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**NH DES Site #:
Project Type:
Project Number:**

Prepared For:

Prepared By:

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December 9, 2022

Project 061.05143.100

Mr. John Pasquale, P.G.
New Hampshire Department of Environmental Services
MtBE Remediation Bureau
29 Hazen Drive
Concord, New Hampshire 03302

Re: Underground Storage Tank System Closure Assessment
GIII Fancy Foods and Gas (NH DES Site No. 199110092)
9 White Mountain Highway (Route 16)
Tamworth, New Hampshire

Dear Mr. Pasquale:

An Underground Storage Tank (UST) System Closure Assessment, as required under Env-Or 400 for the four regulated UST systems on the Site, was conducted for the above-referenced facility.

The work was conducted as approved by the New Hampshire Department of Environmental Services (NH DES) methyl tertiary-butyl ether (MtBE) Remediation Bureau in a Work Scope Authorization (WSA) dated September 15, 2022 and a WSA Change Order dated November 28, 2022, and as authorized in our signed Proposed Scope of Work with the facility owner signed on September 5, 2019.

If you have any questions, or if we can be of further assistance, please call.

Sincerely,

A handwritten signature in black ink, appearing to read "John M. Ouellette".

John M. Ouellette
Program Manager

Elizabeth M. Ransom, P.G.
Principal, Vice President

cc: Ms. Kushal Pal Kahlon

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1.0 INTRODUCTION

From October 3 through October 7, 2022, a representative of Ransom Consulting, LLC (Ransom) was present at the GIII Fancy Foods & Gas Property, located at 9 White Mountain Highway in Tamworth, New Hampshire (the “Site”), to observe the closure of four underground storage tank (UST) systems (two containing gasoline, one containing diesel fuel, and one containing kerosene). The work was completed under the New Hampshire Department of Environmental Services (NH DES) methyl-tert-butyl ether (MtBE) fund on behalf of the property owner, Ms. Kushal Pal Kahlon. This closure assessment was prepared as required under Env-Or 400 Underground Storage Facilities. An UST Closure Notification Form was submitted to the NH DES on May 9, 2022 and is included in Appendix A.

1.1 Key Information

Facility Name:	GIII Fancy Foods & Gas Property
Facility Owner:	Ms. Kushal Pal Kahlon 9 White Mountain Highway Tamworth, New Hampshire 03817
Property Contact:	Mr. Gary Kahlon (551) 556-5555 gkahlon11@icloud.com
Facility Registration Number:	0112688
NH DES Site #:	199110092
NH DES Project #:	0039363
Closure Assessment Date:	October 3 through October 7, 2022
Ransom Representatives:	Ms. Bonnie A. Best
NH DES Representative:	Mr. John Pasquale, P.G.
Tank Removal Contractor:	US Ecology
Tank Cleaning Contractor:	US Ecology
ICC-Certified Removal Contractor:	Kyle Carlton (ICC License #9211641)

1.2 Purpose

The purpose of the closure assessment was to provide documentation of the closure (closure-in-place) of two gasoline UST systems, one diesel fuel UST system, and one kerosene UST system at the Site.

1.3 Work Scope

The scope of work for the UST closure assessment (USTCA) included the following:

1. Observing the closure of the four inactive UST systems; including the closure-in-place of a three compartment 20,000-gallon UST, consisting of a 10,000-gallon regular gasoline UST (UST 5A), a 6,000-gallon premium gasoline UST (UST 5B), and a 4,000-gallon diesel UST (UST 5C); and one 2,000-gallon kerosene UST (UST 6);
2. Field-screening of soils from the UST excavations, from beneath the product piping, and beneath identified dispenser locations, for the presence of photoionizable compounds (PICs);
3. Collecting soil samples from the sidewalls and base of the UST excavations, piping trenches, current and/or historical locations of dispensers associated with the USTs, and



analyzing the soil samples for the presence of volatile organic compounds (VOCs) by United States Environmental Protection Agency (U.S. EPA) Method 8260C, polynuclear aromatic hydrocarbons (PAHs) by U.S. EPA Method 8270D, total petroleum hydrocarbons-diesel range organics (TPH-DRO) by U.S. EPA Method 8105-DRO, and/or TPH-gasoline range organics (GRO) by U.S. EPA Method 8015-GRO; and

4. Preparing a report including field screening and laboratory analytical results and visual observations; including photographs, a site map, and recommendations.

For purposes of this report, the USTs are identified in a manner consistent with NH DES UST registration identification, as UST 5A, UST 5B, UST 5C and UST 6.

The gasoline, diesel, and kerosene USTs, piping, and dispensers were evacuated, cleaned, and rendered inert, by equipment and personnel of US Ecology; and the piping and dispensers were subsequently removed. Due to stability concerns for the Site building, and as approved by the NH DES, the USTs were subsequently filled with a flowable concrete fill material and closