDIX B

Site Specific Health and Safety Plan

SITE-SPECIFIC HEALTH AND SAFETY PLAN

MAXTON UST REMOVAL AND SAMPLING
110 PATTERSON ST.., MAXTON, NC
SOLUTIONS-IES PROJECT NUMBER: 3040.04A2.NDOT

I. Site History and Description

A. Site Classification: (i.e. plant, landfill, etc.)

The UST is located in the utility easement on the northeast side of D & S Automatic Car Wash.

B. Activities performed prior to investigation: (i.e. groundwater sampling, tank removal, spill, fire, etc.)

NCDOT Contractors discovered the UST while excavating to install utility lines. The UST was damaged by excavating equipment.

C. Unusual Features: (i.e. lakes, streams, utilities, dikes, drum storage, etc.)

The UST is located the intersection of Patterson St. and Martiin Luther King, Jr. Drive so there is a possibility of vehicular traffic and the utility trench will probably still be open.

D. Waste Classification: ✓ Solid ✓ Liquid ___ Gas ___ Sludge

E. Waste Characterization: ___ Toxic ___ Corrosive ___ Radioactive
✓ Flammable/Volatile ___ Reactive
___ Other (Specify)_____

F.

Substance(s)	Quantity	Toxicity (PEL/TLV)
Heating Oil	Unknown	100 ppm (TWA)
Gasoline	Unknown	3 ppm
Diesel Fuel	Unknown	20 ppm

G. Physical Hazards: ✓ Heat ___ Cold ✓ Noise ___ Radiation

✓ Other (Specify)Traffic

H. Weather:

Temperatures are expected to be typical of winter in NC, low's in the 30's and highs in the 40's or 50's

II. Site Organization and Control

A. Work area identified as:

Area adjacent to the tank. The work area will be identified in the field and will be marked with traffic cones and caution tape.

B. Decontamination area identified as:

Area adjacent to Solutions-IES work vehicle.

C. Support area identified as:

Solutions-IES work vehicle

D. Site security maintained by:

NCDOT Contractor.

III. Job Activities and Work Plans

A. Type of Activity: UST removal and soil sampling.

1. Boring Installation

2. Soil: ✓ excavation ___ treatment ✓ sampling

3. Other (specify):
Product removal using a vacuum truck.

Comments:

B. Work Plan Description:

One UST along with any associated product, will be excavated and removed from the site. The soil above the tanks will be removed, the liquid level in the tank will be measured, and the liquid will be removed using a vacuum truck. An explosimeter will be used to measure the concentration of explosive vapors in the tank. If the concentration is less than 10% of the lower explosive limit (LEL), the tank will be considered safe to remove. If the concentration is above 10% of the LEL, dry ice will be put in the tank to displace the oxygen. The tank will be considered safe to be removed when the O2 level is below 5%. If dry ice is not available, a blower will be used to vent the tank until the concentration of explosive vapors is below 10% of the LEL. Soil samples will be collected from beneath the tank in accordance with the December 2000 Guidelines for Tank Closure published by the NCDENR UST Section.

IV. Levels of Protection

Job Activity	Personal Protective Equipment (PPE)	Level
1. UST Removal and Soil Sampling	Steel toe boots, nitrile gloves, Ear plugs, safety glasses, hard hat and orange safety vest.	**D**

V. Ambient Field Monitoring

A. Equipment required:

1. Flame Ionization Detector [OVA (Foxboro 128 or equivalent)]
2. Explosimeter (Verify that contractor will supply and use it)

B. Monitoring Protocol:

Monitor the breathing zone frequently. If readings approach 5 ppm over background, cease activities move upwind from the suspected source and let levels stabilize. Return to work when levels return to less than 5 ppm. If levels do not decrease, stop activities and call Solutions-IES Health and Safety officer.

VI. Safety Equipment List

A. First-Aid kit ✓ Yes ___ No Location: Solutions-IES truck

B. Fire Extinguisher: ✓ Yes ___ No Location: Solutions-IES truck

C. Communication: ___Buddy ___ Radio ___ Hand Signals ✓ Cell Phone

D. Personal Protective Equipment List: Level D

__ Tyvek
__ Chemical Resistant Suit
__ Fully Encapsulated Suit
✓ Steel Toed Boots
✓ Hard Hat
✓ Safety Glasses
✓ Ear Plugs (**See Attached Hearing Protection Protocol**)
__ Gloves, inner (specify)_____
✓ Gloves, outer (specify) Nitrile, work gloves
__ Respirator, Type: ___ Half-face ___ Full-face ___ SCBA
__ Respirator Cartridge Type:_____
✓ Water Cooler
✓ Cell Phone
✓ Traffic Cones
✓ Orange Work Vest
✓ API UST Closure Guidelines
✓ NCDENR UST Section Tank Closure Guidelines
✓ Other(specify)Caution Tape

VII. Decontamination Equipment

___ Pressure Washer (Geoprobe) ___ Solvent Rinse
___ Steam Ginny (Drill Rig) ___Other (specify)_____
✓ Water
✓ Liquinox™
✓ 5-Gallon Carboy of Deionized Water

VIII. Decontamination Procedures

Activity: Soil Sampling

Procedure: All sampling equipment will be rinsed with potable water, washed with a Liquinox™/water mixture, and then rinsed with DI water and allowed to air dry.

IX. Sanitation:

Restrooms/Hand Washing:
Unknown.

Shower:
Not Available

Comments:

X. Education, Training and Medical Surveillance

A. Special Training Beyond OSHA 40-Hour Requirement?
✓ No
___ Yes (specify) _____

B. Special Medical Monitoring beyond standard OSHA program required?

✓ No
___ Yes (specify) _____

APPENDIX C

Soil, Water and Sludge Manifests

MATERIAL MANIFEST

A & D Environmental and Industrial Services, Inc.

EMERGENCY PHONE NO. (800) 434-7750
POST OFFICE BOX 484
HIGH POINT, NC 27262
TEL (336) 434-7750
FAX (336) 434-7752

Manifest Document No.

Page 1 of 1

A & D Job No. [illegible]

GENERATOR INFORMATION

Name: Solutions, IES

US EPA ID No.:

Street Address: Carwash, 110-112 Patterson St, Maxton NC

Mailing Address:

Phone No.: 919-602-6743

Contact: Bob Tripplett

DESCRIPTION OF MATERIALS

	HM	USDOT Proper Shipping Name (Complete All Items for Hazardous Materials)	Hazard Class or Div.	UN / NA ID No.	Packing Group	Containers Qty.	Containers Type	Total Quantity	Unit Wt./Vol.
a.		Non Regulated liquids N.O.S	NA	NA	NA	1	TT	421	G
b.									
c.									

ADDITIONAL INFORMATION		ERG No.	A & D Profile Code	Facility Use
a.	Water, Gas			
b.				
c.				

GENERATOR'S CERTIFICATION

This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40 CFR Part 261 or any applicable state law, and unless specifically identified above, the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2 ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed / Typed Name: Bob Tripplett

Signature: [signature]

Mo. / Day / Yr.: 2/3/04

TRANSPORTER INFORMATION

Transporter: A&D Environmental

Address: 2718 Uwharrie Rd, Archdale NC 27263

Transporter or EPA ID No.: NCD986232221

Unit No.: VT-9

Phone: 336-434-7750

I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.

Signature: [signature] Shipment Date: 2-3-04

I hereby acknowledge that the above-described materials were received from the generator site and were transported to the facility listed below.

Signature: [signature] Delivery Date: 2-3-04

FACILITY INFORMATION

Facility: A&D Environmental

Address: 2718 Uwharrie Road, Archdale, NC

Facility or EPA ID No.:

Phone: 336-434-7750

Contact: Eric D. McManus

I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.

Signature: Eric D. McManus Receipt Date: 2-4-04

Discrepancies / Routing Codes / Handling Methods

a.

b.

c.

ORIGINAL - Facility Retain COPY 2 - Return to Generator COPY 3 - Transporter Retain COPY 4 - Generator Retain

MATERIAL MANIFEST

A & D Environmental and Industrial Services, Inc.

EMERGENCY PHONE NO. (800) 434-7750
POST OFFICE BOX 484 HIGH POINT, NC 27262
TEL (336) 434-7750 FAX (336) 434-7752

Manifest Document No.

Page 1 of 1

A & D Job No.

GENERATOR INFORMATION

Name: Solutions, IES

US EPA ID No.

Street Address: Car wash 110-112 Patterson St Marion NC

Mailing Address

Phone No. 919-602-6745

Contact: Bob Tripplett

DESCRIPTION OF MATERIALS

	HM	USDOT Proper Shipping Name (Complete All Items for Hazardous Materials)	Hazard Class or Div.	UN / NA ID No.	Packing Group	Containers Qty.	Containers Type	Total Quantity	Unit Wt./ Vol.
a.		Non Regulated liquids N.O.S	NA	NA	NA	1	TT	2639	G
b.									
c.									

ADDITIONAL INFORMATION	ERG No.	A & D Profile Code	Facility Use
a. water			
b.			
c.			

GENERATOR'S CERTIFICATION

This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waste as defined by EPA 40 CFR Part 261 or any applicable state law, and unless specifically identified above, the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levels (2 ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed / Typed Name: Bob Tripplett | Signature | Mo. / Day / Yr.: 2/3/04

TRANSPORTER INFORMATION

Transporter: A & D ENVIRONMENTAL AND INDUSTRIAL SERVICES

Address: 2718 UWHARRIE ROAD ARCHDALE, NC 27263

Transporter or EPA ID No: NCD986232221 | Unit No.: VT-7

Phone: (336) 434-7750

I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.

Signature: Guy Somers | Shipment Date: 2-3-04

I hereby acknowledge that the above-described materials were received from the generator site and were transported to the facility listed below.

Signature: Guy Somers | Delivery Date: 2-3-04

FACILITY INFORMATION

Facility: A & D ENVIRONMENTAL AND INDUSTRIAL SERVICES

Address: 2718 UWHARRIE ROAD ARCHDALE, NC 27263

Facility or EPA ID No: NCD986232221

Phone: (336) 434-7750

Contact: ERIC MCMANUS

I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.

Signature: Eric D McManus | Receipt Date: 2-4-04

Discrepancies / Routing Codes / Handling Methods

a.

b.

c.

ORIGINAL - Facility Retain | COPY 2 - Return to Generator | COPY 3 - Transporter Retain | COPY 4 - Generator Retain

NON-HAZARDOUS WASTE MANIFEST

EMERGENCY PHONE NO.
(910) 843-4456

GTA Farms, LLC
1295 McNeill Lake Road
Shannon, NC 28386
(910) 843-5000
SRU 600072

Manifest Document No.

Generator GPS Location

Page ___ of ___

GENERATOR INFORMATION

Name: [illegible]

US EPA ID No.

Street Address: [illegible]

Mailing Address

Phone No.: [illegible]

Contact: [illegible]

DESCRIPTION OF MATERIALS (Additional Information on Back)

	HM	USDOT Proper Shipping Name	Hazard Class or Div.	UN/NA ID No.	Packing Group	Containers Qty	Containers Type	Total Quantity	Unit Wt/Vol
a.		Petroleum Contaminated Soil	N/A	N/A	NA	1	DT	[illegible]	[illegible] T
b									
c									

WASTE ORIGINATION LOCATION (COMPLETE ADDRESS)

[illegible]

NOTE: SEE SOIL ANALYTICAL REQUIREMENTS ON BACK OF THIS FORM

GENERATOR'S CERTIFICATION

This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waster as defined by EPA 40 CPR Part 261 or any applicable state law, and unless specifically identified above, the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levers (2 ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed/Typed Name | Signature | Mo/Day/Yr.

TRANSPORTER INFORMATION

Transporter: [illegible] Environmental

I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.

Address: [illegible]

Signature [signature] Mo/Day/Yr. [illegible]

Transporter or EPA ID No.

Unit No. [illegible]

I hereby acknowledge receipt of the above-described materials were received from the generator site and were transported to the facility listed below.

Phone: [illegible]

Signature [signature] Mo/Day/Yr. [illegible]

FACILITY INFORMATION

Facility: GTA Farms, LLC.

Mailing Address: Post Office Box 547
Red Springs, NC 23877

I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.

Signature [signature] Receipt Date [illegible]

Facility Permit No. SRU 600072

Discrepancies / Routing Codes / Handling Methods

Phone (910) 843-5000 or (910) 843-4456

Contact: Thomas Ammons

GPS LOCATION:

WHITE: Generator CANARY: Transporter #1 PINK: Transporter #2 GOLD: Generator

NON-HAZARDOUS WASTE MANIFEST

EMERGENCY PHONE NO.
(910) 843-4456

GTA Farms, LLC
1295 McNeill Lake Road
Shannon, NC 28386
(910) 843-5000
SRU 600072

Manifest Document No.

Generator GPS Location | Page ___ of ___

GENERATOR INFORMATION

Name

US EPA ID No.

Street Address

Mailing Address

Phone No.

Contact

DESCRIPTION OF MATERIALS (Additional Information on Back)

	HM	USDOT Proper Shipping Name	Hazard Class or Div.	UN/NA ID No.	Packing Group	Containers Qty	Containers Type	Total Quantity	Unit Wt/Vol
a.		Petroleum Contaminated Soil							T
b									
c									

WASTE ORIGINATION LOCATION (COMPLETE ADDRESS)

NOTE: SEE SOIL ANALYTICAL REQUIREMENTS ON BACK OF THIS FORM

GENERATOR'S CERTIFICATION

This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waster as defined by EPA 40 CPR Part 261 or any applicable state law, and unless specifically identified above, the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levers (2 ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed/Typed Name | Signature | Mo/Day/Yr.

TRANSPORTER INFORMATION

Transporter

Address

Transporter or EPA ID No. | Unit No.

Phone

I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.

Signature | Mo/Day/Yr.

I hereby acknowledge that the above-described materials were received from the generator site and were transported to the facility listed below.

Signature | Mo/Day/Yr.

FACILITY INFORMATION

Facility GTA Farms, LLC.

Mailing Address Post Office Box 547
Red Springs, NC 23877

Facility Permit No. SRU 600072

Phone (910) 843-5000 or (910) 843-4456

Contact: Thomas Ammons

I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.

Signature | Receipt Date

Discrepancies / Routing Codes / Handling Methods

GPS LOCATION:

WHITE: Generator CANARY: Transporter #1 PINK: Transporter #2 GOLD: Generator

#3 – 13.35 ton

NON-HAZARDOUS WASTE MANIFEST

EMERGENCY PHONE NO.
(910) 843-4456

GTA Farms, LLC
1295 McNeill Lake Road
Shannon, NC 28386
(910) 843-5000
SRU 600072

Manifest Document No.

Generator GPS Location | Page ___ of ___

GENERATOR INFORMATION

Name

US EPA ID No.

Street Address

Mailing Address

Phone No.

Contact

DESCRIPTION OF MATERIALS (Additional Information on Back)

	HM	USDOT Proper Shipping Name	Hazard Class or Div.	UN/NA ID No.	Packing Group	Containers Qty	Containers Type	Total Quantity	Unit Wt/Vol
a.		Petroleum Contaminated Soil				1	DT	17.98	T
b									
c									

WASTE ORIGINATION LOCATION (COMPLETE ADDRESS)

NOTE: SEE SOIL ANALYTICAL REQUIREMENTS ON BACK OF THIS FORM

GENERATOR'S CERTIFICATION

This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. I further certify that none of the materials described above are a hazardous waster as defined by EPA 40 CPR Part 261 or any applicable state law, and unless specifically identified above, the materials contain less than 1,000 ppm total halogens and do not contain quantifiable levers (2 ppm) of PCBs as defined by EPA 40 CFR Parts 279 and 761.

Printed/Typed Name | Signature | Mo/Day/Yr.

TRANSPORTER INFORMATION

Transporter
A1D Environmental

Address

Transporter or EPA ID No. | Unit No. DT

Phone
(336) – 434 – 7750

I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.

Signature | 2-4-04 Mo/Day/Yr.

I hereby acknowledge that the above-described materials were received from the generator site and were transported to the facility listed below.

Signature | 2-4-04 Mo/Day/Yr.

FACILITY INFORMATION

Facility GTA Farms, LLC.

Mailing Address Post Office Box 547
Red Springs, NC 23877

I hereby acknowledge receipt of the materials covered by this manifest except for any discrepancy noted below.

Signature | 2/04/04 Receipt Date

Facility Permit No. SRU 600072

Discrepancies / Routing Codes / Handling Methods

Phone (910) 843-5000 or (910) 843-4456

Contact: Thomas Ammons

GPS LOCATION:

WHITE: Generator CANARY: Transporter #1 PINK: Transporter #2 GOLD: Generator

APPENDIX D

Tank Disposal Manifest

A&D Environmental and Industrial Services
P.O. Box 484 • High Point, NC • Phone (336) 434-7750 • FAX (336) 434-7752

TANK DISPOSAL MANIFEST

AD-04269

1) **Tank Owner/Authorized Representative:** Name and Mailing Address Solutions, Inc
Car wash
110-112 Patterson St
Marion NC

2) **Tank Owner/Authorized Representative:** Contact _____
Phone#: _____

3) **Description Of Tanks:**

Tank No.	Capacity	Previous Contents	Comments
#1	2,000G	water, Gas	
#2	2,000G	water, Gas	

4) **Tank Owner/Authorized Representative Certification:** The undersigned certifies that the above listed storage tanks have been removed from the premises of the tank owner.

Bob Triplett — Signature — 2/3/04
Printed/Typed Name *Signature* *Month/Day/Year*

5) **Transporter:** The undersigned certifies that the above listed storage tanks have been transported to A&D Environmental and Industrial Services, 2718 Uwharrie Road, Archdale, N.C. 27263.

Guy Summers — Guy Summers
Printed/Typed Name *Signature* *Month/Day/Year*

6) **Disposal Certification:** The undersigned certifies that the above-named storage tank(s) have been cut into scrap pieces and accepted by the metal recycling facility.

Recycling Facility: D.H. Griffin Scrap Metals - Greensboro NC

Eric D McManus — Eric D. McManus — 2-5-04
Printed/Typed Name *Signature* *Month/Day/Year*

APPENDIX E

Site Investigation Report for Permanent closure or Change-in-Service of UST (UST-2 form)

UST-2 Site Investigation Report for Permanent Closure or Change-in-Service of UST

FOR TANKS IN NC

Return completed form to:
The DWM Regional office in the area the facility is located. SEE MAP ON THE BACK OF THIS FORM FOR REGIONAL OFFICE ADDRESSES. Return the yellow copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED".

STATE USE ONLY:
I.D. #_____
Date Received_____

I. OWNERSHIP OF TANKS

Unknown
Owner Name (Corporation, Individual, Public Agency, or Other Entity)

Street Address

City | County

State | Zip Code

Area Code | Phone Number

II. LOCATION OF TANKS

NCDOT Right-of-Way
Facility Name or Company

Facility ID # (If known)

110 Patterson St.
Street Address

Maxton | Robeson | 28364
City | County | Zip Code

Area Code | Phone Number

III. CONTACT PERSONNEL

Name Richard Johnson, LG | Job Title Project Manager | Tel. No. (919) 250-4088

Closure Contractor A+D Environmental | Address 2718 Uwharrie Rd Archdale, NC 27263 | Tel. No. (336) 434-7750

Primary Consultant Solutions-IES | Address 3722 Benson Dr Raleigh, NC 27609 | Tel. No. (919) 873-1060

Lab Prism Laboratories, Inc | Address 449 Springbrook rd Charlotte, NC 28224 | Tel. No. (704) 529-6364

IV. UST INFORMATION / V. EXCAVATION CONDITION

Tank No.	Size in Gallons	Tank Dimensions	Last Contents	Water in excavation Yes	Water in excavation No	Free product Yes	Free product No	Notable odor or visible soil contamination Yes	Notable odor or visible soil contamination No
1	2,132	12 X 5.5 ft	gasoline		X		X		X
2	2,132	12 X 5.5 ft	gasoline		X		X		X

VI. ADDITIONAL INFORMATION

See reverse side of pink copy (owner's copy) for additional information required by NC DWM in the written report and sketch.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

VII. CHECKLIST (CHECK THE ACTIVITIES COMPLETED)

PERMANENT CLOSURE
(For Removal or Abandonment-in-Place)

- ☑ Contact local fire marshal
- ☑ Notify DWM Regional Office before abandonment
- ☑ Drain and flush piping into tank
- ☑ Remove all product and residuals from tank
- ☑ Excavate down to tank
- ☑ Clean and inspect tank
- ☑ Remove drop tube, fill pipe, gauge pipe, vapor recovery tank connections, submersible pumps, and all other tank fixtures
- ☑ Cap or plug all lines except the vent and fill lines
- ☑ Purge the tank of all product and flammable vapors
- ☑ Cut one or more large holes in the tank
- ☑ Backfill the area

Date tank(s) Permanently Closed: 2/4/04

Date of Change in-service: _____

ABANDONMENT IN PLACE

- ☐ Fill tank until material overflows tank opening
- ☐ Plug or cap all openings
- ☐ Disconnect and cap or remove vent line
- ☐ Solid inert material used –specify_____

REMOVAL

- ☑ Create vent hole
- ☑ Label tank
- ☑ Dispose of tank in approved manner. Final tank destination:

D. H. Griffen Scrap Metals.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true accurate and complete

Print name and official title of owner or owner's authorized representative	Signature	Date Signed
Bob Triplett Solutions-IES Environmental Tech		2/20/04

UST-2 Rev 02/2001 | White copy – Regional Office | Yellow Copy – Central Office | Pink Copy - Owner

APPENDIX F

Laboratory Analytical Reports and Chain of Custody Records

Case Narrative

PRISM LABORATORIES, INC.

Date: 2/23/04

Company: Solutions-IES
Contact: Bob Triplett
Address: 3722 Benson Dr.
Raleigh, NC 27609

Client Project ID: Maxton Tank Pull
Prism Log-In Group No: 5952L9

The attached Laboratory Report contains the analytical results for the project identified above and includes Quality Control Data and a Chain-of-Custody copy.

Data qualifiers are flagged individually on each sample. Quality control statements and/or sample specific remarks are included in the sample comments section of the laboratory report for each sample affected.

Please call if you have any questions relating to this analytical report.

Data Reviewed by: Robbi A. Jones
Signature: Robbi A. Jones
Review Date: 2/23/04

Project Manager: Angela D. Overcash
Signature:
Approval Date: 2/23/04

Note: This report should not be reproduced, except in its entirety, without the written consent of Prism Laboratories, Inc.

449 Springbrook Road, P. O. Box 240543, Charlotte, NC 28224-0403
Phone: 704/529-6364 Toll Free: 800/529-6364 Fax: 704/525-0409

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-1**
Prism Sample ID: **AD07478** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:48
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
C5-C8 Aliphatics	27	mg/kg	7	MADEP VPH	2/12/04 03:03	EHT
C9-C12 Aliphatics	25	mg/kg	6	MADEP VPH	2/12/04 03:03	EHT
C9-C10 Aromatics	2.1	mg/kg	2	MADEP VPH	2/12/04 03:03	EHT
Surrogate % Recovery - PID	99	%	(70-130)	MADEP VPH	2/12/04 03:03	EHT
Surrogate % Recovery - FID	124	%	(70-130)	MADEP VPH	2/12/04 03:03	EHT
Dilution Factor	1	mg/kg		MADEP VPH	2/12/04 03:03	EHT
Dry Weight Received	14.38 g	mg/kg		MADEP VPH	2/12/04 03:03	EHT

EXTRACTION FOR EPH	9.96g-2mL			MADEP-EPH	2/10/04 07:30	JDP
C9-C18 ALIPHATICS	Not detected	mg/kg	40	MADEP-EPH	2/12/04 15:46	GRR
[illegible]-C36 ALIPHATICS	Not detected	mg/kg	20	MADEP-EPH	2/12/04 15:46	GRR
C11-C22 AROMATICS	Not detected	mg/kg	20	MADEP-EPH	2/12/04 15:46	GRR
SURROGATE RECOVERY - ALIPHATIC	63	%	(40-140)	MADEP-EPH	2/12/04 15:46	GRR
SURROGATE RECOVERY - AROMATIC	57	%	(40-140)	MADEP-EPH	2/12/04 15:46	GRR
SURR:2-FLUOROBIPHENYL	66	%	(40-140)	MADEP-EPH	2/12/04 15:46	GRR
SURR:2-BROMONAPHTHALENE	58	%	(40-140)	MADEP-EPH	2/12/04 15:46	GRR
DILUTION FACTOR	1	mg/kg		MADEP-EPH	2/12/04 15:46	GRR
DRY WEIGHT	8.1	mg/kg		MADEP-EPH	2/12/04 15:46	GRR

CALCULATIONS BASED ON DRY WT.	81.2	% DRY WT.	0.01	SM 2540 G	2/10/04 10:25	CWC
PREP. METHOD 3550	30.10g-1mL			SW846-3550B	2/11/04 07:30	JDP
ACETONE	Not detected	mg/kg	3.30	SW846-8260B	2/13/04 01:38	KC
BENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
BROMOBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
BROMOCHLOROMETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
BROMODICHLOROMETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
BROMOFORM	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
BROMOMETHANE	Not detected	mg/kg	0.660	SW846-8260B	2/13/04 01:38	KC
2-BUTANONE (MEK)	Not detected	mg/kg	6.60	SW846-8260B	2/13/04 01:38	KC
N-BUTYLBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
[illegible]EC-BUTYLBENZENE	0.38	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-1**
Prism Sample ID: **AD07478** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:48
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TERT-BUTYLBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
CARBON TETRACHLORIDE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
CHLOROBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
CHLORODIBROMOMETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
CHLOROETHANE	Not detected	mg/kg	0.660	SW846-8260B	2/13/04 01:38	KC
CHLOROFORM	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
CHLOROMETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
2-CHLOROTOLUENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
4-CHLOROTOLUENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,2-DIBROMOETHANE (EDB)	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
DICHLOROBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
DICHLORODIFLUOROMETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,1-DICHLOROETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,2-DICHLOROETHANE (1,2-DCA)	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,1-DICHLOROETHENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
CIS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
TRANS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,2-DICHLOROPROPANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,3-DICHLOROPROPANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
2,2-DICHLOROPROPANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,1-DICHLOROPROPENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
CIS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
ETHYLBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
2-HEXANONE	Not detected	mg/kg	3.30	SW846-8260B	2/13/04 01:38	KC
ISOPROPYLBENZENE	0.70	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
ISOPROPYL ETHER (IPE)	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
4-ISOPROPYLTOLUENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
METHYLENE CHLORIDE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-1**
Prism Sample ID: **AD07478** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:48
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-METHYL-2-PENTANONE (MIBK)	Not detected	mg/kg	3.30	SW846-8260B	2/13/04 01:38	KC
METHYL-TERT-BUTYL-ETHER (MTBE)	Not detected	mg/kg	0.660	SW846-8260B	2/13/04 01:38	KC
NAPHTHALENE	Not detected	mg/kg	0.660	SW846-8260B	2/13/04 01:38	KC
N-PROPYLBENZENE	1.0	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
STYRENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
TETRACHLOROETHENE (PCE)	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
TOLUENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,1,1-TRICHLOROETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,1,2-TRICHLOROETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
CHLOROETHENE (TCE)	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
TRICHLOROFLUOROMETHANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,2,3-TRICHLOROBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,2,3-TRICHLOROPROPANE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,2,4-TRIMETHYLBENZENE	0.65	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
1,3,5-TRIMETHYLBENZENE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
VINYL ACETATE	Not detected	mg/kg	1.65	SW846-8260B	2/13/04 01:38	KC
VINYL CHLORIDE	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
XYLENES, TOTAL	Not detected	mg/kg	0.330	SW846-8260B	2/13/04 01:38	KC
SURR:DIBROMOFLUOROMETHANE	103	%	67-143	SW846-8260B	2/13/04 01:38	KC
SURR:TOLUENE-D8	81	%	81-128	SW846-8260B	2/13/04 01:38	KC
SURR:BROMOFLUOROBENZENE	100	%	77-128	SW846-8260B	2/13/04 01:38	KC
DILUTION FACTOR	50	mg/kg		SW846-8260B	2/13/04 01:38	KC

ACENAPHTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
ACENAPHTHYLENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
ANTHRACENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
BENZOIC ACID	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 02:19	WAD
BENZO(A)ANTHRACENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
BENZO(B)FLUORANTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
BENZO(K)FLUORANTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-1**
Prism Sample ID: **AD07478** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:48
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZO(G,H,I)PERYLENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
BENZO(A)PYRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
BENZYL ALCOHOL	Not detected	mg/kg	0.820	SW846-8270C	2/13/04 02:19	WAD
BIS(2-CHLOROETHOXY)METHANE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
BIS(2-CHLOROETHYL)ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
4-BROMOPHENYL PHENYL ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
BUTYL BENZYL PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
4-CHLOROANILINE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
[redacted]HLORO-3-METHYLPHENOL	Not detected	mg/kg	0.820	SW846-8270C	2/13/04 02:19	WAD
2-CHLORONAPHTHALENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
2-CHLOROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
4-CHLOROPHENYL PHENYL ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
CHRYSENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
DIBENZO(A,H)ANTHRACENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
DIBENZOFURAN	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
DI-N-BUTYLPHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
1,2-DICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
3,3-DICHLOROBENZIDINE	Not detected	mg/kg	0.820	SW846-8270C	2/13/04 02:19	WAD
2,4-DICHLOROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
DIETHYL PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
2,4-DIMETHYLPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
DIMETHYL PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
4,6-DINITRO-2-METHYLPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 02:19	WAD
2,4-DINITROPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 02:19	WAD
2,4-DINITROTOLUENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
2,6-DINITROTOLUENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
[redacted]N-OCTYLPHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
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Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-1**
Prism Sample ID: **AD07478** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:48
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIPHENYLHYDRAZINE (as AZOBENZ	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 02:19	WAD
FLUORANTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
FLUORENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
HEXACHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
HEXACHLOROBUTADIENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
HEXACHLOROCYCLOPENTADIENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
HEXACHLOROETHANE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
INDENO(1,2,3-CD)PYRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
ISOPHORONE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
2-METHYL NAPHTHALENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
ETHYL-PHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
4-METHYL-PHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
NAPHTHALENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
NITROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
2-NITROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
4-NITROPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 02:19	WAD
N-NITROSODIPHENYLAMINE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
N-NITROSODI-N-PROPYLAMINE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
PENTACHLOROPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 02:19	WAD
PHENANTHRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
PHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
PYRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
2,4,6-TRICHLOROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 02:19	WAD
SURR: 2-FLUOROPHENOL	50	%	14-89	SW846-8270C	2/13/04 02:19	WAD
SURR: PHENOL-d5	51	%	13-95	SW846-8270C	2/13/04 02:19	WAD
SURR: NITROBENZENE-d5	50	%	14-103	SW846-8270C	2/13/04 02:19	WAD
SURR: 2-FLUOROBIPHENYL	58	%	21-108	SW846-8270C	2/13/04 02:19	WAD
SURR: 2,4,6-TRIBROMOPHENOL	77	%	25-123	SW846-8270C	2/13/04 02:19	WAD
SURR: TERPHENYL-d14	85	%	41-136	SW846-8270C	2/13/04 02:19	WAD
LUTION FACTOR	1	mg/kg		SW846-8270C	2/13/04 02:19	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
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Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
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Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST

Sample Comments:

5035 vials for Method 8260 were preserved upon receipt at the lab.

Angela D. Overcash, V.P. Laboratory Services

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-2**
Prism Sample ID: **AD07479** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:50
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
C5-C8 Aliphatics	Not detected	mg/kg	7	MADEP VPH	2/12/04 03:57	EHT
C9-C12 Aliphatics	Not detected	mg/kg	6	MADEP VPH	2/12/04 03:57	EHT
C9-C10 Aromatics	Not detected	mg/kg	2	MADEP VPH	2/12/04 03:57	EHT
Surrogate % Recovery - PID	125	%	(70-130)	MADEP VPH	2/12/04 03:57	EHT
Surrogate % Recovery - FID	125	%	(70-130)	MADEP VPH	2/12/04 03:57	EHT
Dilution Factor	1	mg/kg		MADEP VPH	2/12/04 03:57	EHT
Dry Weight Received	13.46 g	mg/kg		MADEP VPH	2/12/04 03:57	EHT

EXTRACTION FOR EPH	10.61g-2mL			MADEP-EPH	2/10/04 07:30	JDP
C9-C18 ALIPHATICS	Not detected	mg/kg	40	MADEP-EPH	2/11/04 04:14	GRR
C19-C36 ALIPHATICS	Not detected	mg/kg	20	MADEP-EPH	2/11/04 04:14	GRR
C11-C22 AROMATICS	Not detected	mg/kg	20	MADEP-EPH	2/11/04 04:14	GRR
SURROGATE RECOVERY - ALIPHATIC	65	%	(40-140)	MADEP-EPH	2/11/04 04:14	GRR
SURROGATE RECOVERY - AROMATIC	76	%	(40-140)	MADEP-EPH	2/11/04 04:14	GRR
SURR:2-FLUOROBIPHENYL	104	%	(40-140)	MADEP-EPH	2/11/04 04:14	GRR
SURR:2-BROMONAPHTHALENE	96	%	(40-140)	MADEP-EPH	2/11/04 04:14	GRR
DILUTION FACTOR	1	mg/kg		MADEP-EPH	2/11/04 04:14	GRR
DRY WEIGHT	8.0	mg/kg		MADEP-EPH	2/11/04 04:14	GRR

CALCULATIONS BASED ON DRY WT.	80.1	% DRY WT.	0.01	SM 2540 G	2/10/04 10:25	CWC
PREP. METHOD 3550	29.68g-1mL			SW846-3550B	2/11/04 07:30	JDP
ACETONE	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 20:32	KC
BENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
BROMOBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
BROMOCHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
BROMODICHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
BROMOFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
BROMOMETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 20:32	KC
2-BUTANONE (MEK)	Not detected	mg/kg	0.100	SW846-8260B	2/12/04 20:32	KC
N-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
SEC-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-2**
Prism Sample ID: **AD07479** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:50
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TERT-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
CARBON TETRACHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
CHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
CHLORODIBROMOMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
CHLOROETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 20:32	KC
CHLOROFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
CHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
2-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
4-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,2-DIBROMOETHANE (EDB)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
DICHLORODIFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,1-DICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,2-DICHLOROETHANE (1,2-DCA)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,1-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
CIS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
TRANS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,3-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
2,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,1-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
CIS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
ETHYLBENZENE	0.0034 J	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
2-HEXANONE	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 20:32	KC
ISOPROPYLBENZENE	0.0064	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
ISOPROPYL ETHER (IPE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
4-ISOPROPYLTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
METHYLENE CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-2**
Prism Sample ID: **AD07479** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:50
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-METHYL-2-PENTANONE (MIBK)	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 20:32	KC
METHYL-TERT-BUTYL-ETHER (MTBE)	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 20:32	KC
NAPHTHALENE	0.021	mg/kg	0.010	SW846-8260B	2/12/04 20:32	KC
N-PROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
STYRENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
TETRACHLOROETHENE (PCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
TOLUENE	0.0039 J	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,1,1-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,1,2-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
CHLOROETHENE (TCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
TRICHLOROFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,2,3-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,2,4-TRICHLOROBENZENE	0.018	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,2,3-TRICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,2,4-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
1,3,5-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
VINYL ACETATE	Not detected	mg/kg	0.025	SW846-8260B	2/12/04 20:32	KC
VINYL CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
XYLENES, TOTAL	0.016	mg/kg	0.005	SW846-8260B	2/12/04 20:32	KC
SURR:DIBROMOFLUOROMETHANE	116	%	67-143	SW846-8260B	2/12/04 20:32	KC
SURR:TOLUENE-D8	95	%	81-128	SW846-8260B	2/12/04 20:32	KC
SURR:BROMOFLUOROBENZENE	110	%	77-128	SW846-8260B	2/12/04 20:32	KC
DILUTION FACTOR	1	mg/kg		SW846-8260B	2/12/04 20:32	KC

ACENAPHTHENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
ACENAPHTHYLENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
ANTHRACENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
BENZOIC ACID	Not detected	mg/kg	2.100	SW846-8270C	2/13/04 03:06	WAD
BENZO(A)ANTHRACENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
BENZO(B)FLUORANTHENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
BENZO(K)FLUORANTHENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-2**
Prism Sample ID: **AD07479** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:50
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZO(G,H,I)PERYLENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
BENZO(A)PYRENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
BENZYL ALCOHOL	Not detected	mg/kg	0.840	SW846-8270C	2/13/04 03:06	WAD
BIS(2-CHLOROETHOXY)METHANE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
BIS(2-CHLOROETHYL)ETHER	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
4-BROMOPHENYL PHENYL ETHER	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
BUTYL BENZYL PHTHALATE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
4-CHLOROANILINE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
[redacted]HLORO-3-METHYLPHENOL	Not detected	mg/kg	0.840	SW846-8270C	2/13/04 03:06	WAD
2-CHLORONAPHTHALENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
2-CHLOROPHENOL	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
4-CHLOROPHENYL PHENYL ETHER	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
CHRYSENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
DIBENZO(A,H)ANTHRACENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
DIBENZOFURAN	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
DI-N-BUTYLPHTHALATE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
1,2-DICHLOROBENZENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
3,3-DICHLOROBENZIDINE	Not detected	mg/kg	0.840	SW846-8270C	2/13/04 03:06	WAD
2,4-DICHLOROPHENOL	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
DIETHYL PHTHALATE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
2,4-DIMETHYLPHENOL	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
DIMETHYL PHTHALATE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
4,6-DINITRO-2-METHYLPHENOL	Not detected	mg/kg	2.100	SW846-8270C	2/13/04 03:06	WAD
2,4-DINITROPHENOL	Not detected	mg/kg	2.100	SW846-8270C	2/13/04 03:06	WAD
2,4-DINITROTOLUENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
2,6-DINITROTOLUENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
[redacted]N-OCTYLPHTHALATE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-2**
Prism Sample ID: **AD07479** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:50
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIPHENYLHYDRAZINE (as AZOBENZ	Not detected	mg/kg	2.100	SW846-8270C	2/13/04 03:06	WAD
FLUORANTHENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
FLUORENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
HEXACHLOROBENZENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
HEXACHLOROBUTADIENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
HEXACHLOROCYCLOPENTADIENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
HEXACHLOROETHANE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
INDENO(1,2,3-CD)PYRENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
ISOPHORONE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
2-METHYL NAPHTHALENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
ETHYL-PHENOL	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
4-METHYL-PHENOL	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
NAPHTHALENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
NITROBENZENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
2-NITROPHENOL	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
4-NITROPHENOL	Not detected	mg/kg	2.100	SW846-8270C	2/13/04 03:06	WAD
N-NITROSODIPHENYLAMINE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
N-NITROSODI-N-PROPYLAMINE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
PENTACHLOROPHENOL	Not detected	mg/kg	2.100	SW846-8270C	2/13/04 03:06	WAD
PHENANTHRENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
PHENOL	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
PYRENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
2,4,6-TRICHLOROPHENOL	Not detected	mg/kg	0.420	SW846-8270C	2/13/04 03:06	WAD
SURR: 2-FLUOROPHENOL	48	%	14-89	SW846-8270C	2/13/04 03:06	WAD
SURR: PHENOL-d5	46	%	13-95	SW846-8270C	2/13/04 03:06	WAD
SURR: NITROBENZENE-d5	50	%	14-103	SW846-8270C	2/13/04 03:06	WAD
SURR: 2-FLUOROBIPHENYL	55	%	21-108	SW846-8270C	2/13/04 03:06	WAD
SURR: 2,4,6-TRIBROMOPHENOL	70	%	25-123	SW846-8270C	2/13/04 03:06	WAD
SURR: TERPHENYL-d14	82	%	41-136	SW846-8270C	2/13/04 03:06	WAD
LUTION FACTOR	1	mg/kg		SW846-8270C	2/13/04 03:06	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-2**
Prism Sample ID: **AD07479** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 11:50
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST

Sample Comments:

Analysis note for 8260: J - Estimated concentration between the method detection limit and the reporting limit.
5035 vials for Method 8260 were preserved upon receipt at the lab.

Angela D. Overcash, V.P. Laboratory Services

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-3**
Prism Sample ID: **AD07480** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:00
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
C5-C8 Aliphatics	Not detected	mg/kg	7	MADEP VPH	2/11/04 21:39	EHT
C9-C12 Aliphatics	Not detected	mg/kg	6	MADEP VPH	2/11/04 21:39	EHT
C9-C10 Aromatics	Not detected	mg/kg	2	MADEP VPH	2/11/04 21:39	EHT
Surrogate % Recovery - PID	100	%	(70-130)	MADEP VPH	2/11/04 21:39	EHT
Surrogate % Recovery - FID	117	%	(70-130)	MADEP VPH	2/11/04 21:39	EHT
Dilution Factor	1	mg/kg		MADEP VPH	2/11/04 21:39	EHT
Dry Weight Received	13.10 g	mg/kg		MADEP VPH	2/11/04 21:39	EHT

EXTRACTION FOR EPH	9.89g-2mL			MADEP-EPH	2/10/04 07:30	JDP
C9-C18 ALIPHATICS	Not detected	mg/kg	40	MADEP-EPH	2/11/04 05:06	GRR
[illegible]-C36 ALIPHATICS	Not detected	mg/kg	20	MADEP-EPH	2/11/04 05:06	GRR
C11-C22 AROMATICS	Not detected	mg/kg	20	MADEP-EPH	2/11/04 05:06	GRR
SURROGATE RECOVERY - ALIPHATIC	66	%	(40-140)	MADEP-EPH	2/11/04 05:06	GRR
SURROGATE RECOVERY - AROMATIC	77	%	(40-140)	MADEP-EPH	2/11/04 05:06	GRR
SURR:2-FLUOROBIPHENYL	101	%	(40-140)	MADEP-EPH	2/11/04 05:06	GRR
SURR:2-BROMONAPHTHALENE	94	%	(40-140)	MADEP-EPH	2/11/04 05:06	GRR
DILUTION FACTOR	1	mg/kg		MADEP-EPH	2/11/04 05:06	GRR
DRY WEIGHT	7.2	mg/kg		MADEP-EPH	2/11/04 05:06	GRR

CALCULATIONS BASED ON DRY WT.	72.4	% DRY WT.	0.01	SM 2540 G	2/10/04 10:25	CWC
PREP. METHOD 3550	30.43g-1mL			SW846-3550B	2/11/04 07:30	JDP
ACETONE	0.066	mg/kg	0.050	SW846-8260B	2/12/04 21:16	KC
BENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
BROMOBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
BROMOCHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
BROMODICHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
BROMOFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
BROMOMETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 21:16	KC
2-BUTANONE (MEK)	Not detected	mg/kg	0.100	SW846-8260B	2/12/04 21:16	KC
N-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
[illegible]C-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-3**
Prism Sample ID: **AD07480** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:00
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TERT-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
CARBON TETRACHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
CHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
CHLORODIBROMOMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
CHLOROETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 21:16	KC
CHLOROFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
CHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
2-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
4-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,2-DIBROMOETHANE (EDB)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
DICHLORODIFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,1-DICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,2-DICHLOROETHANE (1,2-DCA)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,1-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
CIS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
TRANS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,3-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
2,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,1-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
CIS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
ETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
2-HEXANONE	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 21:16	KC
ISOPROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
ISOPROPYL ETHER (IPE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
4-ISOPROPYLTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
METHYLENE CHLORIDE	0.0063	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-3**
Prism Sample ID: **AD07480** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:00
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-METHYL-2-PENTANONE (MIBK)	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 21:16	KC
METHYL-TERT-BUTYL-ETHER (MTBE)	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 21:16	KC
NAPHTHALENE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 21:16	KC
N-PROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
STYRENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
TETRACHLOROETHENE (PCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
TOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,1,1-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,1,2-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
ICHLOROETHENE (TCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
TRICHLOROFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,2,3-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,2,3-TRICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,2,4-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
1,3,5-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
VINYL ACETATE	Not detected	mg/kg	0.025	SW846-8260B	2/12/04 21:16	KC
VINYL CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
XYLENES, TOTAL	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:16	KC
SURR:DIBROMOFLUOROMETHANE	113	%	67-143	SW846-8260B	2/12/04 21:16	KC
SURR:TOLUENE-D8	100	%	81-128	SW846-8260B	2/12/04 21:16	KC
SURR:BROMOFLUOROBENZENE	110	%	77-128	SW846-8260B	2/12/04 21:16	KC
DILUTION FACTOR	1	mg/kg		SW846-8260B	2/12/04 21:16	KC

ACENAPHTHENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
ACENAPHTHYLENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
ANTHRACENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
BENZOIC ACID	Not detected	mg/kg	2.250	SW846-8270C	2/12/04 22:52	WAD
BENZO(A)ANTHRACENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
BENZO(B)FLUORANTHENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
ENZO(K)FLUORANTHENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-3**
Prism Sample ID: **AD07480** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:00
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZO(G,H,I)PERYLENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
BENZO(A)PYRENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
BENZYL ALCOHOL	Not detected	mg/kg	0.900	SW846-8270C	2/12/04 22:52	WAD
BIS(2-CHLOROETHOXY)METHANE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
BIS(2-CHLOROETHYL)ETHER	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
4-BROMOPHENYL PHENYL ETHER	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
BUTYL BENZYL PHTHALATE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
4-CHLOROANILINE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
HLORO-3-METHYLPHENOL	Not detected	mg/kg	0.900	SW846-8270C	2/12/04 22:52	WAD
2-CHLORONAPHTHALENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
2-CHLOROPHENOL	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
4-CHLOROPHENYL PHENYL ETHER	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
CHRYSENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
DIBENZO(A,H)ANTHRACENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
DIBENZOFURAN	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
DI-N-BUTYLPHTHALATE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
1,2-DICHLOROBENZENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
3,3-DICHLOROBENZIDINE	Not detected	mg/kg	0.900	SW846-8270C	2/12/04 22:52	WAD
2,4-DICHLOROPHENOL	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
DIETHYL PHTHALATE	0.29 J	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
2,4-DIMETHYLPHENOL	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
DIMETHYL PHTHALATE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
4,6-DINITRO-2-METHYLPHENOL	Not detected	mg/kg	2.250	SW846-8270C	2/12/04 22:52	WAD
2,4-DINITROPHENOL	Not detected	mg/kg	2.250	SW846-8270C	2/12/04 22:52	WAD
2,4-DINITROTOLUENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
2,6-DINITROTOLUENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
N-OCTYLPHTHALATE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-3**
Prism Sample ID: **AD07480** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:00
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIPHENYLHYDRAZINE (as AZOBENZ	Not detected	mg/kg	2.250	SW846-8270C	2/12/04 22:52	WAD
FLUORANTHENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
FLUORENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
HEXACHLOROBENZENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
HEXACHLOROBUTADIENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
HEXACHLOROCYCLOPENTADIENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
HEXACHLOROETHANE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
INDENO(1,2,3-CD)PYRENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
ISOPHORONE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
2-METHYL NAPHTHALENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
ETHYL-PHENOL	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
4-METHYL-PHENOL	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
NAPHTHALENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
NITROBENZENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
2-NITROPHENOL	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
4-NITROPHENOL	Not detected	mg/kg	2.250	SW846-8270C	2/12/04 22:52	WAD
N-NITROSODIPHENYLAMINE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
N-NITROSODI-N-PROPYLAMINE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
PENTACHLOROPHENOL	Not detected	mg/kg	2.250	SW846-8270C	2/12/04 22:52	WAD
PHENANTHRENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
PHENOL	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
PYRENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
2,4,6-TRICHLOROPHENOL	Not detected	mg/kg	0.450	SW846-8270C	2/12/04 22:52	WAD
SURR: 2-FLUOROPHENOL	67	%	14-89	SW846-8270C	2/12/04 22:52	WAD
SURR: PHENOL-d5	70	%	13-95	SW846-8270C	2/12/04 22:52	WAD
SURR: NITROBENZENE-d5	72	%	14-103	SW846-8270C	2/12/04 22:52	WAD
SURR: 2-FLUOROBIPHENYL	76	%	21-108	SW846-8270C	2/12/04 22:52	WAD
SURR: 2,4,6-TRIBROMOPHENOL	74	%	25-123	SW846-8270C	2/12/04 22:52	WAD
SURR: TERPHENYL-d14	66	%	41-136	SW846-8270C	2/12/04 22:52	WAD
LUTION FACTOR	1	mg/kg		SW846-8270C	2/12/04 22:52	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-3**
Prism Sample ID: **AD07480** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:00
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST

Sample Comments:

Analysis note for SW846-8270: J-Estimated concentration between the method detection limit and the reporting limit.

Acetone was detected in this sample. Acetone method blank concentration: <0.010 ppm. Laboratory contamination is not suspected.

Methylene Chloride was detected in this sample. Methylene Chloride method blank concentration: <0.002 ppm. Laboratory contamination is not suspected.

5035 vials for Method 8260 were preserved upon receipt at the lab.

Angela D. Overcash, V.P. Laboratory Services

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-4**
Prism Sample ID: **AD07481** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:05
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
C5-C8 Aliphatics	Not detected	mg/kg	7	MADEP VPH	2/11/04 22:33	EHT
C9-C12 Aliphatics	Not detected	mg/kg	6	MADEP VPH	2/11/04 22:33	EHT
C9-C10 Aromatics	Not detected	mg/kg	2	MADEP VPH	2/11/04 22:33	EHT
Surrogate % Recovery - PID	104	%	(70-130)	MADEP VPH	2/11/04 22:33	EHT
Surrogate % Recovery - FID	117	%	(70-130)	MADEP VPH	2/11/04 22:33	EHT
Dilution Factor	1	mg/kg		MADEP VPH	2/11/04 22:33	EHT
Dry Weight Received	15.78 g	mg/kg		MADEP VPH	2/11/04 22:33	EHT

EXTRACTION FOR EPH	10.28g-2mL			MADEP-EPH	2/10/04 07:30	JDP
C9-C18 ALIPHATICS	Not detected	mg/kg	40	MADEP-EPH	2/11/04 22:09	GRR
[illegible]-C36 ALIPHATICS	Not detected	mg/kg	20	MADEP-EPH	2/11/04 22:09	GRR
C11-C22 AROMATICS	Not detected	mg/kg	20	MADEP-EPH	2/11/04 22:09	GRR
SURROGATE RECOVERY - ALIPHATIC	64	%	(40-140)	MADEP-EPH	2/11/04 22:09	GRR
SURROGATE RECOVERY - AROMATIC	67	%	(40-140)	MADEP-EPH	2/11/04 22:09	GRR
SURR:2-FLUOROBIPHENYL	79	%	(40-140)	MADEP-EPH	2/11/04 22:09	GRR
SURR:2-BROMONAPHTHALENE	71	%	(40-140)	MADEP-EPH	2/11/04 22:09	GRR
DILUTION FACTOR	1	mg/kg		MADEP-EPH	2/11/04 22:09	GRR
DRY WEIGHT	8.3	mg/kg		MADEP-EPH	2/11/04 22:09	GRR

CALCULATIONS BASED ON DRY WT.	82.8	% DRY WT.	0.01	SM 2540 G	2/10/04 10:25	CWC
PREP. METHOD 3550	29.66g-1mL			SW846-3550B	2/11/04 07:30	JDP
ACETONE	0.12	mg/kg	0.050	SW846-8260B	2/12/04 21:59	KC
BENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
BROMOBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
BROMOCHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
BROMODICHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
BROMOFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
BROMOMETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 21:59	KC
2-BUTANONE (MEK)	Not detected	mg/kg	0.100	SW846-8260B	2/12/04 21:59	KC
N-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
[illegible]C-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-4**
Prism Sample ID: **AD07481** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:05
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TERT-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
CARBON TETRACHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
CHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
CHLORODIBROMOMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
CHLOROETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 21:59	KC
CHLOROFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
CHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
2-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
4-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,2-DIBROMOETHANE (EDB)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
DICHLORODIFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,1-DICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,2-DICHLOROETHANE (1,2-DCA)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,1-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
CIS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
TRANS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,3-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
2,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,1-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
CIS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
ETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
2-HEXANONE	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 21:59	KC
ISOPROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
ISOPROPYL ETHER (IPE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
4-ISOPROPYLTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
METHYLENE CHLORIDE	0.0045 J	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-4**
Prism Sample ID: **AD07481** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:05
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-METHYL-2-PENTANONE (MIBK)	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 21:59	KC
METHYL-TERT-BUTYL-ETHER (MTBE)	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 21:59	KC
NAPHTHALENE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 21:59	KC
N-PROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
STYRENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
TETRACHLOROETHENE (PCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
TOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,1,1-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,1,2-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
CHLOROETHENE (TCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
TRICHLOROFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,2,3-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,2,3-TRICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,2,4-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
1,3,5-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
VINYL ACETATE	Not detected	mg/kg	0.025	SW846-8260B	2/12/04 21:59	KC
VINYL CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
XYLENES, TOTAL	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 21:59	KC
SURR:DIBROMOFLUOROMETHANE	115	%	67-143	SW846-8260B	2/12/04 21:59	KC
SURR:TOLUENE-D8	94	%	81-128	SW846-8260B	2/12/04 21:59	KC
SURR:BROMOFLUOROBENZENE	110	%	77-128	SW846-8260B	2/12/04 21:59	KC
DILUTION FACTOR	1	mg/kg		SW846-8260B	2/12/04 21:59	KC

ACENAPHTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
ACENAPHTHYLENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
ANTHRACENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
BENZOIC ACID	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 03:53	WAD
BENZO(A)ANTHRACENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
BENZO(B)FLUORANTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
BENZO(K)FLUORANTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-4**
Prism Sample ID: **AD07481** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:05
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZO(G,H,I)PERYLENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
BENZO(A)PYRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
BENZYL ALCOHOL	Not detected	mg/kg	0.820	SW846-8270C	2/13/04 03:53	WAD
BIS(2-CHLOROETHOXY)METHANE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
BIS(2-CHLOROETHYL)ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
4-BROMOPHENYL PHENYL ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
BUTYL BENZYL PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
4-CHLOROANILINE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
[redacted]HLORO-3-METHYLPHENOL	Not detected	mg/kg	0.820	SW846-8270C	2/13/04 03:53	WAD
2-CHLORONAPHTHALENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
2-CHLOROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
4-CHLOROPHENYL PHENYL ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
CHRYSENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
DIBENZO(A,H)ANTHRACENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
DIBENZOFURAN	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
DI-N-BUTYLPHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
1,2-DICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
3,3-DICHLOROBENZIDINE	Not detected	mg/kg	0.820	SW846-8270C	2/13/04 03:53	WAD
2,4-DICHLOROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
DIETHYL PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
2,4-DIMETHYLPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
DIMETHYL PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
4,6-DINITRO-2-METHYLPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 03:53	WAD
2,4-DINITROPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 03:53	WAD
2,4-DINITROTOLUENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
2,6-DINITROTOLUENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
[redacted]N-OCTYLPHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-4**
Prism Sample ID: **AD07481** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:05
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIPHENYLHYDRAZINE (as AZOBENZ	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 03:53	WAD
FLUORANTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
FLUORENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
HEXACHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
HEXACHLOROBUTADIENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
HEXACHLOROCYCLOPENTADIENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
HEXACHLOROETHANE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
INDENO(1,2,3-CD)PYRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
ISOPHORONE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
2-METHYL NAPHTHALENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
METHYL-PHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
4-METHYL-PHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
NAPHTHALENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
NITROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
2-NITROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
4-NITROPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 03:53	WAD
N-NITROSODIPHENYLAMINE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
N-NITROSODI-N-PROPYLAMINE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
PENTACHLOROPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 03:53	WAD
PHENANTHRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
PHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
PYRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
2,4,6-TRICHLOROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 03:53	WAD
SURR: 2-FLUOROPHENOL	64	%	14-89	SW846-8270C	2/13/04 03:53	WAD
SURR: PHENOL-d5	66	%	13-95	SW846-8270C	2/13/04 03:53	WAD
SURR: NITROBENZENE-d5	63	%	14-103	SW846-8270C	2/13/04 03:53	WAD
SURR: 2-FLUOROBIPHENYL	68	%	21-108	SW846-8270C	2/13/04 03:53	WAD
SURR: 2,4,6-TRIBROMOPHENOL	76	%	25-123	SW846-8270C	2/13/04 03:53	WAD
SURR: TERPHENYL-d14	84	%	41-136	SW846-8270C	2/13/04 03:53	WAD
LUTION FACTOR	1	mg/kg		SW846-8270C	2/13/04 03:53	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **BOTTOM-4**
Prism Sample ID: **AD07481** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:05
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST

Sample Comments:

Analysis note for 8260: J - Estimated concentration between the method detection limit and the reporting limit.

Acetone was detected in this sample. Acetone method blank concentration: <0.010 ppm. Laboratory contamination is not suspected.

Methylene Chloride was detected in this sample. Methylene Chloride method blank concentration: <0.002 ppm. Laboratory contamination is not suspected.

5035 vials for Method 8260 were preserved upon receipt at the lab.

Angela D. Overcash, V.P. Laboratory Services

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

[redacted]2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-1**
Prism Sample ID: **AD07482** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 14:30
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
C5-C8 Aliphatics	Not detected	mg/kg	7	MADEP VPH	2/11/04 23:27	EHT
C9-C12 Aliphatics	Not detected	mg/kg	6	MADEP VPH	2/11/04 23:27	EHT
C9-C10 Aromatics	Not detected	mg/kg	2	MADEP VPH	2/11/04 23:27	EHT
Surrogate % Recovery - PID	125	%	(70-130)	MADEP VPH	2/11/04 23:27	EHT
Surrogate % Recovery - FID	118	%	(70-130)	MADEP VPH	2/11/04 23:27	EHT
Dilution Factor	1	mg/kg		MADEP VPH	2/11/04 23:27	EHT
Dry Weight Received	12.14 g	mg/kg		MADEP VPH	2/11/04 23:27	EHT

EXTRACTION FOR EPH	9.67g-2mL			MADEP-EPH	2/10/04 07:30	JDP
C9-C18 ALIPHATICS	Not detected	mg/kg	40	MADEP-EPH	2/12/04 01:35	GRR
[redacted]C36 ALIPHATICS	Not detected	mg/kg	20	MADEP-EPH	2/12/04 01:35	GRR
C11-C22 AROMATICS	Not detected	mg/kg	20	MADEP-EPH	2/12/04 01:35	GRR
SURROGATE RECOVERY - ALIPHATIC	54	%	(40-140)	MADEP-EPH	2/12/04 01:35	GRR
SURROGATE RECOVERY - AROMATIC	73	%	(40-140)	MADEP-EPH	2/12/04 01:35	GRR
SURR:2-FLUOROBIPHENYL	81	%	(40-140)	MADEP-EPH	2/12/04 01:35	GRR
SURR:2-BROMONAPHTHALENE	54	%	(40-140)	MADEP-EPH	2/12/04 01:35	GRR
DILUTION FACTOR	1	mg/kg		MADEP-EPH	2/12/04 01:35	GRR
DRY WEIGHT	8.2	mg/kg		MADEP-EPH	2/12/04 01:35	GRR

CALCULATIONS BASED ON DRY WT.	82.3	% DRY WT.	0.01	SM 2540 G	2/10/04 10:25	CWC
PREP. METHOD 3550	29.84g-1mL			SW846-3550B	2/11/04 07:30	JDP
ACETONE	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 22:43	KC
BENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
BROMOBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
BROMOCHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
BROMODICHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
BROMOFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
BROMOMETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 22:43	KC
2-BUTANONE (MEK)	Not detected	mg/kg	0.100	SW846-8260B	2/12/04 22:43	KC
N-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
[redacted]C-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-1**
Prism Sample ID: **AD07482** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 14:30
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TERT-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
CARBON TETRACHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
CHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
CHLORODIBROMOMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
CHLOROETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 22:43	KC
CHLOROFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
CHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
2-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
4-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,2-DIBROMOETHANE (EDB)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
DICHLORODIFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,1-DICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,2-DICHLOROETHANE (1,2-DCA)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,1-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
CIS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
TRANS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,3-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
2,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,1-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
CIS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
ETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
2-HEXANONE	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 22:43	KC
ISOPROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
ISOPROPYL ETHER (IPE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
4-ISOPROPYLTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
METHYLENE CHLORIDE	0.0065	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-1**
Prism Sample ID: **AD07482** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 14:30
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-METHYL-2-PENTANONE (MIBK)	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 22:43	KC
METHYL-TERT-BUTYL-ETHER (MTBE)	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 22:43	KC
NAPHTHALENE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 22:43	KC
N-PROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
STYRENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
TETRACHLOROETHENE (PCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
TOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,1,1-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,1,2-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
CHLOROETHENE (TCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
TRICHLOROFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,2,3-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,2,3-TRICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,2,4-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
1,3,5-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
VINYL ACETATE	Not detected	mg/kg	0.025	SW846-8260B	2/12/04 22:43	KC
VINYL CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
XYLENES, TOTAL	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 22:43	KC
SURR:DIBROMOFLUOROMETHANE	107	%	67-143	SW846-8260B	2/12/04 22:43	KC
SURR:TOLUENE-D8	103	%	81-128	SW846-8260B	2/12/04 22:43	KC
SURR:BROMOFLUOROBENZENE	121	%	77-128	SW846-8260B	2/12/04 22:43	KC
DILUTION FACTOR	1	mg/kg		SW846-8260B	2/12/04 22:43	KC

ACENAPHTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
ACENAPHTHYLENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
ANTHRACENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
BENZOIC ACID	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 04:39	WAD
BENZO(A)ANTHRACENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
BENZO(B)FLUORANTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
BENZO(K)FLUORANTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-1**
Prism Sample ID: **AD07482** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 14:30
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZO(G,H,I)PERYLENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
BENZO(A)PYRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
BENZYL ALCOHOL	Not detected	mg/kg	0.820	SW846-8270C	2/13/04 04:39	WAD
BIS(2-CHLOROETHOXY)METHANE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
BIS(2-CHLOROETHYL)ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
4-BROMOPHENYL PHENYL ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
BUTYL BENZYL PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
4-CHLOROANILINE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
[redacted]HLORO-3-METHYLPHENOL	Not detected	mg/kg	0.820	SW846-8270C	2/13/04 04:39	WAD
2-CHLORONAPHTHALENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
2-CHLOROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
4-CHLOROPHENYL PHENYL ETHER	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
CHRYSENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
DIBENZO(A,H)ANTHRACENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
DIBENZOFURAN	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
DI-N-BUTYLPHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
1,2-DICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
3,3-DICHLOROBENZIDINE	Not detected	mg/kg	0.820	SW846-8270C	2/13/04 04:39	WAD
2,4-DICHLOROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
DIETHYL PHTHALATE	0.46	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
2,4-DIMETHYLPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
DIMETHYL PHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
4,6-DINITRO-2-METHYLPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 04:39	WAD
2,4-DINITROPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 04:39	WAD
2,4-DINITROTOLUENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
2,6-DINITROTOLUENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
[redacted]N-OCTYLPHTHALATE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-1**
Prism Sample ID: **AD07482** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 14:30
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIPHENYLHYDRAZINE (as AZOBENZ	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 04:39	WAD
FLUORANTHENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
FLUORENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
HEXACHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
HEXACHLOROBUTADIENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
HEXACHLOROCYCLOPENTADIENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
HEXACHLOROETHANE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
INDENO(1,2,3-CD)PYRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
ISOPHORONE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
2-METHYL NAPHTHALENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
ETHYL-PHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
4-METHYL-PHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
NAPHTHALENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
NITROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
2-NITROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
4-NITROPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 04:39	WAD
N-NITROSODIPHENYLAMINE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
N-NITROSODI-N-PROPYLAMINE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
PENTACHLOROPHENOL	Not detected	mg/kg	2.050	SW846-8270C	2/13/04 04:39	WAD
PHENANTHRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
PHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
PYRENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
2,4,6-TRICHLOROPHENOL	Not detected	mg/kg	0.410	SW846-8270C	2/13/04 04:39	WAD
SURR: 2-FLUOROPHENOL	75	%	14-89	SW846-8270C	2/13/04 04:39	WAD
SURR: PHENOL-d5	74	%	13-95	SW846-8270C	2/13/04 04:39	WAD
SURR: NITROBENZENE-d5	73	%	14-103	SW846-8270C	2/13/04 04:39	WAD
SURR: 2-FLUOROBIPHENYL	81	%	21-108	SW846-8270C	2/13/04 04:39	WAD
SURR: 2,4,6-TRIBROMOPHENOL	93	%	25-123	SW846-8270C	2/13/04 04:39	WAD
SURR: TERPHENYL-d14	111	%	41-136	SW846-8270C	2/13/04 04:39	WAD
DILUTION FACTOR	1	mg/kg		SW846-8270C	2/13/04 04:39	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-1**
Prism Sample ID: **AD07482** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 14:30
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST

Sample Comments:

Methylene Chloride was detected in this sample. Methylene Chloride method blank concentration: <0.002 ppm. Laboratory contamination is not suspected.

5035 vials for Method 8260 were preserved upon receipt at the lab.

Angela D. Overcash, V.P. Laboratory Services

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-2**
Prism Sample ID: **AD07483** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:10
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
C5-C8 Aliphatics	Not detected	mg/kg	7	MADEP VPH	2/12/04 00:21	EHT
C9-C12 Aliphatics	Not detected	mg/kg	6	MADEP VPH	2/12/04 00:21	EHT
C9-C10 Aromatics	Not detected	mg/kg	2	MADEP VPH	2/12/04 00:21	EHT
Surrogate % Recovery - PID	116	%	(70-130)	MADEP VPH	2/12/04 00:21	EHT
Surrogate % Recovery - FID	116	%	(70-130)	MADEP VPH	2/12/04 00:21	EHT
Dilution Factor	1	mg/kg		MADEP VPH	2/12/04 00:21	EHT
Dry Weight Received	13.24 g	mg/kg		MADEP VPH	2/12/04 00:21	EHT

EXTRACTION FOR EPH	9.68g-2mL			MADEP-EPH	2/10/04 07:30	JDP
C9-C18 ALIPHATICS	Not detected	mg/kg	40	MADEP-EPH	2/11/04 23:52	GRR
[illegible]-C36 ALIPHATICS	Not detected	mg/kg	20	MADEP-EPH	2/11/04 23:52	GRR
C11-C22 AROMATICS	Not detected	mg/kg	20	MADEP-EPH	2/11/04 23:52	GRR
SURROGATE RECOVERY - ALIPHATIC	53	%	(40-140)	MADEP-EPH	2/11/04 23:52	GRR
SURROGATE RECOVERY - AROMATIC	56	%	(40-140)	MADEP-EPH	2/11/04 23:52	GRR
SURR:2-FLUOROBIPHENYL	65	%	(40-140)	MADEP-EPH	2/11/04 23:52	GRR
SURR:2-BROMONAPHTHALENE	50	%	(40-140)	MADEP-EPH	2/11/04 23:52	GRR
DILUTION FACTOR	1	mg/kg		MADEP-EPH	2/11/04 23:52	GRR
DRY WEIGHT	7.7	mg/kg		MADEP-EPH	2/11/04 23:52	GRR

CALCULATIONS BASED ON DRY WT.	76.7	% DRY WT.	0.01	SM 2540 G	2/10/04 10:25	CWC
PREP. METHOD 3550	29.60g-1mL			SW846-3550B	2/11/04 07:30	JDP
ACETONE	0.098	mg/kg	0.050	SW846-8260B	2/12/04 23:27	KC
BENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
BROMOBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
BROMOCHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
BROMODICHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
BROMOFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
BROMOMETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 23:27	KC
2-BUTANONE (MEK)	Not detected	mg/kg	0.100	SW846-8260B	2/12/04 23:27	KC
N-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
[illegible]EC-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-2**
Prism Sample ID: **AD07483** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:10
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TERT-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
CARBON TETRACHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
CHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
CHLORODIBROMOMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
CHLOROETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 23:27	KC
CHLOROFORM	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
CHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
2-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
4-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,2-DIBROMOETHANE (EDB)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
DICHLORODIFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,1-DICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,2-DICHLOROETHANE (1,2-DCA)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,1-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
CIS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
TRANS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,3-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
2,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,1-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
CIS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
ETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
2-HEXANONE	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 23:27	KC
ISOPROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
ISOPROPYL ETHER (IPE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
4-ISOPROPYLTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
METHYLENE CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-2**
Prism Sample ID: **AD07483** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:10
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-METHYL-2-PENTANONE (MIBK)	Not detected	mg/kg	0.050	SW846-8260B	2/12/04 23:27	KC
METHYL-TERT-BUTYL-ETHER (MTBE)	0.0053 J	mg/kg	0.010	SW846-8260B	2/12/04 23:27	KC
NAPHTHALENE	Not detected	mg/kg	0.010	SW846-8260B	2/12/04 23:27	KC
N-PROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
STYRENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
TETRACHLOROETHENE (PCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
TOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,1,1-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,1,2-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
CHLOROETHENE (TCE)	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
TRICHLOROFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,2,3-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,2,3-TRICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,2,4-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
1,3,5-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
VINYL ACETATE	Not detected	mg/kg	0.025	SW846-8260B	2/12/04 23:27	KC
VINYL CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
XYLENES, TOTAL	Not detected	mg/kg	0.005	SW846-8260B	2/12/04 23:27	KC
SURR:DIBROMOFLUOROMETHANE	110	%	67-143	SW846-8260B	2/12/04 23:27	KC
SURR:TOLUENE-D8	99	%	81-128	SW846-8260B	2/12/04 23:27	KC
SURR:BROMOFLUOROBENZENE	115	%	77-128	SW846-8260B	2/12/04 23:27	KC
DILUTION FACTOR	1	mg/kg		SW846-8260B	2/12/04 23:27	KC

ACENAPHTHENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
ACENAPHTHYLENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
ANTHRACENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
BENZOIC ACID	Not detected	mg/kg	2.200	SW846-8270C	2/13/04 05:26	WAD
BENZO(A)ANTHRACENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
BENZO(B)FLUORANTHENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
BENZO(K)FLUORANTHENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-2**
Prism Sample ID: **AD07483** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:10
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZO(G,H,I)PERYLENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
BENZO(A)PYRENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
BENZYL ALCOHOL	Not detected	mg/kg	0.880	SW846-8270C	2/13/04 05:26	WAD
BIS(2-CHLOROETHOXY)METHANE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
BIS(2-CHLOROETHYL)ETHER	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
4-BROMOPHENYL PHENYL ETHER	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
BUTYL BENZYL PHTHALATE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
4-CHLOROANILINE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
HLORO-3-METHYLPHENOL	Not detected	mg/kg	0.880	SW846-8270C	2/13/04 05:26	WAD
2-CHLORONAPHTHALENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
2-CHLOROPHENOL	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
4-CHLOROPHENYL PHENYL ETHER	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
CHRYSENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
DIBENZO(A,H)ANTHRACENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
DIBENZOFURAN	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
DI-N-BUTYLPHTHALATE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
1,2-DICHLOROBENZENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
3,3-DICHLOROBENZIDINE	Not detected	mg/kg	0.880	SW846-8270C	2/13/04 05:26	WAD
2,4-DICHLOROPHENOL	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
DIETHYL PHTHALATE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
2,4-DIMETHYLPHENOL	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
DIMETHYL PHTHALATE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
4,6-DINITRO-2-METHYLPHENOL	Not detected	mg/kg	2.200	SW846-8270C	2/13/04 05:26	WAD
2,4-DINITROPHENOL	Not detected	mg/kg	2.200	SW846-8270C	2/13/04 05:26	WAD
2,4-DINITROTOLUENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
2,6-DINITROTOLUENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
N-OCTYLPHTHALATE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-2**
Prism Sample ID: **AD07483** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:10
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIPHENYLHYDRAZINE (as AZOBENZ	Not detected	mg/kg	2.200	SW846-8270C	2/13/04 05:26	WAD
FLUORANTHENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
FLUORENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
HEXACHLOROBENZENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
HEXACHLOROBUTADIENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
HEXACHLOROCYCLOPENTADIENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
HEXACHLOROETHANE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
INDENO(1,2,3-CD)PYRENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
ISOPHORONE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
2-METHYL NAPHTHALENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
METHYL-PHENOL	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
4-METHYL-PHENOL	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
NAPHTHALENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
NITROBENZENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
2-NITROPHENOL	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
4-NITROPHENOL	Not detected	mg/kg	2.200	SW846-8270C	2/13/04 05:26	WAD
N-NITROSODIPHENYLAMINE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
N-NITROSODI-N-PROPYLAMINE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
PENTACHLOROPHENOL	Not detected	mg/kg	2.200	SW846-8270C	2/13/04 05:26	WAD
PHENANTHRENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
PHENOL	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
PYRENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
2,4,6-TRICHLOROPHENOL	Not detected	mg/kg	0.440	SW846-8270C	2/13/04 05:26	WAD
SURR: 2-FLUOROPHENOL	64	%	14-89	SW846-8270C	2/13/04 05:26	WAD
SURR: PHENOL-d5	63	%	13-95	SW846-8270C	2/13/04 05:26	WAD
SURR: NITROBENZENE-d5	62	%	14-103	SW846-8270C	2/13/04 05:26	WAD
SURR: 2-FLUOROBIPHENYL	68	%	21-108	SW846-8270C	2/13/04 05:26	WAD
SURR: 2,4,6-TRIBROMOPHENOL	73	%	25-123	SW846-8270C	2/13/04 05:26	WAD
SURR: TERPHENYL-d14	86	%	41-136	SW846-8270C	2/13/04 05:26	WAD
DILUTION FACTOR	1	mg/kg		SW846-8270C	2/13/04 05:26	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-2**
Prism Sample ID: **AD07483** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04 17:10
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST

Sample Comments:

Analysis note for 8260: Acetone was detected in this sample. Acetone method blank concentration: <0.010 ppm. Laboratory contamination is not suspected.
J: Estimated concentration between the method detection limit and the reporting limit.

5035 vials for Method 8260 were preserved upon receipt at the lab.

Angela D. Overcash, V.P. Laboratory Services

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-3**
Prism Sample ID: **AD07484** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 13:15
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
C5-C8 Aliphatics	Not detected	mg/kg	7	MADEP VPH	2/12/04 01:15	EHT
C9-C12 Aliphatics	Not detected	mg/kg	6	MADEP VPH	2/12/04 01:15	EHT
C9-C10 Aromatics	Not detected	mg/kg	2	MADEP VPH	2/12/04 01:15	EHT
Surrogate % Recovery - PID	114	%	(70-130)	MADEP VPH	2/12/04 01:15	EHT
Surrogate % Recovery - FID	109	%	(70-130)	MADEP VPH	2/12/04 01:15	EHT
Dilution Factor	1	mg/kg		MADEP VPH	2/12/04 01:15	EHT
Dry Weight Received	18.10 g	mg/kg		MADEP VPH	2/12/04 01:15	EHT

EXTRACTION FOR EPH	9.54g-2mL			MADEP-EPH	2/10/04 07:30	JDP
C9-C18 ALIPHATICS	Not detected	mg/kg	40	MADEP-EPH	2/12/04 17:30	GRR
[illegible]9-C36 ALIPHATICS	Not detected	mg/kg	20	MADEP-EPH	2/12/04 17:30	GRR
C11-C22 AROMATICS	Not detected	mg/kg	20	MADEP-EPH	2/12/04 17:30	GRR
SURROGATE RECOVERY - ALIPHATIC	63	%	(40-140)	MADEP-EPH	2/12/04 17:30	GRR
SURROGATE RECOVERY - AROMATIC	54	%	(40-140)	MADEP-EPH	2/12/04 17:30	GRR
SURR:2-FLUOROBIPHENYL	59	%	(40-140)	MADEP-EPH	2/12/04 17:30	GRR
SURR:2-BROMONAPHTHALENE	46	%	(40-140)	MADEP-EPH	2/12/04 17:30	GRR
DILUTION FACTOR	1	mg/kg		MADEP-EPH	2/12/04 17:30	GRR
DRY WEIGHT	6.3	mg/kg		MADEP-EPH	2/12/04 17:30	GRR

CALCULATIONS BASED ON DRY WT.	83.6	% DRY WT.	0.01	SM 2540 G	2/10/04 10:25	CWC
PREP. METHOD 3550	29.64g-1mL			SW846-3550B	2/11/04 07:30	JDP
ACETONE	Not detected	mg/kg	0.050	SW846-8260B	2/18/04 09:14	KC
BENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
BROMOBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
BROMOCHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
BROMODICHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
BROMOFORM	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
BROMOMETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/18/04 09:14	KC
2-BUTANONE (MEK)	Not detected	mg/kg	0.100	SW846-8260B	2/18/04 09:14	KC
N-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
[illegible]EC-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-3**
Prism Sample ID: **AD07484** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 13:15
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TERT-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
CARBON TETRACHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
CHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
CHLORODIBROMOMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
CHLOROETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/18/04 09:14	KC
CHLOROFORM	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
CHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
2-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
4-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,2-DIBROMOETHANE (EDB)	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
[illegible]-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
DICHLORODIFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,1-DICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,2-DICHLOROETHANE (1,2-DCA)	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,1-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
CIS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
TRANS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,3-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
2,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,1-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
CIS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
ETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
2-HEXANONE	Not detected	mg/kg	0.050	SW846-8260B	2/18/04 09:14	KC
ISOPROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
ISOPROPYL ETHER (IPE)	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
4-ISOPROPYLTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
[illegible]ETHYLENE CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

[redacted]2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-3**
Prism Sample ID: **AD07484** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 13:15
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-METHYL-2-PENTANONE (MIBK)	Not detected	mg/kg	0.050	SW846-8260B	2/18/04 09:14	KC
METHYL-TERT-BUTYL-ETHER (MTBE)	Not detected	mg/kg	0.010	SW846-8260B	2/18/04 09:14	KC
NAPHTHALENE	Not detected	mg/kg	0.010	SW846-8260B	2/18/04 09:14	KC
N-PROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
STYRENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
TETRACHLOROETHENE (PCE)	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
TOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,1,1-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,1,2-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
[redacted]CHLOROETHENE (TCE)	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
TRICHLOROFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,2,3-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,2,3-TRICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,2,4-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
1,3,5-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
VINYL ACETATE	Not detected	mg/kg	0.025	SW846-8260B	2/18/04 09:14	KC
VINYL CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
XYLENES, TOTAL	Not detected	mg/kg	0.005	SW846-8260B	2/18/04 09:14	KC
SURR:DIBROMOFLUOROMETHANE	107	%	67-143	SW846-8260B	2/18/04 09:14	KC
SURR:TOLUENE-D8	102	%	81-128	SW846-8260B	2/18/04 09:14	KC
SURR:BROMOFLUOROBENZENE	111	%	77-128	SW846-8260B	2/18/04 09:14	KC
DILUTION FACTOR	1	mg/kg		SW846-8260B	2/18/04 09:14	KC

ACENAPHTHENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
ACENAPHTHYLENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
ANTHRACENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
BENZOIC ACID	Not detected	mg/kg	2.000	SW846-8270C	2/13/04 06:13	WAD
BENZO(A)ANTHRACENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
[redacted]NZO(B)FLUORANTHENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
[redacted]NZO(K)FLUORANTHENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-3**
Prism Sample ID: **AD07484** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 13:15
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZO(G,H,I)PERYLENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
BENZO(A)PYRENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
BENZYL ALCOHOL	Not detected	mg/kg	0.800	SW846-8270C	2/13/04 06:13	WAD
BIS(2-CHLOROETHOXY)METHANE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
BIS(2-CHLOROETHYL)ETHER	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
4-BROMOPHENYL PHENYL ETHER	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
BUTYL BENZYL PHTHALATE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
4-CHLOROANILINE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
[redacted]HLORO-3-METHYLPHENOL	Not detected	mg/kg	0.800	SW846-8270C	2/13/04 06:13	WAD
2-CHLORONAPHTHALENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
2-CHLOROPHENOL	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
4-CHLOROPHENYL PHENYL ETHER	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
CHRYSENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
DIBENZO(A,H)ANTHRACENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
DIBENZOFURAN	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
DI-N-BUTYLPHTHALATE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
1,2-DICHLOROBENZENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
3,3-DICHLOROBENZIDINE	Not detected	mg/kg	0.800	SW846-8270C	2/13/04 06:13	WAD
2,4-DICHLOROPHENOL	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
DIETHYL PHTHALATE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
2,4-DIMETHYLPHENOL	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
DIMETHYL PHTHALATE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
4,6-DINITRO-2-METHYLPHENOL	Not detected	mg/kg	2.000	SW846-8270C	2/13/04 06:13	WAD
2,4-DINITROPHENOL	Not detected	mg/kg	2.000	SW846-8270C	2/13/04 06:13	WAD
2,4-DINITROTOLUENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
2,6-DINITROTOLUENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
[redacted]N-OCTYLPHTHALATE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-3**
Prism Sample ID: **AD07484** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 13:15
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIPHENYLHYDRAZINE (as AZOBENZ	Not detected	mg/kg	2.000	SW846-8270C	2/13/04 06:13	WAD
FLUORANTHENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
FLUORENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
HEXACHLOROBENZENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
HEXACHLOROBUTADIENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
HEXACHLOROCYCLOPENTADIENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
HEXACHLOROETHANE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
INDENO(1,2,3-CD)PYRENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
ISOPHORONE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
2-METHYL NAPHTHALENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
[illegible]ETHYL-PHENOL	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
4-METHYL-PHENOL	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
NAPHTHALENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
NITROBENZENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
2-NITROPHENOL	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
4-NITROPHENOL	Not detected	mg/kg	2.000	SW846-8270C	2/13/04 06:13	WAD
N-NITROSODIPHENYLAMINE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
N-NITROSODI-N-PROPYLAMINE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
PENTACHLOROPHENOL	Not detected	mg/kg	2.000	SW846-8270C	2/13/04 06:13	WAD
PHENANTHRENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
PHENOL	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
PYRENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
2,4,6-TRICHLOROPHENOL	Not detected	mg/kg	0.400	SW846-8270C	2/13/04 06:13	WAD
SURR: 2-FLUOROPHENOL	67	%	14-89	SW846-8270C	2/13/04 06:13	WAD
SURR: PHENOL-d5	67	%	13-95	SW846-8270C	2/13/04 06:13	WAD
SURR: NITROBENZENE-d5	72	%	14-103	SW846-8270C	2/13/04 06:13	WAD
SURR: 2-FLUOROBIPHENYL	78	%	21-108	SW846-8270C	2/13/04 06:13	WAD
SURR: 2,4,6-TRIBROMOPHENOL	76	%	25-123	SW846-8270C	2/13/04 06:13	WAD
SURR: TERPHENYL-d14	100	%	41-136	SW846-8270C	2/13/04 06:13	WAD
[illegible]LUTION FACTOR	1	mg/kg		SW846-8270C	2/13/04 06:13	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-3**
Prism Sample ID: **AD07484** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 13:15
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST

Sample Comments:

5035 vials for Method 8260 were preserved upon receipt at the lab.

Angela D. Overcash, V.P. Laboratory Services

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-4**
Prism Sample ID: **AD07485** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 09:20
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
C5-C8 Aliphatics	Not detected	mg/kg	7	MADEP VPH	2/12/04 02:09	EHT
C9-C12 Aliphatics	Not detected	mg/kg	6	MADEP VPH	2/12/04 02:09	EHT
C9-C10 Aromatics	Not detected	mg/kg	2	MADEP VPH	2/12/04 02:09	EHT
Surrogate % Recovery - PID	111	%	(70-130)	MADEP VPH	2/12/04 02:09	EHT
Surrogate % Recovery - FID	122	%	(70-130)	MADEP VPH	2/12/04 02:09	EHT
Dilution Factor	1	mg/kg		MADEP VPH	2/12/04 02:09	EHT
Dry Weight Received	11.94 g	mg/kg		MADEP VPH	2/12/04 02:09	EHT

EXTRACTION FOR EPH	9.76g-2mL			MADEP-EPH	2/10/04 07:30	JDP
C9-C18 ALIPHATICS	Not detected	mg/kg	40	MADEP-EPH	2/12/04 19:12	GRR
[illegible]-C36 ALIPHATICS	Not detected	mg/kg	20	MADEP-EPH	2/12/04 19:12	GRR
C11-C22 AROMATICS	Not detected	mg/kg	20	MADEP-EPH	2/12/04 19:12	GRR
SURROGATE RECOVERY - ALIPHATIC	64	%	(40-140)	MADEP-EPH	2/12/04 19:12	GRR
SURROGATE RECOVERY - AROMATIC	54	%	(40-140)	MADEP-EPH	2/12/04 19:12	GRR
SURR:2-FLUOROBIPHENYL	57	%	(40-140)	MADEP-EPH	2/12/04 19:12	GRR
SURR:2-BROMONAPHTHALENE	46	%	(40-140)	MADEP-EPH	2/12/04 19:12	GRR
DILUTION FACTOR	1	mg/kg		MADEP-EPH	2/12/04 19:12	GRR
DRY WEIGHT	7.2	mg/kg		MADEP-EPH	2/12/04 19:12	GRR

CALCULATIONS BASED ON DRY WT.	72.1	% DRY WT.	0.01	SM 2540 G	2/10/04 10:25	CWC
PREP. METHOD 3550	29.70g-1mL			SW846-3550B	2/11/04 07:30	JDP
ACETONE	Not detected	mg/kg	0.050	SW846-8260B	2/13/04 00:54	KC
BENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
BROMOBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
BROMOCHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
BROMODICHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
BROMOFORM	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
BROMOMETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/13/04 00:54	KC
2-BUTANONE (MEK)	Not detected	mg/kg	0.100	SW846-8260B	2/13/04 00:54	KC
N-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
SEC-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-4**
Prism Sample ID: **AD07485** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 09:20
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
TERT-BUTYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
CARBON TETRACHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
CHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
CHLORODIBROMOMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
CHLOROETHANE	Not detected	mg/kg	0.010	SW846-8260B	2/13/04 00:54	KC
CHLOROFORM	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
CHLOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
2-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
4-CHLOROTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,2-DIBROMOETHANE (EDB)	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
DICHLORODIFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,1-DICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,2-DICHLOROETHANE (1,2-DCA)	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,1-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
CIS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
TRANS-1,2-DICHLOROETHENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,3-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
2,2-DICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,1-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
CIS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
TRANS-1,3-DICHLOROPROPENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
ETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
2-HEXANONE	Not detected	mg/kg	0.050	SW846-8260B	2/13/04 00:54	KC
ISOPROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
ISOPROPYL ETHER (IPE)	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
4-ISOPROPYLTOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
METHYLENE CHLORIDE	0.0048 J	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-4**
Prism Sample ID: **AD07485** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 09:20
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
4-METHYL-2-PENTANONE (MIBK)	Not detected	mg/kg	0.050	SW846-8260B	2/13/04 00:54	KC
METHYL-TERT-BUTYL-ETHER (MTBE)	Not detected	mg/kg	0.010	SW846-8260B	2/13/04 00:54	KC
NAPHTHALENE	Not detected	mg/kg	0.010	SW846-8260B	2/13/04 00:54	KC
N-PROPYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
STYRENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,1,2,2-TETRACHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
TETRACHLOROETHENE (PCE)	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
TOLUENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,1,1-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,1,2-TRICHLOROETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
[redacted]CHLOROETHENE (TCE)	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
TRICHLOROFLUOROMETHANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,2,3-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,2,3-TRICHLOROPROPANE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,2,4-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
1,3,5-TRIMETHYLBENZENE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
VINYL ACETATE	Not detected	mg/kg	0.025	SW846-8260B	2/13/04 00:54	KC
VINYL CHLORIDE	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
XYLENES, TOTAL	Not detected	mg/kg	0.005	SW846-8260B	2/13/04 00:54	KC
SURR:DIBROMOFLUOROMETHANE	119	%	67-143	SW846-8260B	2/13/04 00:54	KC
SURR:TOLUENE-D8	102	%	81-128	SW846-8260B	2/13/04 00:54	KC
SURR:BROMOFLUOROBENZENE	117	%	77-128	SW846-8260B	2/13/04 00:54	KC
DILUTION FACTOR	1	mg/kg		SW846-8260B	2/13/04 00:54	KC

ACENAPHTHENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
ACENAPHTHYLENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
ANTHRACENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
BENZOIC ACID	Not detected	mg/kg	2.350	SW846-8270C	2/13/04 07:01	WAD
BENZO(A)ANTHRACENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
[redacted]ENZO(B)FLUORANTHENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
[redacted]ENZO(K)FLUORANTHENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-4**
Prism Sample ID: **AD07485** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 09:20
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
BENZO(G,H,I)PERYLENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
BENZO(A)PYRENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
BENZYL ALCOHOL	Not detected	mg/kg	0.940	SW846-8270C	2/13/04 07:01	WAD
BIS(2-CHLOROETHOXY)METHANE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
BIS(2-CHLOROETHYL)ETHER	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
BIS(2-CHLOROISOPROPYL)ETHER	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
BIS(2-ETHYLHEXYL)PHTHALATE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
4-BROMOPHENYL PHENYL ETHER	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
BUTYL BENZYL PHTHALATE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
4-CHLOROANILINE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
[redacted]HLORO-3-METHYLPHENOL	Not detected	mg/kg	0.940	SW846-8270C	2/13/04 07:01	WAD
2-CHLORONAPHTHALENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
2-CHLOROPHENOL	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
4-CHLOROPHENYL PHENYL ETHER	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
CHRYSENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
DIBENZO(A,H)ANTHRACENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
DIBENZOFURAN	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
DI-N-BUTYLPHTHALATE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
1,2-DICHLOROBENZENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
1,3-DICHLOROBENZENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
1,4-DICHLOROBENZENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
3,3-DICHLOROBENZIDINE	Not detected	mg/kg	0.940	SW846-8270C	2/13/04 07:01	WAD
2,4-DICHLOROPHENOL	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
DIETHYL PHTHALATE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
2,4-DIMETHYLPHENOL	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
DIMETHYL PHTHALATE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
4,6-DINITRO-2-METHYLPHENOL	Not detected	mg/kg	2.350	SW846-8270C	2/13/04 07:01	WAD
2,4-DINITROPHENOL	Not detected	mg/kg	2.350	SW846-8270C	2/13/04 07:01	WAD
2,4-DINITROTOLUENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
2,6-DINITROTOLUENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
[redacted]N-OCTYLPHTHALATE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-4**
Prism Sample ID: **AD07485** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 09:20
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
1,2-DIPHENYLHYDRAZINE (as AZOBENZ	Not detected	mg/kg	2.350	SW846-8270C	2/13/04 07:01	WAD
FLUORANTHENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
FLUORENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
HEXACHLOROBENZENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
HEXACHLOROBUTADIENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
HEXACHLOROCYCLOPENTADIENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
HEXACHLOROETHANE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
INDENO(1,2,3-CD)PYRENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
ISOPHORONE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
2-METHYL NAPHTHALENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
ETHYL-PHENOL	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
4-METHYL-PHENOL	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
NAPHTHALENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
NITROBENZENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
2-NITROPHENOL	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
4-NITROPHENOL	Not detected	mg/kg	2.350	SW846-8270C	2/13/04 07:01	WAD
N-NITROSODIPHENYLAMINE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
N-NITROSODI-N-PROPYLAMINE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
PENTACHLOROPHENOL	Not detected	mg/kg	2.350	SW846-8270C	2/13/04 07:01	WAD
PHENANTHRENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
PHENOL	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
PYRENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
1,2,4-TRICHLOROBENZENE	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
2,4,6-TRICHLOROPHENOL	Not detected	mg/kg	0.470	SW846-8270C	2/13/04 07:01	WAD
SURR: 2-FLUOROPHENOL	67	%	14-89	SW846-8270C	2/13/04 07:01	WAD
SURR: PHENOL-d5	63	%	13-95	SW846-8270C	2/13/04 07:01	WAD
SURR: NITROBENZENE-d5	62	%	14-103	SW846-8270C	2/13/04 07:01	WAD
SURR: 2-FLUOROBIPHENYL	65	%	21-108	SW846-8270C	2/13/04 07:01	WAD
SURR: 2,4,6-TRIBROMOPHENOL	74	%	25-123	SW846-8270C	2/13/04 07:01	WAD
SURR: TERPHENYL-d14	90	%	41-136	SW846-8270C	2/13/04 07:01	WAD
DILUTION FACTOR	1	mg/kg		SW846-8270C	2/13/04 07:01	WAD

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **SW-4**
Prism Sample ID: **AD07485** Matrix: soil
Login Group: 5952L9
Sample Collection Date/Time: 2/4/04 09:20
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST

Sample Comments:

Analysis note for 8260: J - Estimated concentration between the method detection limit and the reporting limit.

Methylene Chloride was detected in this sample. Methylene Chloride method blank concentration: <0.002 ppm. Laboratory contamination is not suspected.

5035 vials for Method 8260 were preserved upon receipt at the lab.

Angela D. Overcash, V.P. Laboratory Services

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **QC**
Prism Sample ID: **AD07486** Matrix: n/a
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
LCS FOR VPH IN SOIL				x QC VPH	2/11/04 20:33	EHT

COMPOUND	%REC	%REC RANGE	PASS/ FAIL
C5-C8 Aliphatics	101 %	70-130	PASS
C9-C12 Aliphatics	103 %	70-130	PASS
C9-C10 Aromatics	92 %	70-130	PASS

MS/MSD FOR VPH IN SOIL — x QC VPH — 2/12/04 15:38 — EHT

SAMPLE SPIKED: AD07131

COMPOUND	MS %REC	MSD %REC	RPD	%REC RANGE	RPD RANGE	PASS/ FAIL
C5-C8 Aliphatics	84 %	95 %	12	70-130	< 50	PASS
C9-C12 Aliphatics	104 %	96 %	9	70-130	< 50	PASS
C9-C10 Aromatics	89 %	89 %	1	70-130	< 50	PASS

MADEP EPH MS/MSD — xMADEP EPH — 2/11/04 06:42 — GRR

SAMPLE SPIKED :AD07383

COMPOUND RANGE	MS %REC	MSD %REC	QC LIMITS	RPD	RPD LIMITS	PASS/FAIL
C9-C18 ALIPHATICS	55 %	57 %	(40-140)	4	50	PASS
C19-C36 ALIPHATICS	56 %	66 %	(40-140)	16	50	PASS
C11-C22 AROMATICS	62 %	73 %	(40-140)	16	50	PASS

MADEP EPH LCS — xMADEP EPH — 2/11/04 16:07 — GRR

COMPOUND RANGE	LCS %REC	QC LIMITS	PASS/FAIL
C9-C18 ALIPHATICS	67 %	(40-140)	PASS
C19-C36 ALIPHATICS	63 %	(40-140)	PASS
C11-C22 AROMATICS	62 %	(40-140)	PASS

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **QC**
Prism Sample ID: **AD07486** Matrix: n/a
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
QC REPORT - METHOD BLANK DATA				xSW846-8260	2/12/04 19:49	KC

QC BATCH ID: VMS-D-021204

COMPOUND	RESULT (ug/kg)	COMPOUND	RESULT (ug/kg)
BENZENE	< 5	ETHYLBENZENE	< 5
BROMOBENZENE	< 5	HEXACHLOROBUTADIENE	< 5
BROMOCHLOROMETHANE	< 5	ISOPROPYLBENZENE	< 5
BROMODICHLOROMETHANE	< 5	P-ISOPROPYLTOLUENE	< 5
BROMOFORM	< 5	METHYLENE CHLORIDE	< 5
BROMOMETHANE	< 10	NAPHTHALENE	< 5
N-BUTYLBENZENE	< 5	N-PROPYLBENZENE	< 5
SEC-BUTYLBENZENE	< 5	STYRENE	< 5
TERT-BUTYLBENZENE	< 5	1,1,1,2-TETRACHLOROETHANE	< 5
CHLOROBENZENE	< 5	1,1,2,2-TETRACHLOROETHANE	< 5
CHLORODIBROMOMETHANE	< 5	TETRACHLOROETHENE	< 5
CHLOROETHANE	< 10	TOLUENE	< 5
CHLOROFORM	< 5	1,2,3-TRICHLOROBENZENE	< 5
CHLOROMETHANE	< 10	1,2,4-TRICHLOROBENZENE	< 5
2-CHLOROTOLUENE	< 5	1,1,1-TRICHLOROETHANE	< 5
1,1,2-TRICHLOROETHANE	< 5	TRICHLOROETHENE	< 5
4-CHLOROTOLUENE	< 5	TRICHLOROFLUOROMETHANE	< 5
1,2-DIBROMO-3-CHLOROPROPANE	< 10	1,2,3-TRICHLOROPROPANE	< 5
1,2-DIBROMOETHANE	< 5	1,2,4-TRIMETHYLBENZENE	< 5
DIBROMOMETHANE	< 5	1,3,5-TRIMETHYLBENZENE	< 5
1,2-DICHLOROBENZENE	< 5	VINYL CHLORIDE	< 10
1,3-DICHLOROBENZENE	< 5	TOTAL XYLENES	< 5
1,4-DICHLOROBENZENE	< 5	cis-1,3-DICHLOROPROPENE	< 5
DICHLORODIFLUOROMETHANE	< 5	trans-1,3-DICHLOROPROPENE	< 5
1,1-DICHLOROETHANE	< 5	ACETONE	< 50
1,2-DICHLOROETHANE	< 5	2-BUTANONE (MEK)	< 50
1,1-DICHLOROETHENE	< 5	CARBON DISULFIDE	< 100
CIS-1,2-DICHLOROETHENE	< 5	CARBON TETRACHLORIDE	< 5
TRANS-1,2-DICHLOROETHENE	< 5	2-CHLOROETHYLVINYLETHER	< 10
1,2-DICHLOROPROPANE	< 5	2-HEXANONE	< 50
1,3-DICHLOROPROPANE	< 5	4-METHYL-2-PENTANONE (MIBK)	< 50
2,2-DICHLOROPROPANE	< 5	IPE	< 5
1,1-DICHLOROPROPENE	< 5	MTBE	< 5
VINYL ACETATE	< 50		

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **QC**
Prism Sample ID: **AD07486** Matrix: n/a
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
QC REPORT- LCS DATA				xSW846-8260	2/14/04 12:11	KC

QC BATCH ID: VMS-D-021204

COMPOUND	%REC #	%REC RANGE	PASS/ FAIL
1,1-DICHLOROETHENE	111	57-122	PASS
BENZENE	114	62-119	PASS
TRICHLOROETHENE	127	59-129	PASS
TOLUENE	120	57-122	PASS
CHLOROBENZENE	107	61-124	PASS

QC REPORT- MS/MSD DATA — xSW846-8260 — 2/13/04 05:16 — KC

QC BATCH ID: VMS-D-021202 SAMPLE SPIKED: AD07479

COMPOUND	MS %REC #	MSD %REC #	RPD #	% REC RANGE	RPD RANGE	PASS/ FAIL
1,1-DICHLOROETHENE	54	57	6	44-140	<23	PASS
BENZENE	95	94	1	46-136	<22	PASS
TRICHLOROETHENE	114	111	2	45-141	<23	PASS
TOLUENE	125	121	3	47-136	<22	PASS
CHLOROBENZENE	129	123	4	47-135	<22	PASS

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **QC**
Prism Sample ID: **AD07486** Matrix: n/a
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
QC REPORT - METHOD BLANK DATA				xSW846-8270	2/12/04 21:18	WAD
PREP BATCH ID: S8270-021204						

METHOD BLANK RESULTS:	RESULT (ug/kg)		RESULT (ug/kg)
2-CHLOROPHENOL	< 330	ACENAPHTHENE	< 330
BIS(2-CHLOROETHYL)ETHER	< 330	DIBENZOFURAN	< 330
PHENOL	< 330	2,4 DINITROPHENOL	<1650
1,3-DICHLOROBENZENE	< 330	2,4 DINITROTOLUENE	< 330
1,2-DICHLOROBENZENE	< 330	FLUORENE	< 330
1,4-DICHLOROBENZENE	< 330	4-CHLOROPHENYL PHENYL ETHER	< 330
BIS(2-CHLOROISOPROPYL)ETHER	< 330	DIETHYL PHTHALATE	< 330
2-METHYL PHENOL (O CRESOL)	< 330	4,6-DINITRO-2-METHYL PHENOL	<1650
HEXACHLOROETHANE	< 330	N-NITROSODIPHENYLAMINE	< 330
N-NITROSO-DI-N-PROPYLAMINE	< 330	4-BROMOPHENYL PHENYL ETHER	< 330
NITROBENZENE	< 330	HEXACHLOROBENZENE	< 330
4-METHYL PHENOL (P CRESOL)	< 330	PENTACHLOROPHENOL	<1650
ISOPHORONE	< 330	ANTHRACENE	< 330
2-NITROPHENOL	< 330	DI-N-BUTYL PHTHALATE	< 330
4-NITROPHENOL	< 330	FLUORANTHENE	< 330
2,4 DIMETHYL PHENOL	< 330	PYRENE	< 330
BIS(2-CHLOROETHOXY)METHANE	< 330	BUTYL BENZYL PHTHALATE	< 330
1,2,4 TRICHLOROBENZENE	< 330	CHRYSENE	< 330
NAPHTHALENE	< 330	BENZO(A)ANTHRACENE	< 330
HEXACHLOROBUTADIENE	< 330	BIS(2-ETHYLHEXYL)PHTHALATE	< 330
2-METHYL NAPHTHALENE	< 330	DI-N-OCTYL PHTHALATE	< 330
4-CHLORO-3-METHYL PHENOL	< 330	BENZO(B)FLUORANTHENE	< 330
HEXACHLOROCYCLOPENTADIENE	< 330	BENZO(K)FLUORANTHENE	< 330
2,4,6 TRICHLOROPHENOL	< 330	BENZO(A)PYRENE	< 330
2-CHLORONAPHTHALENE	< 330	INDENO(1,2,3-C,D)PYRENE	< 330
2,4,5 TRICHLOROPHENOL	< 330	DIBENZO(A,H)ANTHRACENE	< 330
ACENAPHTHYLENE	< 330	BENZO(G,H,I)PERYLENE	< 330
DIMETHYL PHTHALATE	< 330	PHENANTHRENE	< 330
2,6-DINITROTOLUENE	< 330	BENZOIC ACID	< 660
2,4-DICHLOROPHENOL	< 330	BENZYL ALCOHOL	< 660

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **QC**
Prism Sample ID: **AD07486** Matrix: n/a
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST
QC REPORT - LCS DATA				xSW846-8270	2/12/04 22:05	WAD

PREP BATCH ID :S8270-021104
INSTRUMENT BATCH ID:021204-SMSD

COMPOUND	% REC	% REC RANGE	PASS/ FAIL
2-CHLOROPHENOL	75	37-98	PASS
PHENOL	86	34-102	PASS
1,4-DICHLOROBENZENE	69	37-95	PASS
N-NITROSODIPROPYLAMINE	75	38-101	PASS
1,2,4-TRICHLOROBENZENE	74	39-98	PASS
4-CHLORO-3-METHYLPHENOL	78	45-111	PASS
ACENAPHTHENE	80	44-110	PASS
4-NITROPHENOL	96	20-157	PASS
2,4-DINITROTOLUENE	89	56-128	PASS
PENTACHLOROPHENOL	105	53-127	PASS
PYRENE	95	54-131	PASS

QC REPORT - MS/MSD DATA — xSW846-8270 — 2/12/04 23:39 — WAD

PREP BATCH ID :S8270-020904 SAMPLE SPIKED:AD07039
INSTRUMENT BATCH ID:SMSD-021004

COMPOUND	SAMPLE RESULTS (ug/kg)	MS % REC	MSD % REC	QC LIMITS % REC	RPD	QC LIMITS RPD	PASS/ FAIL
2-CHLOROPHENOL	0	81	66	25-94	21	37	PASS
PHENOL	0	95	74	23-97	26	42	PASS
1,4-DICHLOROBENZENE	0	69	59	23-92	16	35	PASS
N-NITROSODIPROPYLAMINE	0	73	62	22-105	15	37	PASS
1,2,4-TRICHLOROBENZENE	0	74	62	26-97	18	37	PASS
4-CHLORO-3-METHYLPHENOL	0	79	68	31-113	15	32	PASS
ACENAPHTHENE	0	76	62	36-107	20	32	PASS
4-NITROPHENOL	0	85	75	17-150	12	32	PASS
2,4-DINITROTOLUENE	0	90	76	45-127	17	29	PASS
PENTACHLOROPHENOL	0	102	90	39-137	13	27	PASS
PYRENE	0	85	81	45-133	5	27	PASS

Lab Report

PRISM LABORATORIES, INC.

Full Service Analytical And Environmental Solutions

2/23/04

Solutions - IES
Attn: Bob Triplett
3722 Benson Dr.
Raleigh, NC 27609

Customer Project ID: **Maxton Tank Pull**
Customer Sample ID: **QC**
Prism Sample ID: **AD07486** Matrix: n/a
Login Group: 5952L9
Sample Collection Date/Time: 2/3/04
Lab Submittal Date/Time: 2/10/04 08:00

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

TEST PARAMETER	TEST RESULT	UNITS	REPORTING LIMIT	METHOD REFERENCE	DATE/TIME STARTED	ANALYST

Sample Comments:

Angela D. Overcash, V.P. Laboratory Services

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name	Solutions-IES	Laboratory Name	Prism Laboratories, Inc
Project Name	Maxton Tank Pull	NC Certification # (Lab)	402
Site Location	110 Patterson St., Maxton, NC 28634	Sample Matrix	Soil

Sample Information and Analytical Results

Method for Ranges: MADEP VPH		Sample Identification			AD07478	AD07479	AD07480	AD07481	AD07482
		Collection Option (for soil)*			1	1	1	1	1
VPH Surrogate Standards		Date Collected			2/3/04	2/3/04	2/3/04	2/3/04	2/3/04
Aliphatic: 2,5-Dibromotoluene		Date Received			2/10/04	2/10/04	2/10/04	2/10/04	2/10/04
Aromatic: 2,5-Dibromotoluene		Date Extracted			2/11/04	2/11/04	2/11/04	2/11/04	2/11/04
		Date Analyzed			2/12/04	2/12/04	2/11/04	2/11/04	2/11/04
		% Dry Solids			81%	80%	72%	83%	82%
		Dilution Factor			1	1	1	1	1
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**Blank**	**Sample Results**				
C5 - C8 Aliphatics**	mg/kg	2.0	7.0	<7.0	27	<7.0	<7.0	<7.0	<7.0
C9 - C12 Aliphatics**	mg/kg	1.3	6.0	<6.0	25	<6.0	<6.0	<6.0	<6.0
C9 - C10 Aromatics**	mg/kg	0.4	2.0	<2.0	2.1	<2.0	<2.0	<2.0	<2.0
Sample Surrogate Acceptance Range				70-130%	70-130%	70-130%	70-130%	70-130%	70-130%
Aliphatic Surrogate % Recovery - FID				105%	124%	125%	117%	117%	118%
Aromatic Surrogate % Recovery - PID				95%	99%	125%	100%	104%	125%

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCore™) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank or Trip Blank whichever is higher (indicate type)

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? (Yes) No - Details Attached

Were any significant modifications to the VPH method made? (No) Yes - Details Attached

No VPH Trip Blank was submitted to the laboratory.

VPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name	Solutions-IES	Laboratory Name	Prism Laboratories, Inc
Project Name	Maxton Tank Pull	NC Certification # (Lab)	402
Site Location	110 Patterson St., Maxton, NC 28634	Sample Matrix	Soil

Sample Information and Analytical Results

Method for Ranges: MADEP VPH		Sample Identification			AD07483	AD07484	AD07485		
		Collection Option (for soil)*			1	1	1		
VPH Surrogate Standards		Date Collected			2/3/04	2/4/04	2/4/04		
Aliphatic: 2,5-Dibromotoluene		Date Received			2/10/04	2/10/04	2/10/04		
Aromatic: 2,5-Dibromotoluene		Date Extracted			2/11/04	2/11/04	2/11/04		
		Date Analyzed			2/12/04	2/12/04	2/12/04		
		% Dry Solids			77%	84%	72%		
		Dilution Factor			1	1	1		
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**Blank**	**Sample Results**				
C5 - C8 Aliphatics**	mg/kg	2.0	7.0	<7.0	<7.0	<7.0	<7.0		
C9 - C12 Aliphatics**	mg/kg	1.3	6.0	<6.0	<6.0	<6.0	<6.0		
C9 - C10 Aromatics**	mg/kg	0.4	2.0	<2.0	<2.0	<2.0	<2.0		
Sample Surrogate Acceptance Range				70-130%	70-130%	70-130%	70-130%		
Aliphatic Surrogate % Recovery - FID				105%	116%	109%	122%		
Aromatic Surrogate % Recovery - PID				95%	116%	114%	111%		

* Option 1 = Established fill line on vial Option 2 = Sampling Device (indicate brand, e.g. EnCore™) Option 3 = Field weight of soil

** Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.

MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank or Trip Blank whichever is higher (indicate type)

VPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? (Yes) No - Details Attached

Were any significant modifications to the VPH method made? (No) Yes - Details Attached

No VPH Trip Blank was submitted to the laboratory.

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name	Solutions-IES	Laboratory Name	Prism Laboratories, Inc
Project Name	Maxton Tank Pull	NC Certification # (Lab)	402
Site Location	110 Patterson St., Maxton, NC 28634	Sample Matrix	Soil

Sample Information and Analytical Results

Method for Ranges: MADEP EPH		**Sample Identification**			AD07478	AD07479	AD07480	AD07481
EPH Surrogate Standards				**Date Collected**	2/3/04	2/3/04	2/3/04	2/3/04
Aliphatic:	1-Chloro-octadecane			**Date Received**	2/10/04	2/10/04	2/10/04	2/10/04
Aromatic:	o-Terphenyl			**Date Extracted**	2/10/04	2/10/04	2/10/04	2/10/04
EPH Fractionation Surrogates				**Date Analyzed**	2/12/04	2/11/04	2/11/04	2/11/04
#1:	2-Bromonaphthalene			**% Dry Solids**	81%	80%	72%	83%
#2:	2-Fluorobiphenyl			**Dilution Factor**	1	1	1	1
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**Blank**	**Sample Results**		**Sample Results**	
C9 - C18 Aliphatics*	**mg/kg**	6	40	<40	<40	<40	<40	<40
C19 - C36 Aliphatics*	**mg/kg**	3	20	<20	<20	<20	<20	<20
C11 - C22 Aromatics*	**mg/kg**	7	20	<20	<20	<20	<20	<20
Sample Surrogate Acceptance Range				**40-140%**	**40-140%**	**40-140%**	**40-140%**	**40-140%**
Aliphatic Surrogate % Recovery				62%	63%	65%	66%	64%
Aromatic Surrogate % Recovery				61%	57%	76%	77%	67%
Fractionation Surrogate Acceptance Range				**40-140%**	**40-140%**	**40-140%**	**40-140%**	**40-140%**
Fractionation Surrogate #1 % Recovery				50%	58%	96%	94%	71%
Fractionation Surrogate #2 % Recovery				71%	66%	104%	101%	79%

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? (Yes) No - Details Attached

Was blank correction applied as a significant modification of the method ? Yes (No)

Were any significant modifications to the EPH method made? (No) Yes - Details Attached

EPH (Aliphatics/Aromatics) Laboratory Reporting Form

Client Name	Solutions-IES	Laboratory Name	Prism Laboratories, Inc
Project Name	Maxton Tank Pull	NC Certification # (Lab)	402
Site Location	110 Patterson St., Maxton, NC 28634	Sample Matrix	Soil

Sample Information and Analytical Results

Method for Ranges: MADEP EPH		Sample Identification			AD07482	AD07483	AD07484	AD07485
EPH Surrogate Standards		Date Collected			2/3/04	2/3/04	2/4/04	2/4/04
Aliphatic:	1-Chloro-octadecane	Date Received			2/10/04	2/10/04	2/10/04	2/10/04
Aromatic:	o-Terphenyl	Date Extracted			2/10/04	2/10/04	2/10/04	2/10/04
EPH Fractionation Surrogates		Date Analyzed			2/12/04	2/11/04	2/12/04	2/12/04
#1:	2-Bromonaphthalene	% Dry Solids			82%	77%	63%	72%
#2:	2-Fluorobiphenyl	Dilution Factor			1	1	1	1
Hydrocarbon Ranges	**Units of Measure**	**MDL**	**RL**	**Blank**	**Sample Results**		**Sample Results**	
C9 - C18 Aliphatics*	mg/kg	6	40	<40	<40	<40	<40	<40
C19 - C36 Aliphatics*	mg/kg	3	20	<20	<20	<20	<20	<20
C11 - C22 Aromatics*	mg/kg	7	20	<20	<20	<20	<20	<20
Sample Surrogate Acceptance Range				40-140%	40-140%	40-140%	40-140%	40-140%
Aliphatic Surrogate % Recovery				62%	54%	53%	63%	64%
Aromatic Surrogate % Recovery				61%	73%	56%	54%	54%
Fractionation Surrogate Acceptance Range				40-140%	40-140%	40-140%	40-140%	40-140%
Fractionation Surrogate #1 % Recovery				50%	54%	50%	46%	46%
Fractionation Surrogate #2 % Recovery				71%	81%	65%	59%	57%

* Unadjusted value. Should exclude the concentration of any surrogate(s), internal standards, and/or concentrations of other ranges that elute within the specified range.
MDL = Method Detection Limit RL = Reporting Limit Blank = Laboratory Method Blank

EPH rev. 11/00

Were all performance/acceptance standards for required QA/QC procedures achieved? (Yes) No - Details Attached

Was blank correction applied as a significant modification of the method ? Yes (No)

Were any significant modifications to the EPH method made? (No) Yes - Details Attached

5040.04AC.N

CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543
Phone: 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 1 QUOTE # TO E[illegible]E PROPER BILLING:

Project Name: Maxton Tank Pull

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

*Please ATTACH any project specific reporting provisions and/or QC Requirements

Invoice To: NCDOT Chris Peoples

Address: WSB # 35437.2.4
TIP # I-4006K

Purchase Order No./Billing Reference 265295

Client Company Name: Solutions-IES

Report To/Contact Name: Bob Triplett

Reporting Address: 3722 Benson Dr.
Raleigh, NC 27609

Phone: (919) 873-1060 Fax (Yes) (No): (919) 873-1074

Site Location Name: Maxton, NC

Site Location Physical Address: 110 Patterson St
Maxton, NC 28634

Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days ☐ 6-9 Days ☑ Standard 10 days

Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	NO	N/A
Samples INTACT upon arrival? 3.4°	✓	
Received ON WET ICE? Temp	✓	
PROPER PRESERVATIVES indicated?	✓	
Received WITHIN HOLDING TIMES?	✓	
CUSTODY SEALS INTACT?		✓
VOLATILES rec'd W/OUT HEADSPACE?	✓	✓
PROPER CONTAINERS used?	✓	

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC ___ USACE ___ FL ___ NC ✓
SC ___ OTHER ___ N/A ___

Water Chlorinated: YES ___ NO ✓

Sample Iced Upon Collection: YES ✓ NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED 5030/8260B	TPE/MTBE	MADEP VPH	8270C	MADEP EPH			REMARKS	SUB LAB CERT. ID NO.	PRISM LAB ID NO.
Bottom-1	2/3/04	11:48	Soil	G/VOA	8	VOA, 8oz 40z, 20z	NaHSO4 CH4O	X	X	X	X						07479
Bottom-2	2/3/04	11:56						X	X	X	X						07479
Bottom-3	2/3/04	17:00						X	X	X	X						07480
Bottom-4	2/3/04	17:05						X	X	X	X						07481
SW-1	2/3/04	14:30						X	X	X	X						07482
SW-2	2/3/04	17:10						X	X	X	X						07483
SW-3	2/4/04	13:15						X	X	X	X						07484
SW-4	2/4/04	9:20						X	X	X	X						07485
																QC	07486

Sampler's Signature [signature] Sampled By (Print Name) Bob Triplett Affiliation Solutions-IES

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	2/6/04	15:30
Relinquished By: (Signature)	Received By: (Signature)	2/6/04	0952
Relinquished By: (Signature)	Received For Prism Laboratories By:	2/9/04	1145

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY! SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Prism Field Service ☐ Other Relinquished 2/10/04 @ 0800

Log-In Group No. 595219

Additional Comments: Rec'd by J. R. Brown 2/10/04 @ 0800

PRISM USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC ☐ ___	☑ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___	☐ NC ☐ SC ☐ ___

*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

APPENDIX G

Photographs of Closure Activities

Site Before Excavation

UST-1

UST-2

Site After Excavation

APPENDIX H

Geologic Log of Excavation

Project: 3040.04A2.ndot

EXCAVATION LOG

Page: 1 of 1

NCDOT Proj. #: Z-4006K

WBS Element: 35437.2.4

Date Started: 2/3/04

ID #: D & S Automatic Car Wash

Total Depth 8.5

Date Finished: 2/4/04

Logged By: BT

Units: FT.

Checked By: WJB

Elevation	Depth in Feet	Symbol	Description
	0		Ground Surface
			ASPHALT
	1		FILL MATERIAL
	2		
	3		BROWN SILTY CLAY
	4		
	5		
	6		
	7		
	8		
			8.5 ft
	9		

Solutions Industrial & Environmental Services, Inc.
3722 Benson Drive
Raleigh, NC 27609
(919) 873-1060

Solutions
Industrial & Environmental Services

FA-2216

DIVISION OF ENVIRONMENTAL MANAGEMENT

March 1, 1991

Laurinburg Oil Company
PO Box 218
McNair Street
Maxton, NC 28364

SUBJECT: Review of Lab Results
UST Soil Assessment
Maxton Oil & Fertilizer
McNair Street
Maxton, Robeson County

Dear Sir:

This is to acknowledge receipt of the above mentioned soil assessment dated February 20, 1991.

Based on review of the lab results, no additional soil excavation and removal is required. Should new information become available concerning this matter, we reserve the right to reverse this finding.

Should you have any questions or need clarification, please contact Mrs. Cindy Hegg of this office at (919) 486-1541.

Sincerely,

original signed by
M. J. Noland

M. J. Noland, P.E.
Regional Supervisor

CAH
MJN/CAH/mla

Notice of Intent to Permanently Close Underground Storage Tank(s)

FOR TANKS IN **NC**

North Carolina - Department of Environment, Health, & Natural Resources
Division of Environmental Management - Groundwater Section - U.S.T.
P.O. Box 27687
Raleigh, NC 27611 (919)733-8303

State Use Only
I. D. Number
Date Received FEB 20 1991

RECEIVED
ENV. MANAGEMENT
FAYETTEVILLE REG. OFFICE

INSTRUCTIONS
Please complete and return thirty (30) days prior to permanently closing tank(s).

I. OWNERSHIP OF TANK(S)

Tank Owner Name: LAURINBURG OIL CO
(Corporation, Individual, Public Agency, or Other Entity)
Street Address: P.O. BOX 218 MCNAIR ST
County: ROBESON
City: MAXTON State: NC Zip Code: 28364
Telephone Number (Area Code): 919-844-5270

II. LOCATION OF TANK(S)

Facility Name or Company: MAXTON OIL & FERTILIZER
Street Address or State Road: MCNAIR ST.
County: ROBESON
City: MAXTON State: NC Zip Code: 28364
Telephone Number (Area Code): 919-844-5270

Contact Person

Name: RALPH FIELDS Job Title: PLANT MANAGER Telephone Number: (919) 844-5270

TANK REMOVAL OR CLOSURE IN PLACE

1. Contact Local Fire Marshall.
2. Plan the Closure Event.
3. Make Site Soil Assessments.
4. Remove Tanks or Close in Place in a Safe and Secure Manner Per API Pubs. "2015 Cleaning" and "1604 Removal & Disposal".
5. Provide a sketch Locating Tanks and Soil Tests.
6. Keep Records for 3 Years.

TANK(S) CLOSURE OPERATIONS TO BE PERFORMED BY:

(Contractor) Name: RALPH FIELDS
Address: TURNPIKE ROAD LAURINBURG State NC Zip Code 28352
Contact: RALPH FIELDS Phone: 919-276

TANK(S) SCHEDULED FOR CLOSURE OR TO BE CLOSED

TANK NUMBER	TANK ID #	TANK CAPACITY	LAST CONTENTS	CLOSURE METHOD: Remove	CLOSURE METHOD: Close in Ground
Tank 1	Diesel Tank	1000	Diesel	■	
Tank 2					
Tank 3					
Tank 4					
Tank 5					
Tank 6					
Tank 7					
Tank 8					
Tank 9					

Name and Official title of Owner's Authorized Representative
MCNAIL EVANS OWNER/PRESIDENT *Scheduled Removal Date:
Signature: McNair Evans/dgk Date Submitted: 11-27-90

*If scheduled removal date changes, Forty-eight hours verbal notice of tank removal is required.

GW/UST-3

White Copy - Owner Blue Copy - Central Office
Yellow Copy - Regional Office Pink Copy - Central Files

Waste Management
ENVIRONMENTAL QUALITY

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

MICHAEL SCOTT
Director

March 26, 2018

Ms. Elizabeth Odom
1000 Wesley Pines, Villa 198
Lumberton, NC 28358

Re: Notice of No Further Action
15A NCAC 2L .0407(d)
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Elizabeth Odom Residence
804 McCaskill Avenue
Maxton, Robeson County
Incident Number: 42083
Risk Classification: Low (L-105-D)

Dear Ms. Odom,

The Underground Storage Tank Closure Report received by the UST Section, Division of Waste Management, Fayetteville Regional Office on October 30, 2017 has been reviewed. The information indicates that a release occurred from a heating oil UST located at the subject residence, soil contamination exceeds the residential maximum soil contaminant concentrations (MSCCs) established in Title 15A NCAC 2L .0411 and groundwater contamination meets the cleanup requirements for a low-risk site, but exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202.

The UST Section determines that no further action is warranted for this incident. All required actions have been completed. On October 31, 2017, the UST Section received a certified copy of the Notice of Residual Petroleum which is filed with the Robeson County Register of Deeds (Bk: D2108, Pg: 233-237). On March 26, 2018, the UST Section was provided with proof of receipt of the conditional Notice of No Further Action letter or of refusal by the addressee to accept delivery of the letter or with a description of the way the letter was posted.

This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a) you have a continuing obligation to notify the Department of Environmental Quality of any changes that might affect the risk or land use classifications that have been assigned.

Be advised that as groundwater contamination exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202, groundwater within the area of contamination or within the area where groundwater contamination is expected to migrate is not suitable for use as a water

supply. Be advised that as soil contamination exceeds the residential MSCCs, the property containing the contamination (Figure 1 in attached Notice of Residual Petroleum) is suitable only for restricted residential use (The term "residential is inclusive of, but not limited to, private houses, apartment complexes, schools, nursing homes, parks, recreation areas and day care centers), as stipulated in the Notice of Residual Petroleum.

Interested parties may examine the incident file by contacting this regional office and may submit comments on the site to the regional office at the address or telephone number listed below.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,

Kenneth E. Currie, Hydrogeologist
Fayetteville Regional Office
UST Section, Division of Waste Management

Attachment:
Notice of Residual Petroleum (recorded November 1, 2017)

c: Mrs. Kimberly L. Cook, NCCP, Ramsaur & McLean, P.A., Lumberton, NC *(email copy)*
Mr. William J. Smith, Director, Robeson County Health Department *(email copy)*
Mr. Art Barnhardt, L.G., BDX Environmental, 11341 NC Hwy. 53 West, White Oak, NC *(email copy)*
Mr. Zachary Kinlaw, EHC Environmental, P.O. Box 902, Red Springs, NC *(email copy)*
Mr. Wayne Randolph, Regional Supervisor, NCDEQ-DWM-UST Section *(email copy)*

2017009349
ROBESON CO, NC FEE $26.00
PRESENTED & RECORDED:
11-01-2017 11:34:52 AM
VICKI L LOCKLEAR
REGISTER OF DEEDS
BY: YOLANDA WILLIAMS
DEPUTY
BK: D 2108
PG: 233-237

HOLD FOR: DAVID J. RAMSAUR

NOTICE OF RESIDUAL PETROLEUM

Parcel Identification Number: 839691084800, Robeson County, North Carolina

The property that is the subject of this Notice (hereinafter referred to as the "Site") contains residual petroleum and is an Underground Storage Tank (UST) incident under North Carolina's Statutes and Regulations, which consist of N.C.G.S. 143-215.94 and regulations adopted thereunder. This Notice is part of a remedial action for the Site that has been approved by the Secretary (or his/her delegate) of the North Carolina Department of Environment and Natural Resources (or its successor in function), as authorized by N.C.G.S. Section 143B-279.9 and 143B-279.11. The North Carolina Department of Environment and Natural Resources shall hereinafter be referred to as "DENR".

NOTICE

Petroleum product was released and/or discharged at the Site. **Petroleum constituents remain on the site, but are not a danger to public health and the environment, provided that the restrictions described herein, and any other measures required by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, are strictly complied with.** This "Notice of Residual Petroleum" is composed of a description of the property, the location of the residual petroleum and the land use restrictions on the Site. The Notice has been approved and notarized by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11 and has/shall be recorded at the Robeson County Register of Deeds' office Book 2107, Page 464.

Source Property

Elizabeth M. Odom of Lumberton, North Carolina is the owner in fee simple of all or a portion of the Site, which is located in the County of Robeson, State of North Carolina, and is known and legally described as:

Parcel Identification Number: 839691084800; Map No.: 11030200501D

Maxton Township, Robeson County, North Carolina.

All that certain tract or parcel of land lying about 1 mile Southeast of the City of Maxton, N.C., south of and adjacent to SR 1303 (McCaskill Ave) and adjoining the lands of Elizabeth Odum, et al (13-L/138)(428/218) on the west, SR 1364 (Gentry Rd) on the south, US-74 and Bruce Thompson (1985/191) on the west, and being more particularly described as follow:

BEGINNING at a found iron pipe in the southern right of way of SR 1303 (McCaskill Ave), said iron pipe being located North 29 degrees 43 minutes 57 seconds West 125.19 feet from a found iron pipe; said iron pipe also being located North 55 degrees 06 minutes 34 seconds East 50.21 feet from a found iron pipe, the northern corner of Betty Vaughan (824/75); thence from said beginning and with said right of way North 60 degrees 25 minutes 53 seconds East 143.39 feet to a set iron rod; thence North 60 degrees 25 minutes 53 seconds East 50.52 feet to a found concrete right of way monument; thence with said right of way North 60 degrees 13 minutes 57 seconds East 362.34 feet to a found concrete right of way monument in the western right of way line of US 74; thence with said western right of way line with a curve to the right, having a radius of 2,693.79 feet, South 43 degrees 44 minutes 11 seconds East 267.53 feet to a found concrete right of way monument; thence with said right of way South 38 degrees 54 minutes 20 seconds East 291.15 feet to a found concrete right of way monument, the northeast corner of Bruce Thompson (1985/191); thence leaving said right of way and with the northern line of said Thompson North 84 degrees 24 minutes 45 seconds West 185.34 feet to a found iron pipe, the northwest corner of Bruce Thompson (1985/191); thence with the western line of said Thompson South 05 degrees 34 minutes 08 seconds West 227.01 feet to a found iron pipe; thence North 84 degrees 18 minutes 29 seconds West 538.15 feet to a set iron rod; thence with a new line North 16 degrees 37 minutes 53 seconds West 156.70 feet to a set iron rod; thence North 02 degrees 57 minutes 18 seconds West 40.00 feet to a found iron pipe, the northernmost corner of Sarah West (18-Y/125); thence with said West line South 60 degrees 32 minutes 31 seconds West 24.95 feet to a set iron rod; thence with a new line North 29 degrees 45 minutes 37 seconds West 122.82 feet; thence North 55 degrees 06 minutes 34 seconds East 25.11 feet to the point of Beginning containing 7.25 acres, more or less.

And being a portion of the tract conveyed by Ernest Odum and wife Theresa Odum to Wilton McRae and wife Ernestine McRae by deed dated February 5, 1960 and recorded in Deed Book 13-H, page 255, Robeson County Registry.

And being a portion of the tract conveyed by Theresa Sims Odum to Wilton McRae and wife Ernestine O. McRae by deed dated August 27, 1977 and recorded in Deed Book 428, page 218, Robeson County Registry.

This property is exempt from the Robeson County Subdivision Ordinance under Article V, Section 501, Item h.

Bearings referenced to Deed Book 927, page 678.

For further source of title, reference is made to Will of Ernestine O. McRae, probated in Estate File 15 E 43, Office of the Clerk of Superior Court of Robeson County, North Carolina.

For protection of public health and the environment, the following land use restrictions required by N.C.G.S. Section 143B-279.9(b) shall apply to all of the above-described real property. These restrictions shall continue in effect as long as residual petroleum remains on the site in excess of unrestricted use standards and cannot be amended or cancelled unless and until the Robeson County Register of Deed receives and records the written concurrence of the Secretary (or his/her delegate) of DENR (or its successor in function).

PERPETUAL LAND USE RESTRICTIONS

Soil: *Soil containing residual petroleum above applicable regulatory standard(s) remains on the site in the area identified in Figure 1. No soil shall be excavated or disturbed within 5 feet of the area identified in Figure 1 except to remediate the soil in accordance with all applicable state and federal statutes, regulations and guidelines.*

Groundwater: *Groundwater from the site is prohibited from use as a water supply. Water supply wells of any kind shall not be installed or operated on the site.*

ENFORCEMENT

The above land use restriction(s) shall be enforced by any owner, operator, or other party responsible for the Site. The above land use restriction(s) may also be enforced by DEQ through any of the remedies provided by law or by means of a civil action, and may also be enforced by any unit of local government having jurisdiction over any part of the Site. Any attempt to cancel this Notice without the approval of DEQ (or its successor in function) shall be subject to enforcement by DEQ to the full extent of the law. Failure by any party required or authorized to enforce any of the above restriction(s) shall in no event be deemed a waiver of the right to do so thereafter as to the same violation or as to one occurring prior or subsequent thereto.

IN WITNESS WHEREOF Elizabeth M. Odom has caused this Notice to be executed pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, this 31st day of October, 2017.

Elizabeth M. Odom

NORTH CAROLINA
ROBESON COUNTY

I certify that the following person(s) personally appeared before me this day, each acknowledging to me that he or she signed the foregoing document: Elizabeth M. Odom

Date: October 31, 2017

(Official Seal)

Kimberly L. Cook, Notary Public

My commission expires: March 18, 2021

Approved for the purposes of N.C.G.S. 143B-279.11

Revised January 15, 2013

Approved for the purposes of N.C.G.S. 143B-279.11

Kenneth E. Currie
(signature of Regional Supervisor)

Kenneth E. Currie acting, Regional Supervisor
(printed name of Regional Supervisor)

Fayetteville Regional Office
UST Section
Division of Waste Management
Department of Environment and Natural Resources

NORTH CAROLINA
Robeson COUNTY
(Name of county in which acknowledgment was taken)

I certify that the following person(s) personally appeared before me this day, each acknowledging to me that he or she signed the foregoing document: Kenneth E. Currie *(full printed name of Regional Supervisor)*

Date: October 31, 2017

(Official Seal)

expires: 03/18/2021

Kimberly L. Cook
(signature of Notary Public)

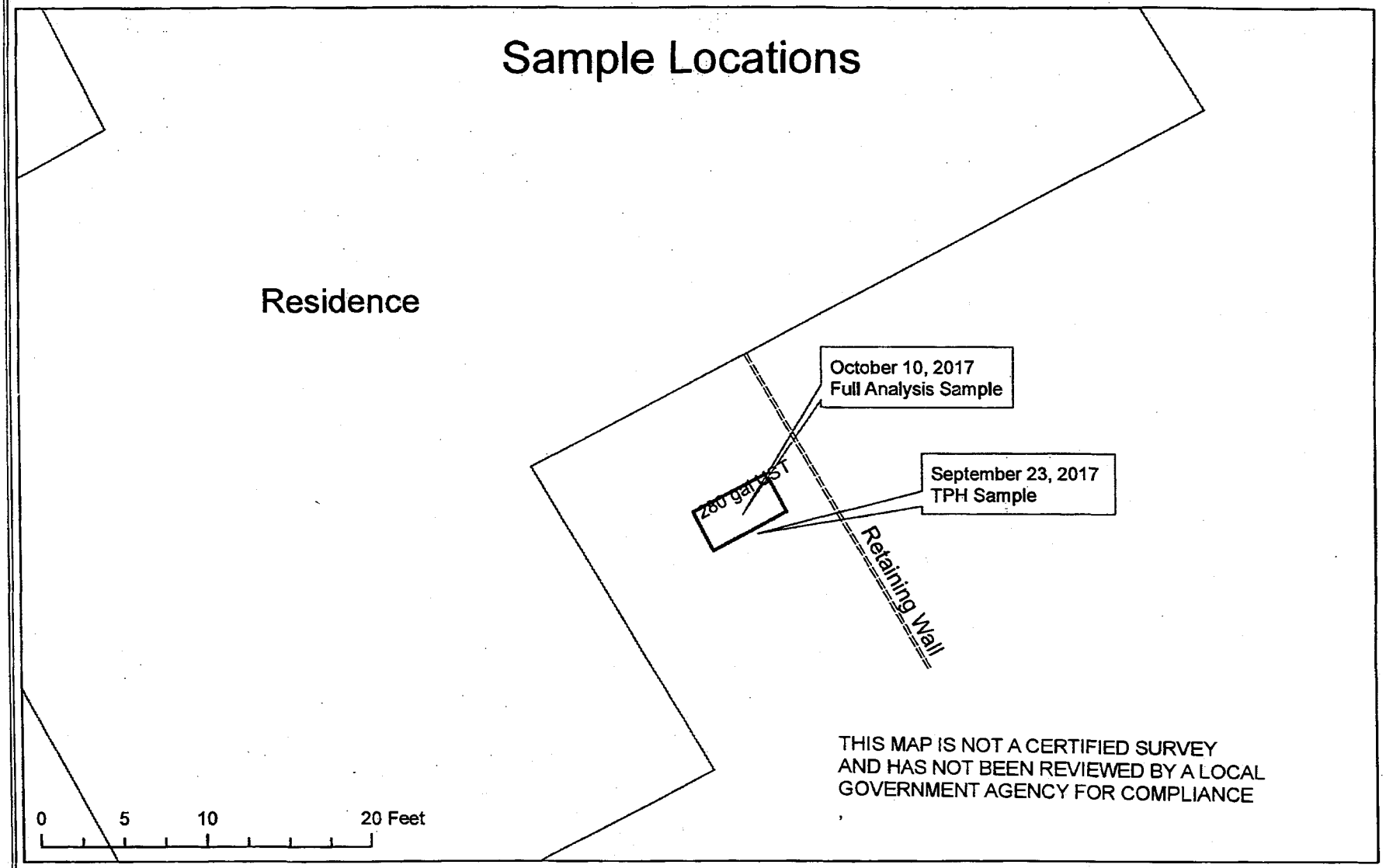
Kimberly L. Cook
(printed or typed name of Notary Public)

Notary Public

My commission

Revised January 15, 2013

Sample Locations



Time: 8:29:14 AM

N

Date: 10/27/2017

FIGURE 1

Elizabeth Odom Residence
804 McCaskill Avenue
Maxton, Robeson County, NC

BDX

A. Barnhardt
BDX Environmental, PLLC

Book 2108 Page 237

ROY COOPER
Governor
MICHAEL S. REGAN
Secretary
MICHAEL SCOTT
Director

NORTH CAROLINA
Environmental Quality

October 24, 2018

Mark Warren
Oak Island Transport, LLC.
232 NE 33rd Street
Oak Island NC 28465

Re: Notice of No Further Action
15A NCAC 2L .0106
Corrective Action

Oak Island Transport Spill
Hwy 74, Maxton,
Robeson County, NC
Incident Number: 92139

Dear Mr. Warren:

The UST Section, Division of Waste Management, Fayetteville Regional Office has reviewed records on file for the above incident. This review indicates that soil contamination does not equal or exceed soil-to-groundwater maximum contaminant concentrations.

Based on information provided to date, the UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,

Wayne Randolph
Regional Supervisor
UST Section, Division of Waste Management, NCDEQ

cc: Robeson County Health Department, 460 Country Club Road Lumberton, NC 28360
Art Barnhardt (email)

UST Permit

Underground Storage Tank Operating Permit Certificate

Department of Environmental Quality — Division of Waste Management

Ownership of USTs:

AW SOUTHERN PROPERTIES, INC.
207 MIDDLE STREET
C/O GAS TOWN INC,JENNIFER BARROW
MAXTON, NC 28364

UST Facility:

SHORT STOP MART
504 WEST MARTIN LUTHER KING R
MAXTON, NC 28364

This operating permit is valid from: Apr 6, 2023 and will expire on the last day of the month of:

03/2024

This permit is only valid for the tanks listed in the table below:

Tank Id	Install Date	Capacity	Product Name	Product Detail
NL-2	5/8/79	4,000	Gasoline, Gas Mix	Mid-Grade
REG-1	5/8/79	8,000	Gasoline, Gas Mix	Regular
SNL-3	5/8/79	4,000	Gasoline, Gas Mix	Premium

Facility ID #: 00-0-0000018092 **Certificate #: 20230341301**

Pursuant to the General Statutes 143-215.94U(c), no person shall place a petroleum product, and no owner or operator shall cause a petroleum product to be placed, into an underground storage tank at a facility for which the owner or operator does not hold a currently valid operating

Permit certificate must be placed at the above-referenced facility in an area that is visible to the fuel delivery driver.

North Carolina
Department of Environmental Quality
Underground Storage Tank
UST-10B

Printed: 4/15/2021 6:32 PM
Inspection Result: Passed
Partial Inspection: No

Inspection Date: 4/15/2021
Arrive and Depart Times: 8:50 AM-9:20 AM

Facility ID:	00-0-0000018540	**Inspector**	Pamela Harrelson
Facility Name	NICS PIC KWIK #16	**Insp. Type**	Compliance
Facility Address	150A W MARTIN LUTHER KING JR DR MAXTON, NC 28364 Robeson County **Located facility, USTs onsite**	**Reason(s)**	Routine Compliance
		Location	34.73605, -79.35096
		Permit Exp.	12/31/2021
Facility Phone	(910) 844-3939		

CONTACTS

Contact Type	Contact Information
Owner Auth Rep since 12/28/2016	CHARLES (DEAN) NICHOLS JR, 11761 MCCALL ROAD LAURINBURG, NC 28352, Phone: (910) 277-0050
Primary Operator since 11/6/2017	CHARLES (DEAN) NICHOLS JR, 11761 MCCALL ROAD LAURINBURG, NC 28352, Phone: (910) 277-0050 Trained: Yes, 11/6/2017, Training Type:Inspection
Regulatory Operator since 12/28/2016	NIC'S PIC KWIK, INC. , PO BOX 1206 LAURINBURG, NC 28353-1206, Phone: (910) 277-0050, Email: nicspickwick@yahoo.com
Owner since 12/28/2016	NIC'S PIC KWIK, INC. , PO BOX 1206 LAURINBURG, NC 28353-1206, Phone: (910) 277-0050, Email: nicspickwick@yahoo.com

OWNERSHIP CHANGE

New Owner	Change Date	Basis	Transfer of Ownership Form (UST-15) Submitted

EMERGENCY RESPONSE

Emergency response placard with emergency response operator contact information is posted in the dispensing areas if the dispensers are left on without an attendant present?	N/A

OTHER PARTICIPANTS

Name	Organization
JOHN GRICE	EVANS ENVIRONMENTAL
HUNTER EVANS, JR	EVANS ENVIROMENTAL

INSPECTOR COMMENTS

Type	Date	Comment

ADDITIONAL INSPECTOR COMMENTS

TANKS AND PIPING INFORMATION

Tanks	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
Tank ID	Diesel	Kerosene	Premium	Regular 1
TIMS Tank ID	5	4	3	1
Is tank registered?	Yes	Yes	Yes	Yes
Date tank installed	5/7/1980	5/7/1980	5/7/1980	5/7/1980
Capacity of Tank in Gallons	10000	10000	10000	12000
Diameter (Inches)				
Tank / Product use	Motor Fuel	Motor Fuel	Motor Fuel	Motor Fuel

Product stored in Tank	Diesel	Kerosene, Kero Mix	Gasoline, Gas Mix	Gasoline, Gas Mix
Product Detail	BLANK	BLANK	Premium	Regular
If hazardous substance, CAS# or description				
If other, description				
Tank status	Current	Current	Current	Current
Tank closure report submitted				
Date tank last operated				
Inches of product in Tank				
Compartment tank	No	No	No	No
Other compartment(s)				
Base compartment				
Manifolded tank	No	No	No	No
Manifolded with tank(s)				
Master manifold tank				
New Tank System installed in accordance with NC or MI				
Tank Construction Material (DW required after 11/1/07)	Single Wall Steel	Single Wall Steel	Single Wall Steel	Single Wall Steel
If other, description				
Tank Manufacturer/Model	Unknown	Unknown	Unknown	Unknown
If other, describe				
Tank material verified by	UST-7A/B	UST-7A/B	UST-7A/B	UST-7A/B
Date Pipe Installed	1/19/2007	1/19/2007	1/19/2007	1/19/2007
Was UST Piping Installed on or after 11/1/2007?	No	No	No	No
Piping Construction Material (DW required after 11/1/07)	Single Wall Flex	Single Wall Flex	Single Wall Flex	Single Wall Flex
If other, description				
Pipe Manufacturer/Model	Environ: GeoFlex	Environ: GeoFlex	Environ: GeoFlex	Environ: GeoFlex
If other, describe				
Pipe material verified by	Visual	Visual	Visual	Visual
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?	N/A	N/A	N/A	N/A

Tanks	Tank #5(Regular 2)			
Tank ID	Regular 2			
TIMS Tank ID	2			
Is tank registered?	Yes			
Date tank installed	5/7/1980			
Capacity of Tank in Gallons	12000			
Diameter (Inches)				
Tank / Product use	Motor Fuel			

Tanks	Tank #5(Regular 2)			
Tank ID	Regular 2			
Product stored in Tank	Gasoline, Gas Mix			
Product Detail	Regular			
If hazardous substance, CAS# or description				
If other, description				
Tank status	Current			
Tank closure report submitted				
Date tank last operated				
Inches of product in Tank				
Compartment tank	No			
Other compartment(s)				
Base compartment				
Manifolded tank	No			
Manifolded with tank(s)				
Master manifold tank				
New Tank System installed in accordance with NC or MI				
Tank Construction Material (DW required after 11/1/07)	Single Wall Steel			
If other, description				
Tank Manufacturer/Model	Unknown			
If other, describe				
Tank material verified by	UST-7A/B			
Date Pipe Installed	1/19/2007			
Was UST Piping Installed on or after 11/1/2007?	No			
Piping Construction Material (DW required after 11/1/07)	Single Wall Flex			
If other, description				
Pipe Manufacturer/Model	Environ: GeoFlex			
If other, describe				
Pipe material verified by	Visual			
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?	N/A			

CORROSION PROTECTION

Tank Corrosion Protection	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
DWM notified of current CP method	Yes	Yes	Yes	Yes
Integrity assessment performed after 3/1/06	No	No	No	No

CP Method 1	Impressed Current	Impressed Current	Impressed Current	Impressed Current
if other, Description				
CP Installation Date	3/15/1993	3/15/1993	3/15/1993	3/15/1993
CP Method 2				
if other, Description				
CP Installation Date				
Flex Connector , Piping Extensions, and/or other metal fittings Present	Elbow, Ball Valve	Elbow, Ball Valve	Elbow, Ball Valve	Elbow, Ball Valve
Flex connector isolated from ground	N/A	N/A	N/A	N/A
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual	Visual	Visual
if other, Description				
Submersible pump (STP) is isolated from ground	Yes	Yes	Yes	Yes
Piping extensions and/or other metal fittings are isolated from ground	Yes	Yes	Yes	Yes
Flex connector, STP and/or other metal fittings protected from corrosion	Yes	Yes	Yes	Yes
Corrosion protection method	Isolated	Isolated	Isolated	Isolated
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date	3/15/1993	3/15/1993	3/15/1993	3/15/1993
Dielectric Coating Installed (If tank installed after 12/22/88	N/A	N/A	N/A	N/A

Tank Corrosion Protection	Tank #5(Regular 2)			
DWM notified of current CP method	Yes			
Integrity assessment performed after 3/1/06	No			
CP Method 1	Impressed Current			
if other, Description				
CP Installation Date	3/15/1993			
CP Method 2				
if other, Description				
CP Installation Date				
Flex Connector , Piping Extensions, and/or other metal fittings Present	Elbow, Ball Valve			
Flex connector isolated from ground	N/A			
Source of verification of CP for Flex	Visual			

Tank Corrosion Protection	Tank #5(Regular 2)			
DWM notified of current CP method	Yes			
Connectors, piping extensions and/or other metal fittings				
if other, Description				
Submersible pump (STP) is isolated from ground	Yes			
Piping extensions and/or other metal fittings are isolated from ground	Yes			
Flex connector, STP and/or other metal fittings protected from corrosion	Yes			
Corrosion protection method	Isolated			
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date	3/15/1993			
Dielectric Coating Installed (If tank installed after 12/22/88	N/A			

Pipe Corrosion Protection	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
DWM notified of current CP method	Yes	Yes	Yes	Yes
CP method	Flexible	Flexible	Flexible	Flexible
if other, Description				
CP Installation Date	1/19/2007	1/19/2007	1/19/2007	1/19/2007
Dielectric Coating Installed (If piping installed after 12/22/88	N/A	N/A	N/A	N/A

Pipe Corrosion Protection	Tank #5(Regular 2)			
DWM notified of current CP method	Yes			
CP method	Flexible			
if other, Description				
CP Installation Date	1/19/2007			
Dielectric Coating Installed (If piping installed after 12/22/88	N/A			

Dispenser Corrosion Protection	Dispenser #1(1/2)	Dispenser #2(3/4)	Dispenser #3(5/6)
Flex Connector , Piping Extensions, and/or other metal fittings Present	Flex Connector	Flex Connector	Flex Connector
Flex connector isolated from ground	Yes	Yes	Yes
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings	Visual	Visual	Visual
if other, Description			
Piping extensions and/or other metal fittings are	Yes	Yes	Yes

Dispenser Corrosion Protection	Dispenser #1(1/2)	Dispenser #2(3/4)	Dispenser #3(5/6)
isolated from ground			
Flex Connectors, Piping extensions and/or other metal fittings protected from corrosion	N/A	N/A	N/A
Corrosion protection method	Isolated	Isolated	Isolated
Flex connector, Piping extensions, and/or other metal fittings CP Installation Date			
Source of Information for verification of corrosion protection for Riser pipe and other metal piping	Visual	Visual	Visual
if other, Description			

CP Conclusions	
CP Requirements Met?	Yes
Issues	

Impressed Current Systems	IC System # 1
Applies to Tanks	#1(Diesel), #2(Kerosene), #3(Premium), #4(Regular 1), #5(Regular 2)
Current Voltage (Gauge)	71.0000
Current Amperage (Gauge)	5.1000
Current Voltage (Multimeter)	
Measured Shunt Voltage (mV)	
Rectifier Shunt Factor (Amps/mV)	
Amps - Calculated	
Last three 60-day readings available	Yes
System operating properly	Yes
If no, select all that apply	
If other, describe	
Hour meter reading?	44546
Hour meter installed	Yes

CP Tests	Test #1
Applies to Tanks	#5(Regular 2), #4(Regular 1), #3(Premium), #2(Kerosene), #1(Diesel)
Portion of System Tested	Tanks
Date of last Corrosion Protection Test	11/10/2020
CP Test Result	Pass
Was CP Test done in accordance with National Standard?	Yes
CP Tester Name	JOHN R SNUGGS
Certificate Number	3677
Certifying Organization	NACE
CP Testing Company Name	ENVIRO CONSULTING
CP Testing Company Phone	(704) 721-0101
As Left Voltage	71.0000
As Left Current	5.5000
UST7 form for last CP test submitted to DWM	Yes

SPILL PREVENTION

Has DWM been notified of spill methods?	Yes

Spill/Overfill Details	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
Is a drop tube present?	Yes	Yes	Yes	Yes
Type of Stage I vapor recovery?	Not Required	Not Required	Coaxial	Coaxial

Spill/Overfill Details	Tank #5(Regular 2)			

Is a drop tube present?	Yes			
Type of Stage I vapor recovery?	Coaxial			

Local Fill	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
Does Tank have a Second Fill?	No	No	No	No
Spill Protection	Catchment Basin	Catchment Basin	Catchment Basin	Catchment Basin
Is spill prevention equipment provided and verified?	Yes	Yes	Yes	Yes
Manufacturer/Model	Universal Valve: 70C-XXXX-XX Series (SW)	Universal Valve: 70C-XXXX-XX Series (SW)	Universal Valve: 70C-XXXX-XX Series (SW)	Universal Valve: 70C-XXXX-XX Series (SW)
If other, describe				
Spill bucket is double-walled?	N/A	N/A	N/A	N/A
Monitoring Type(UST-6B)				
Is spill bucket interstice monitored every 30 days? (If installed before 11/1/07)				
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)	N/A	N/A	N/A	N/A
Date spill prevention provided	3/15/1993	3/15/1993	3/15/1993	3/15/1993
Last 12 monthly spill bucket checks completed and all deficiencies corrected (UST-27)?	Yes	Yes	Yes	Yes
Is spill prevention operating properly?	Yes	Yes	Yes	Yes
If No, select all that apply				
If other, describe				
O&M walkthrough inspection completed in accordance with national standard (e.g. PEI RP 900) (UST-27)?	Yes	Yes	Yes	Yes
3 Year Tightness Test Date(UST-6D/23A)	2/27/2020	2/27/2020	2/27/2020	2/27/2020
Primary Tightness Test Result(UST-6D/23A)	Pass	Pass	Pass	Pass
Secondary Tightness Test Result(UST-6D/23A)				
Tightness Testing done in accordance with a standard?	Yes	Yes	Yes	Yes

Local Fill	Tank #5(Regular 2)			
Does Tank have a Second Fill?	No			
Spill Protection	Catchment Basin			
Is spill prevention equipment provided and verified?	Yes			
Manufacturer/Model	Universal Valve: 70C-XXXX-XX Series (SW)			
If other, describe				
Spill bucket is double-walled?	N/A			
Monitoring Type(UST-6B)				
Is spill bucket interstice monitored every 30 days? (If installed before 11/1/07)				
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)	N/A			
Date spill prevention provided	3/15/1993			
Last 12 monthly spill bucket checks completed and all deficiencies corrected (UST-27)?	Yes			
Is spill prevention operating properly?	Yes			
If No, select all that apply				
If other, describe				
O&M walkthrough inspection completed in accordance with national standard (e.g. PEI RP 900) (UST-27)?	Yes			
3 Year Tightness Test Date(UST-6D/23A)	2/27/2020			
Primary Tightness Test Result(UST-6D/23A)	Pass			
Secondary Tightness Test Result(UST-6D/23A)				
Tightness Testing done in accordance with a standard?	Yes			

OVERFILL PREVENTION

Has DWM been notified of overfill methods?	Yes

Overfill Control	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
Is overfill prevention equipment provided and verified?	Yes	Yes	Yes	Yes
Date overfill control provided	3/15/1993	3/15/1993	3/15/1993	3/15/1993
Type of overfill equipment	Auto Shutoff Device	Auto Shutoff Device	Auto Shutoff Device	Auto Shutoff Device
Source of information for overfill control verification	UST-22A	UST-22A	UST-22A	UST-22A
If other, describe				
Manufacturer/Model	EMCO Wheaton: A1100 -XXXT Testable Series (FV)	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)
If other, describe				
Is overfill control operating properly?	Yes	Yes	Yes	Yes
If No, select all that apply				
If other, describe				
Overfill check date (UST-22A)	4/18/2020	4/18/2020	4/18/2020	4/18/2020
Overfill check result (UST-22A)	Pass	Pass	Pass	Pass
Capacity of Tank in Gallons	10000	10000	10000	12000
Diameter (Inches)				

Overfill Control	Tank #5(Regular 2)			
Is overfill prevention equipment provided and verified?	Yes			
Date overfill control provided	3/15/1993			
Type of overfill equipment	Auto Shutoff Device			
Source of information for overfill control verification	UST-22A			
If other, describe				
Manufacturer/Model	OPW: 61SO Series (FV)			
If other, describe				
Is overfill control operating properly?	Yes			
If No, select all that apply				
If other, describe				
Overfill check date (UST-22A)	4/18/2020			
Overfill check result (UST-22A)	Pass			
Capacity of Tank in Gallons	12000			
Diameter (Inches)				

Dispenser Sumps	Dispenser #1(1/2)	Dispenser #2(3/4)	Dispenser #3(5/6)
Are containment sumps present?	Yes	Yes	Yes
Installation Date	3/15/1993	3/15/1993	3/15/1993
Sump Manufacturer	Environ: Disp Sump	Environ: Disp Sump	Environ: Disp Sump
If Other (Specify)			
Sump Construction Type	Single Walled	Single Walled	Single Walled
Sump Construction Material	Plastic	Plastic	Plastic
If Other (Specify)			
Are containment sumps monitored?	No	No	No
Is monitoring required per 2N .0900?	No	No	No
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	No	No
Are spills or small weeps evident in sumps?	No	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)			
UDC Visual Inspection Date(annually)(UST-22C)	4/18/2020	4/18/2020	4/18/2020
UDC Visual Inspection Results(UST-22C)	Pass	Pass	Pass
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes	Yes

Other Sumps	Sump#1(DIESEL STP)	Sump#2(KEROSENE STP)	Sump#3(PREMIUM STP)	Sump#4(REGULAR STP)
Are containment sumps present?	Yes	Yes	Yes	Yes
Installation Date	3/15/1993	3/15/1993	3/15/1993	3/15/1993
Sump Manufacturer	Environ: Tank Sump	Environ: Tank Sump	Environ: Tank Sump	Environ: Tank Sump
If Other (Specify)				
Sump Construction Type	Single Walled	Single Walled	Single Walled	Single Walled
Sump Construction Material	Plastic	Plastic	Plastic	Plastic
If Other (Specify)				
Are containment sumps monitored?	No	No	No	No
Is monitoring required per 2N .0900?	No	No	No	No
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	No	No	No
Are spills or small weeps evident in sumps?	No	No	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)				
Sump Visual Inspection Date(annually) (UST-22C)	4/18/2020	4/18/2020	4/18/2020	4/18/2020

Sump Visual Inspection Results(UST-22C)	Pass	Pass	Pass	Pass
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes	Yes	Yes	Yes

Other Sumps	Sump#5(REGULAR STP)			
Are containment sumps present?	Yes			
Installation Date	3/15/1993			
Sump Manufacturer	Environ: Tank Sump			
If Other (Specify)				
Sump Construction Type	Single Walled			
Sump Construction Material	Plastic			
If Other (Specify)				
Are containment sumps monitored?	No			
Is monitoring required per 2N .0900?	No			
Piping components and/or STP were installed/replaced on or after 11/1/07?	No			
Are spills or small weeps evident in sumps?	No			
Are single wall piping components located in containment sump? (If installed after 11/1/07)				
Sump Visual Inspection Date(annually) (UST-22C)	4/18/2020			
Sump Visual Inspection Results(UST-22C)	Pass			
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?	Yes			

SITING AND SECONDARY CONTAINMENT

Siting And Sec.Containment-General	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)

UST system upgraded with corrosion protection, spill and overfill before 1/1/91?	N/A	N/A	N/A	N/A
UST system and/or piping are located within siting and secondary containment areas?	No	No	No	No

Siting And Sec.Containment-General	Tank #5(Regular 2)			
UST system upgraded with corrosion protection, spill and overfill before 1/1/91?	N/A			
UST system and/or piping are located within siting and secondary containment areas?	No			

LEAK DETECTION

General	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
DWM notified of leak detection method?	Yes	Yes	Yes	Yes
Piping Type				
Piping type	Pressurized System	Pressurized System	Pressurized System	Pressurized System
Suction check type				
Type LLD present.	MLLD	MLLD	MLLD	MLLD
Tank Release Detection				
Primary leak detection method	Automatic Tank Gauging	Automatic Tank Gauging	Automatic Tank Gauging	Automatic Tank Gauging
if other, specify				
Primary LD install date	12/22/1993	12/22/1993	12/22/1993	12/22/1993
Secondary leak detection method				
if other, specify				
Piping Release Detection				
Primary leak detection method	Line Tightness Testing (LTT)	Line Tightness Testing (LTT)	Line Tightness Testing (LTT)	Line Tightness Testing (LTT)
if other, specify				
Primary LD install date	12/22/1993	12/22/1993	12/22/1993	12/22/1993
Secondary leak detection method				
if other, specify				
Equipment Checks				
Last 12 monthly RD equipment checks completed and all deficiencies corrected (UST-27)?	Yes	Yes	Yes	Yes

if no, select all that apply				
Annual RD equipment operability check result (UST-22B)	Pass	Pass	Pass	Pass
if Fail, select all that apply				
Annual RD equipment operability check date (UST-22B)	4/18/2020	4/18/2020	4/18/2020	4/18/2020
RD equipment checks completed per national standard (e.g. PEI RP 900/1200) (UST-22B/27)?	Yes	Yes	Yes	Yes

General	Tank #5(Regular 2)			
DWM notified of leak detection method?	Yes			
Piping Type				
Piping type	Pressurized System			
Suction check type				
Type LLD present.	MLLD			
Tank Release Detection				
Primary leak detection method	Automatic Tank Gauging			
if other, specify				
Primary LD install date	12/22/1993			
Secondary leak detection method				
if other, specify				
Piping Release Detection				
Primary leak detection method	Line Tightness Testing (LTT)			
if other, specify				
Primary LD install date	12/22/1993			
Secondary leak detection method				
if other, specify				
Equipment Checks				
Last 12 monthly RD equipment checks completed and all deficiencies corrected (UST-27)?	Yes			
if no, select all that apply				
Annual RD equipment operability check result (UST-22B)	Pass			
if Fail, select all that				

General	Tank #5(Regular 2)			
DWM notified of leak detection method?	Yes			
apply				
Annual RD equipment operability check date (UST-22B)	4/18/2020			
RD equipment checks completed per national standard (e.g. PEI RP 900/1200) (UST-22B/27)?	Yes			

PIPING LEAK DETECTION

Pressurized Piping	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
Last MLLD/ELLD Test Date	4/18/2020	4/18/2020	4/18/2020	4/18/2020
MLLD/ELLD Test Result	Pass	Pass	Pass	Pass
Last LTT Test Date	4/18/2020	4/18/2020	4/18/2020	4/18/2020
LTT Test Result	Pass	Pass	Pass	Pass
Does test result indicatesuspected release?	No	No	No	No
Number of MLLD/ELLD Types	1	1	1	1

Pressurized Piping	Tank #5(Regular 2)			
Last MLLD/ELLD Test Date	4/18/2020			
MLLD/ELLD Test Result	Pass			
Last LTT Test Date	4/18/2020			
LTT Test Result	Pass			
Does test result indicatesuspected release?	No			
Number of MLLD/ELLD Types	1			

MLLD/ELLD Equipment	Tank #1(Diesel) LLD #1	Tank #2(Kerosene) LLD #1	Tank #3(Premium) LLD #1	Tank #4(Regular 1) LLD #1
MLLD/ELLD Manufacturer/Model	V-R/RJ: FX1DV (M)	V-R/RJ: FX1DV (M)	V-R/RJ: DLD (M)	V-R/RJ: FX1V (M)
If other, describe				
MLLD/ELLD Third Party Certified?	Yes	Yes	Yes	Yes

MLLD/ELLD Equipment	Tank #5(Regular 2) LLD #1			
MLLD/ELLD Manufacturer/Model	V-R/RJ: FX1V (M)			
If other, describe				
MLLD/ELLD Third Party Certified?	Yes			

MLLD/ELLD Testers	MLLD/ELLD Tester #1

MLLD/ELLD Testers	MLLD/ELLD Tester #1
MLLD/ELLD Tester Name	BLAKE JORDAN
MLLD/ELLD Testing Company Name	PTS, INC
MLLD/ELLD Testing Company Phone Number	(800) 533-8033

Pressurized Piping LTT	LTT #1
LTT Manufacturer/Method	AcuRite: Training & Serv
If other, describe	
LTT Third Party Certified?	Yes

Pressurized Piping LTT Tester	LTT Tester #1
LTT Tester Name	BLAKE JORDAN
LTT Testing Company Name	PTS, INC
LTT Testing Company Phone Number	(800) 533-8033

AUTOMATIC TANK GAUGE

ATG Systems	ATG #1
ATG Manufacturer/Model	V-R: TLS-350 (CAP)
If other, describe	
ATG Third Party Certified?	Yes
Is ATG console operational?	Yes
Tanks	#1(Diesel), #2(Kerosene), #3(Premium), #4(Regular 1), #5(Regular 2)

ATG Monthly LD	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
2021 Apr	Pass	Pass	Pass	Pass
2021 Mar	Pass	Pass	Pass	Pass
2021 Feb	Pass	Pass	Pass	Pass
2021 Jan	Pass	Pass	Pass	Pass
2020 Dec	Pass	Pass	Pass	Pass
2020 Nov	Pass	Pass	Pass	Pass
2020 Oct	Pass	Pass	Pass	Pass
2020 Sep	Pass	Pass	Pass	Pass
2020 Aug	Pass	Pass	Pass	Pass
2020 Jul	Pass	Pass	Pass	Pass
2020 Jun	Pass	Pass	Pass	Pass
2020 May	Pass	Pass	Pass	Pass

ATG Monthly LD	Tank #5(Regular 2)			
2021 Apr	Pass			
2021 Mar	Pass			
2021 Feb	Pass			
2021 Jan	Pass			
2020 Dec	Pass			
2020 Nov	Pass			
2020 Oct	Pass			
2020 Sep	Pass			
2020 Aug	Pass			
2020 Jul	Pass			
2020 Jun	Pass			
2020 May	Pass			

ATG Conclusions	
Leak Detection Requirements Met?	Yes
Do the results indicate a suspected release?	
Issues	

REPAIRS

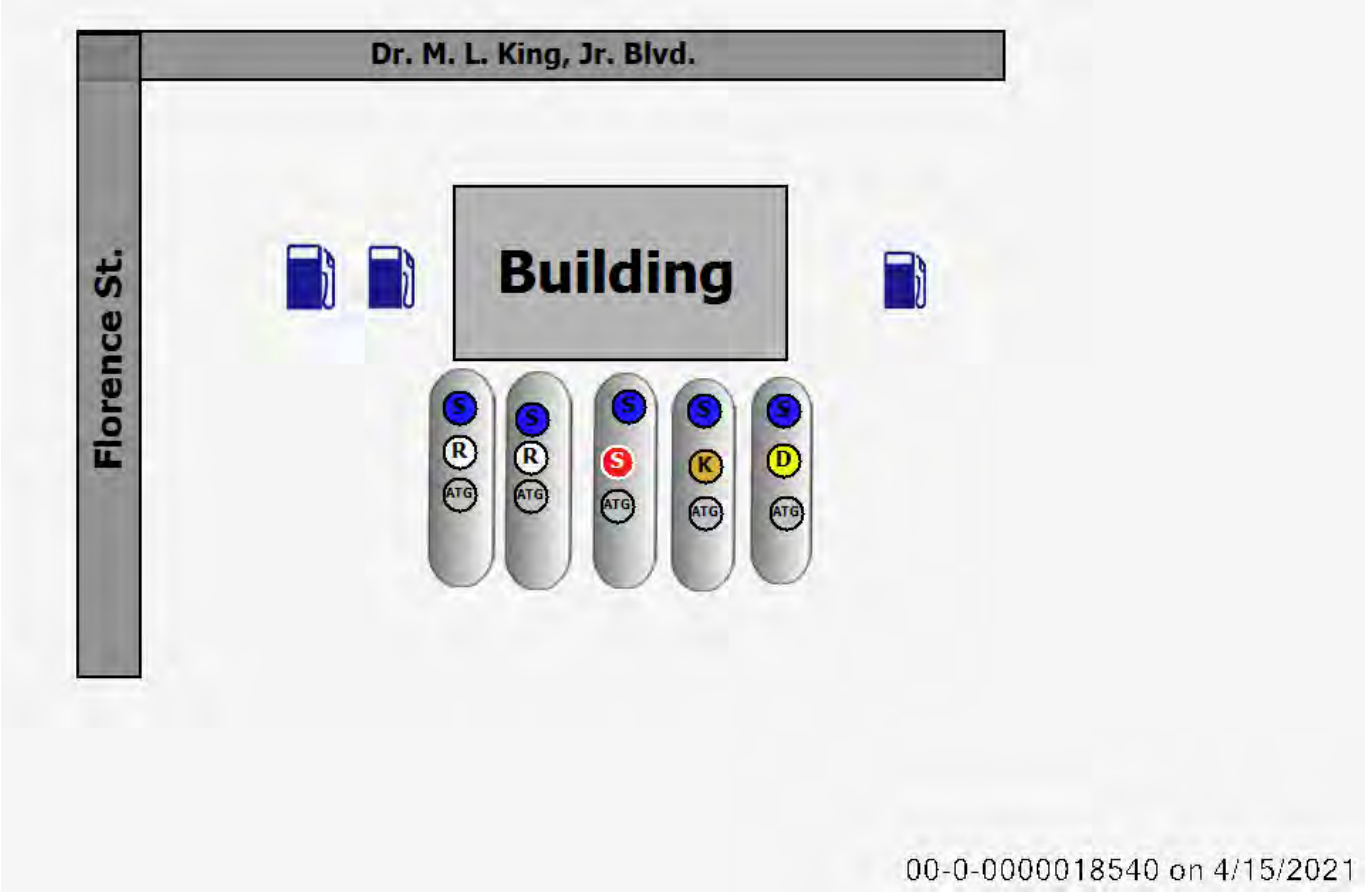
Repairs	
Any Repair Issues?	No
Issues	

TRANSPORTER/FUEL DELIVERY INFORMATION

Delivery Information	Tank #1(Diesel)	Tank #2(Kerosene)	Tank #3(Premium)	Tank #4(Regular 1)
All deliveries made to permitted tanks	Yes	Yes	Yes	Yes

Delivery Information	Tank #5(Regular 2)			
All deliveries made to permitted tanks	Yes			

SITE DIAGRAM 1



North Carolina
Department of Environmental Quality
Underground Storage Tank
UST-10B

Printed: 3/2/2021 10:31 PM
Inspection Result: Passed
Partial Inspection: No

Inspection Date: 2/25/2021
Arrive and Depart Times: 10:00 AM-10:20 AM

Facility ID:	00-0-0000035880	**Inspector**	Pamela Harrelson
Facility Name	MOMS FISH & FRY	**Insp. Type**	Compliance
Facility Address	201 WILMINGTON STREET MAXTON, NC 28364 Robeson County **Located facility, USTs onsite**	**Reason(s)**	Routine Compliance
		Location	34.73752, -79.34802
		Permit Exp.	9/30/2007
Facility Phone	(910) 844-2270		

CONTACTS

Contact Type	Contact Information
Owner since 10/4/2002	ANITA L HALE, 201 WILMINGTON STREET MAXTON, NC 28364-1841, Phone: (910) 844-8779
Regulatory Operator since 10/4/2002	ANITA L HALE, 201 WILMINGTON STREET MAXTON, NC 28364-1841, Phone: (910) 844-8779
Manager since 9/18/2009	CLARENCE WOODS, 201 WILMINGTON STREET MAXTON, NC 28364, Phone: (910) 844-8779
Primary Operator since 3/2/2021	JAMES MCDOUGAL, 106 E CENTRAL ST MAXTON, NC 28364 Trained: Yes, 3/2/2021, Training Type:Inspection
Inspection Contact since 7/16/2013	James McDougal, 106 East Central St. Maxton, NC 28364, Phone: (336) 462-6966

OWNERSHIP CHANGE

New Owner	Change Date	Basis	Transfer of Ownership Form (UST-15) Submitted

EMERGENCY RESPONSE

Emergency response placard with emergency response operator contact information is posted in the dispensing areas if the dispensers are left on without an attendant present?	N/A

OTHER PARTICIPANTS

Name	Organization

INSPECTOR COMMENTS

Type	Date	Comment

ADDITIONAL INSPECTOR COMMENTS
TANKS IN TEMP CLOSURE.

TANKS AND PIPING INFORMATION

Tanks	Tank #1(1)	Tank #2(2)
Tank ID	1	2
TIMS Tank ID	1	2
Is tank registered?	Yes	Yes
Date tank installed	11/24/1998	11/24/1998
Capacity of Tank in Gallons	6000	4000
Diameter (Inches)		
Tank / Product use	Motor Fuel	Motor Fuel
Product stored in Tank	Gasoline, Gas Mix	Gasoline, Gas Mix
Product Detail	BLANK	BLANK

Tanks	Tank #1(1)	Tank #2(2)
If hazardous substance, CAS# or description		
If other, description		
Tank status	Temporarily Closed	Temporarily Closed
Tank closure report submitted		
Date tank last operated	9/30/2007	9/30/2007
Inches of product in Tank	0.000000	0.000000
Compartment tank	No	No
Other compartment(s)		
Base compartment		
Manifolded tank	No	No
Manifolded with tank(s)		
Master manifold tank		
New Tank System installed in accordance with NC or MI	Yes	Yes
Tank Construction Material (DW required after 11/1/07)	Single Wall FRP	Single Wall FRP
If other, description		
Tank Manufacturer/Model	Unknown: FRP (SW)	Unknown: FRP (SW)
If other, describe		
Tank material verified by	UST-8 with Installer Certification	UST-8 with Installer Certification
Date Pipe Installed	11/24/1998	11/24/1998
Was UST Piping Installed on or after 11/1/2007?	No	No
Piping Construction Material (DW required after 11/1/07)	Single Wall FRP	Single Wall FRP
If other, description		
Pipe Manufacturer/Model	Unknown: FRP	Unknown: FRP
If other, describe		
Pipe material verified by	Visual	Visual
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?	N/A	N/A

CORROSION PROTECTION

Tank Corrosion Protection	Tank #1(1)	Tank #2(2)
DWM notified of current CP method	Yes	Yes
Integrity assessment performed after 3/1/06	No	No
CP Method 1	FRP	FRP
if other, Description		
CP Installation Date	10/31/1998	10/31/1998
CP Method 2		
if other, Description		
CP Installation Date		
Flex Connector , Piping Extensions, and/or other metal fittings Present	None	None
Flex connector isolated from ground		
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings		
if other, Description		
Submersible pump (STP) is isolated from ground	N/A	N/A
Piping extensions and/or other metal fittings are isolated from ground		
Flex connector, STP and/or other metal fittings protected from corrosion		
Corrosion protection method	None	None
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date	11/24/1998	11/24/1998
Dielectric Coating Installed (If tank installed after 12/22/88	N/A	N/A

Pipe Corrosion Protection	Tank #1(1)	Tank #2(2)
DWM notified of current CP method	Yes	Yes

Pipe Corrosion Protection	Tank #1(1)	Tank #2(2)
CP method	FRP Piping	FRP Piping
if other, Description		
CP Installation Date	10/31/1998	10/31/1998
Dielectric Coating Installed (If piping installed after 12/22/88	N/A	N/A

Dispenser Corrosion Protection	Dispenser #1(PREMIUM)	Dispenser #2(REGULAR)	Dispenser #3(REGULAR)
Flex Connector , Piping Extensions, and/or other metal fittings Present	None	None	None
Flex connector isolated from ground			
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings			
if other, Description			
Piping extensions and/or other metal fittings are isolated from ground			
Flex Connectors, Piping extensions and/or other metal fittings protected from corrosion			
Corrosion protection method	None	None	None
Flex connector, Piping extensions, and/or other metal fittings CP Installation Date	11/24/1998	11/24/1998	11/24/1998
Source of Information for verification of corrosion protection for Riser pipe and other metal piping	Visual	Visual	Visual
if other, Description			

CP Conclusions	
CP Requirements Met?	Yes
Issues	

SPILL PREVENTION

Has DWM been notified of spill methods?	Yes

Spill/Overfill Details	Tank #1(1)	Tank #2(2)
Is a drop tube present?	Yes	Yes
Type of Stage I vapor recovery?	Coaxial	Coaxial

Local Fill	Tank #1(1)	Tank #2(2)
Does Tank have a Second Fill?	No	No
Spill Protection	Catchment Basin	Catchment Basin
Is spill prevention equipment provided and verified?	Yes	Yes
Manufacturer/Model	OPW: POMECO Multiport Manhole (DW w/multi port sump)	OPW: POMECO Multiport Manhole (DW w/multi port sump)
If other, describe		
Spill bucket is double-walled?	N/A	N/A

Local Fill	Tank #1(1)	Tank #2(2)
Monitoring Type(UST-6B)		
Is spill bucket interstice monitored every 30 days? (If installed before 11/1/07)		
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)	N/A	N/A
Date spill prevention provided	10/31/1998	10/31/1998
Last 12 monthly spill bucket checks completed and all deficiencies corrected (UST-27)?		
Is spill prevention operating properly?	Yes	Yes
If No, select all that apply		
If other, describe		
O&M walkthrough inspection completed in accordance with national standard (e.g. PEI RP 900) (UST-27)?		
3 Year Tightness Test Date(UST-6D/23A)		
Primary Tightness Test Result(UST-6D/23A)		
Secondary Tightness Test Result(UST-6D/23A)		
Tightness Testing done in accordance with a standard?		

OVERFILL PREVENTION

Has DWM been notified of overfill methods?	Yes

Overfill Control	Tank #1(1)	Tank #2(2)
Is overfill prevention equipment provided and verified?	Yes	Yes
Date overfill control provided	10/31/1998	10/31/1998
Type of overfill equipment	Auto Shutoff Device	Auto Shutoff Device
Source of information for overfill control verification	Visual observation	Visual observation
If other, describe		
Manufacturer/Model	OPW: 61SO Series (FV)	OPW: 61SO Series (FV)
If other, describe		
Is overfill control operating properly?	Yes	Yes
If No, select all that apply		
If other, describe		
Overfill check date (UST-22A)		
Overfill check result (UST-22A)		
Capacity of Tank in Gallons	6000	4000
Diameter (Inches)		

Dispenser Sumps	Dispenser #1(PREMIUM)	Dispenser #2(REGULAR)	Dispenser #3(REGULAR)
Are containment sumps present?	Yes	Yes	Yes
Installation Date	10/31/1999	10/31/1999	10/31/1999
Sump Manufacturer	Environ: Tank Sump	Environ: Tank Sump	Environ: Tank Sump
If Other (Specify)			
Sump Construction Type	Single Walled	Single Walled	Single Walled
Sump Construction Material	Plastic	Plastic	Plastic
If Other (Specify)			
Are containment sumps monitored?	No	No	No

Dispenser Sumps	Dispenser #1(PREMIUM)	Dispenser #2(REGULAR)	Dispenser #3(REGULAR)
Is monitoring required per 2N .0900?	No	No	No
Piping components and/or STP were installed/replaced on or after 11/1/07?	No	No	No
Are spills or small weeps evident in sumps?	No	No	No
Are single wall piping components located in containment sump? (If installed after 11/1/07)			
UDC Visual Inspection Date(annually)(UST-22C)			
UDC Visual Inspection Results(UST-22C)			
Annual containment sump check completed in accordance with national standard (e.g. PEI RP 900)?			

SITING AND SECONDARY CONTAINMENT

Siting And Sec.Containment-General	Tank #1(1)	Tank #2(2)
UST system upgraded with corrosion protection, spill and overfill before 1/1/91?	N/A	N/A
UST system and/or piping are located within siting and secondary containment areas?	No	No

LEAK DETECTION

General	Tank #1(1)	Tank #2(2)
DWM notified of leak detection method?	Yes	Yes
Piping Type		
Piping type	European Suction	European Suction
Suction check type	Dispenser	Dispenser
Type LLD present.	Not Required	Not Required
Tank Release Detection		
Primary leak detection method	Not Required	Not Required
if other, specify		
Primary LD install date	10/31/1998	11/1/1998
Secondary leak detection method		
if other, specify		
Piping Release Detection		
Primary leak detection method	Not Required	Not Required
if other, specify		
Primary LD install date	10/31/1998	10/31/1998
Secondary leak detection method		
if other, specify		
Equipment Checks		
Last 12 monthly RD equipment checks completed and all deficiencies corrected (UST-27)?		
if no, select all that apply		
Annual RD equipment operability check result (UST-22B)	N/A	N/A
if Fail, select all that apply		
Annual RD equipment operability check date (UST-22B)		
RD equipment checks completed per national standard (e.g. PEI RP 900/1200) (UST-22B/27)?		

TEMPORARY CLOSURE

Temporary Closure	
Temporary Closure Requirements Met?	Yes
Issues	

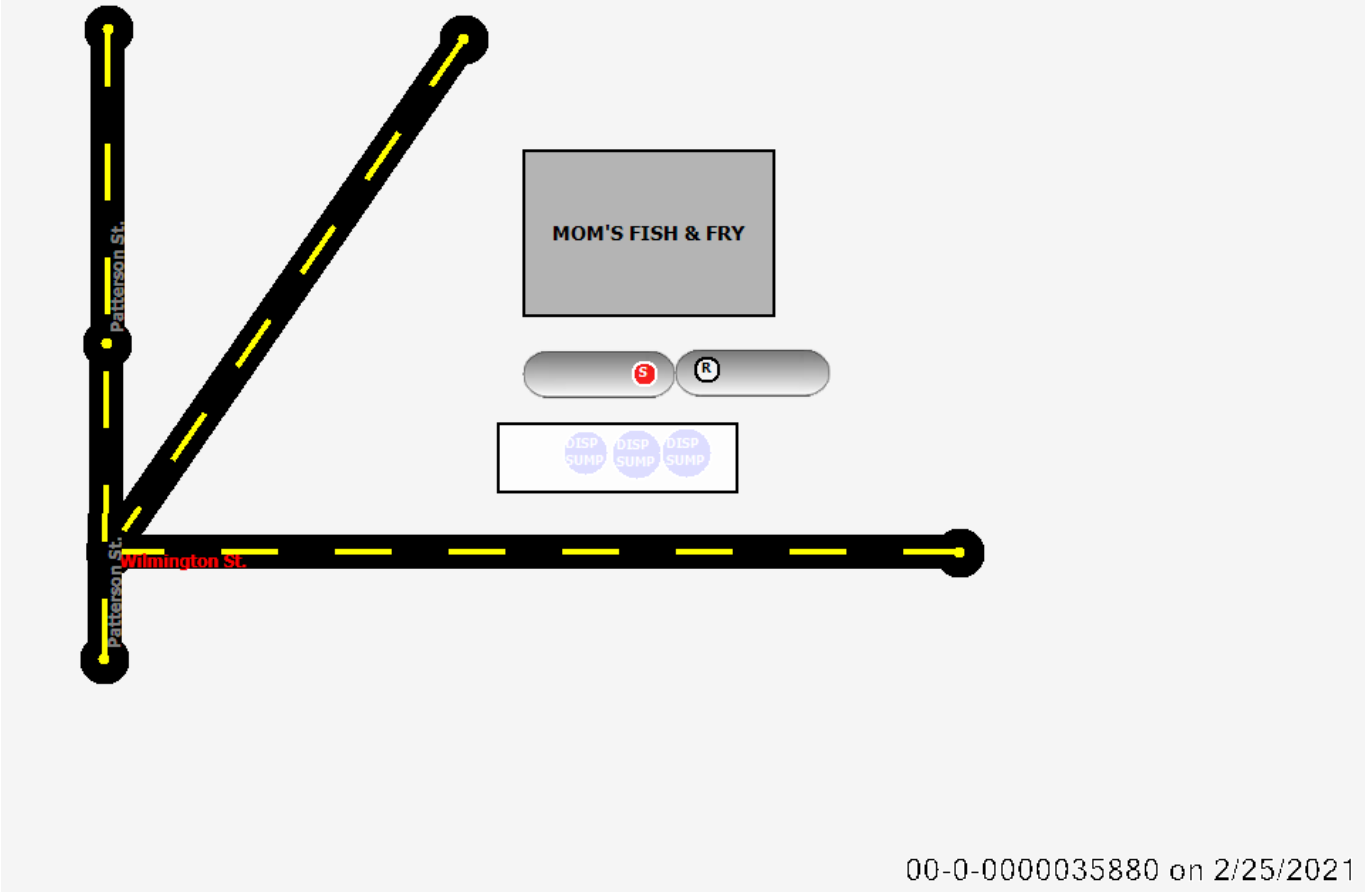
REPAIRS

Repairs	
Any Repair Issues?	No
Issues	

TRANSPORTER/FUEL DELIVERY INFORMATION

Delivery Information	Tank #1(1)	Tank #2(2)
All deliveries made to permitted tanks	N/A	N/A

SITE DIAGRAM 1



Waste Management
ENVIRONMENTAL QUALITY

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

MICHAEL SCOTT
Director

January 25, 2018

CERTIFIED MAIL 70162140000088794861
RETURN RECEIPT REQUESTED

Anita L. Hale
201 Wilmington Street
Maxton, NC 28364-1841

Re: NOTICE OF VIOLATION OF NCGS 143-215.94NN-SS(OPTR2)
Alex Mart Mom's Fish Fry
201 Wilmington Street, Maxton, NC 28364
Robeson County
Facility ID#: 00-0-0000035880

Dear Anita L. Hale:

On January 23, 2018, I conducted a compliance inspection at the above-referenced facility. I observed that underground storage tanks (USTs) at Alex Mart are not in compliance with North Carolina UST regulations (North Carolina Administrative Code [NCAC] 2N "Criteria and Standards Applicable to Underground Storage Tanks). According to those rules (15A NCAC 2N .0203) you are identified as the owner and/or operator of UST(s) at Alex Mart.

The following violations of the state rules (15A NCAC 2N) were observed on January 23, 2018 at Alex Mart. Following each violation are the actions required to correct the violations:

Violation 1: NCGS 143-215.94NN-SS OPTR2; Failure to complete Primary Operator training as required by NCGS 143-215.94NN - 143.215.94SS.

Corrective Action(s):

Please perform the following corrective action(s).

1) The Primary Operator designated for this facility must go to the following website http://tankschool.nc.gov and register for one of the next Tank School courses being conducted over the next 90 days. Tank School must be completed and a Primary Operator training certificate achieved within 90 days of receipt of this notice.

Comment: Site#00-0-0000035880: There must be a Primary Operator for this facility even if the tanks are in temporary closure.

Corrective actions must be completed and reported to the inspector at the address provided **within 30 days** of receipt of this notice, unless otherwise noted in one of the corrective actions listed above. Assessment of civil penalties may be recommended for violations described in this NOV, as well as, operating permit revocation/denial unless the violations are corrected. If you believe that the inspection findings are in error, or if you have any questions pertaining to this NOV and/or corrective actions please contact me at (910) 867-6869 or pamela.harrelson@ncdenr.gov.

Sincerely,

Pamela Harrelson, Environmental Specialist
Division of Waste Management, NC DEQ

Enclosures

cc: Michael Phelps w/ Enclosures (electronic)
Files (electronic)

North Carolina Department of Environment and Natural Resources
Underground Storage Tank NC

Printed: 7/17/2013 10:54 AM
Inspection Result: Failed
Inspection Date: 7/17/2013
Partial Inspection: No
Arrive and Depart Times: 10:15 AM-10:25 AM

Facility ID:	0-0-0000018897	**Inspector**	Pam Harrelson
Facility Name	BILL'S FAST SAVE	**Insp. Type**	Compliance
Facility Address	1401 Martin Luther King Rd. MAXTON, NC 28364 Robeson County **Facility was NOT Located**	**Reason(s)**	Routine Compliance
		Location	
		Permit Exp.	

CONTACTS

Contact Type	Contact Information
Owner since 4/21/2004	PEOPLES GAS & OIL CO INC , RAILROAD ST PO DRAWER 8 MAXTON, NC 28364-0008, Phone: (910) 844-3124

OWNERSHIP CHANGE

New Owner	Change Date	Basis	Transfer of Ownership Form (UST-15) Submitted

EMERGENCY RESPONSE

Emergency Response Operator at inspection is listed in training log?	
Emergency Response Operator log (UST-26) onsite and completed with names of trained employees?	

OTHER PARTICIPANTS

Name	Organization

INSPECTOR COMMENTS

Type	Date	Comment
Tank	7/16/2013	Note on Inspection Checklist dated 1-10-1995 in facility file states tanks were taken out of service 6-22-1992 by People's Oil and Gas per a phone conversation on 3-29-1995 with Carl Clark. Facility may be located on the corner of Florence St and Main St. No evidence of tanks on site.

TANKS AND PIPING INFORMATION

Tanks	Tank #1(1)	Tank #2(2)	Tank #3(3)
Tank ID	1	2	3
Is tank registered?	Yes	Yes	Yes
Date tank installed	5/11/1966	5/11/1966	5/8/1976
Capacity of Tank in Gallons	4000	4000	4000
Tank / Product use	Motor Fuel	Motor Fuel	Motor Fuel
Product stored in Tank	Gasoline, Gas Mix	Gasoline, Gas Mix	Gasoline, Gas Mix
if gasoline, Detail	Regular	Regular	Regular
If hazardous substance, CAS# or description			
If other, description			
Tank Status	Temporarily Closed	Temporarily Closed	Temporarily Closed
Tank closure report submitted			
Date tank last operated	3/29/1995	3/29/1995	3/29/1995
Inches of product in Tank			
Manifolded Tank	No	No	No
Manifolded with tanks			
New Tank System installed in accordance with NC or MI			
Tank Construction Material (DW required	Single Wall Steel	Single Wall Steel	Single Wall Steel

Tanks	Tank #1(1)	Tank #2(2)	Tank #3(3)
after 11/1/07)			
If other, description			
Tank material verified by			
Was UST Piping Installed on or after 11/1/2007?			
Piping Construction Material (DW required after 11/1/07)	Single Wall Steel	Single Wall Steel	Single Wall Steel
If other, description			
Pipe material verified by			
If E-blend > 10% or Biodiesel Blend > 20%; Was UST-20 completed and approved?			

CORROSION PROTECTION

Tank Corrosion Protection	Tank #1(1)	Tank #2(2)	Tank #3(3)
DWM notified of current CP method			
Integrity assessment performed after 3/1/06			
CP Method 1	None	None	None
if other, Description			
CP Installation Date			
CP Method 2			
if other, Description			
CP Installation Date			
Flex Connector , Piping Extensions, and/or other metal fittings Present			
Flex connector isolated from ground			
Source of verification of CP for Flex Connectors, piping extensions and/or other metal fittings			
if other, Description			
Submersible pump (STP) is isolated from ground			
Piping extensions and/or other metal fittings are isolated from ground			
Flex connector, STP and/or other metal fittings protected from corrosion			
Corrosion protection method			
Flex connector , Piping extensions, and/or other metal fittings CP Installation Date			
Dielectric Coating Installed (If tank installed after 12/22/88			

Pipe Corrosion Protection	Tank #1(1)	Tank #2(2)	Tank #3(3)
DWM notified of current CP method			
CP method	None	None	None
if other, Description			
CP Installation Date			
Dielectric Coating Installed (If piping installed after 12/22/88			

SPILL PREVENTION

Has DWM been notified of spill methods?	

Spill/Overfill Details	Tank #1(1)	Tank #2(2)	Tank #3(3)
Is a drop tube present?			
Type of Stage I vapor recovery?			

Local Fill	Tank #1(1)	Tank #2(2)	Tank #3(3)
Does Tank have a Remote Fill?	No	No	No
Is spill prevention equipment provided and verified?			
Spill bucket is double-walled? (If installed after 11/1/07)			
Spill bucket is isolated or made of non-corroding materials? (If installed after 11/1/07)			
Date spill prevention provided			
Is spill prevention operating properly?			

Local Fill	Tank #1(1)	Tank #2(2)	Tank #3(3)
If No, select all that apply			
If other, describe			

OVERFILL PREVENTION

Has DWM been notified of overfill methods?	

Overfill Control	Tank #1(1)	Tank #2(2)	Tank #3(3)
Is overfill prevention equipment provided and verified?			
Date overfill control provided			
Type of overfill equipment	Unknown	Unknown	Unknown
Source of information for overfill control verification			
If other, describe			
Is overfill control operating properly?			
If No, select all that apply			
If other, describe			
Annual overfill check date (If installed after 11/1/07)(UST-22A)			
Annual overfill check results(UST-22A)			

SITING AND SECONDARY CONTAINMENT

Siting And Sec.Containment-General	Tank #1(1)	Tank #2(2)	Tank #3(3)
UST system upgraded with corrosion protection, spill and overfill before 1/1/91?			
UST system and/or piping are located within siting and secondary containment areas?			

Distance to protected surface water	
Classification of protected surface water within 500 feet of UST system?	N/A
Annual well samples submitted?	
Do results indicate suspected release?	

Siting And Sec.Containment-Details	Tank #1(1)	Tank #2(2)	Tank #3(3)
For UST system installed on or before 1/1/91:			
Are tanks and/or piping located within 100 ft of PWS?			
Are tanks and/or piping located within 50 ft of HCW?			
Are tanks located 100 to 500 ft of PWS without secondary containment?			
Are tanks located 50 to 100 ft of HCW without secondary containment?			
Are tanks located within 500 ft of SW without secondary containment?			
For UST system installed after 1/1/91 & prior to May 1, 2000:			
Are tanks and/or piping located within 100 ft of PWS?			
Are tanks and/or piping located within 50 ft of HCW?			
Is Enhanced Leak Detection being conducted?			
Are tanks located 100 to 500 ft of PWS without secondary containment?			
Are tanks located 50 to 100 ft of HCW without secondary containment?			
Are tanks located within 500 ft of SW without secondary containment?			
For UST system installed prior to May 1, 2000:			
Piping located 100 to 500 ft of PWS without secondary containment?			
Piping located 50 to 100 ft of HCW without secondary containment?			
Piping located within 500 ft of SW without secondary containment?			
For UST system installed on or after May 1, 2000 & prior to November 1, 2007:			
Are tanks located 100 to 500 ft of PWS without secondary containment?			
Are tanks located 50 to 100 ft of HCW without secondary containment?			
Are tanks located within 500 ft of SW without secondary containment?			
Is piping located 100 to 500 ft of PWS without secondary containment?			
Is piping 50 to 100 ft of HCW without secondary containment?			
Is piping located within 500 ft of SW without secondary containment?			
For UST systems or components installed on or after November 1, 2007:			

Siting And Sec.Containment-Details	Tank #1(1)	Tank #2(2)	Tank #3(3)
Were tanks and/or piping installed on or after 11/1/07?			
Are tanks and/or piping located within 100 ft of PWS?			
Are tanks and/or piping located within 50 ft of HCW?			

LEAK DETECTION

General	Tank #1(1)	Tank #2(2)	Tank #3(3)
DWM notified of leak detection method?			
Piping type			
Type LLD present.			
Tank – Primary leak detection method			
Tank - if other, specify			
Tank – Secondary leak detection method			
Tank - if other, specify			
Piping - Primary leak detection method			
Piping - if other, specify			
Piping - Secondary leak detection method			
Piping - if other, specify			

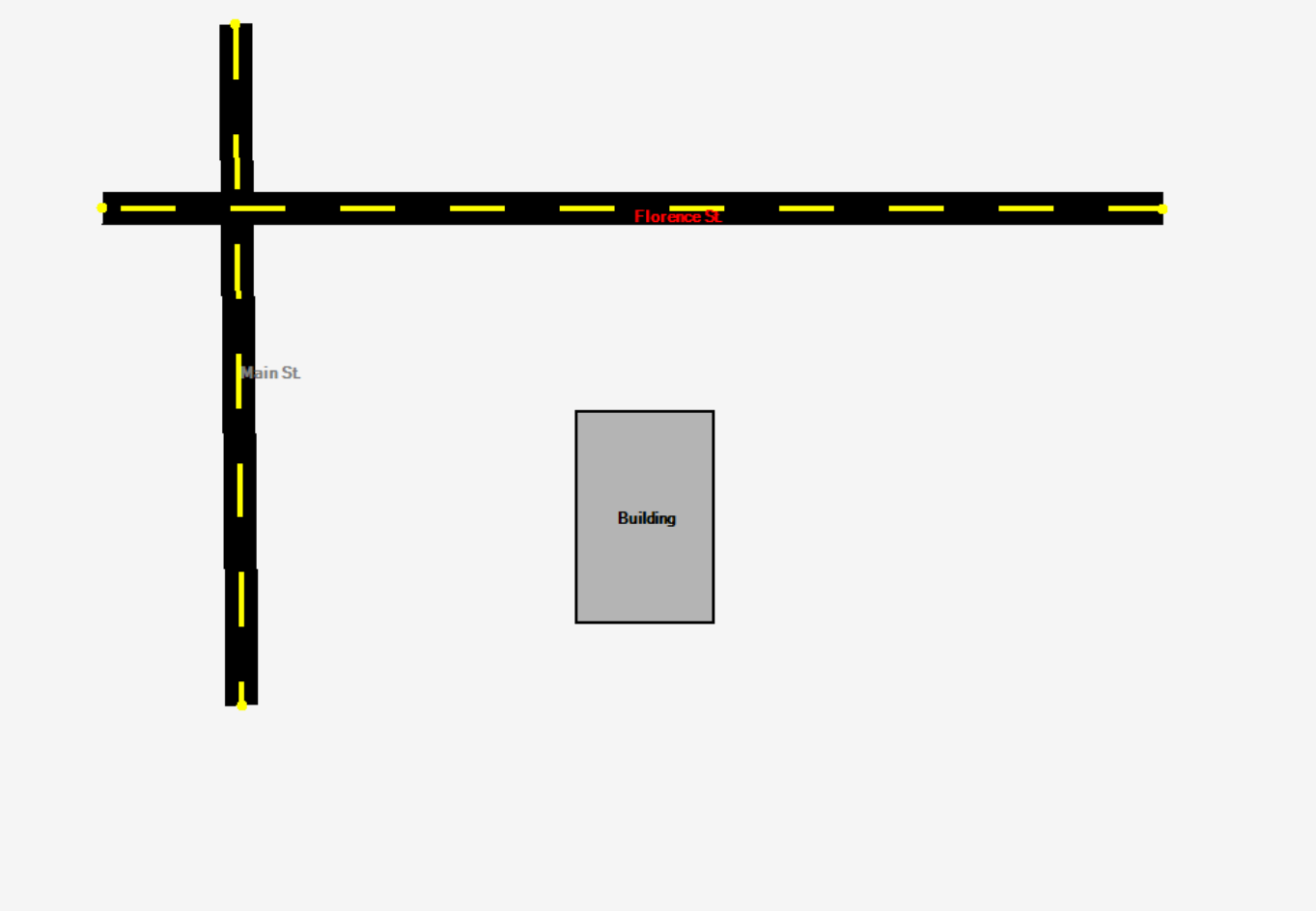
TEMPORARY CLOSURE

Temporary Closure	
Temporary Closure Requirements Met?	No
Issues	Substandard UST system (CL1)

TRANSPORTER/FUEL DELIVERY INFORMATION

Delivery Information	Tank #1(1)	Tank #2(2)	Tank #3(3)
All deliveries made to permitted tanks			

SITE DIAGRAM



Maxton SLS No. 5 Hooper St.
January 1993
Source: USGS
Legend
Holly Ct
E Henderson St
E Henderson St
E Graham St
E Graham St
N Hooper St
N Hooper St
N
200 ft
Google Earth
Image U.S. Geological Survey

Maxton SLS No. 5 Hooper St.

February 1999
Source: USGS

Maxton SLS No. 5 Hooper St.
July 2006
Source: USDA
Legend
Holly Ct
E Henderson St
E Henderson St
E Graham St
E Graham St
N Hooper St
N Hooper St
Google Earth
Image USDA/FPAC/GEO
N
200 ft

Maxton SLS No. 5 Hooper St.
December 2011
Source: Google Earth
Legend
Holly Ct
E Henderson St
E Henderson St
E Graham St
E Graham St
N Hooper St
N Hooper St
N
200 ft
Google Earth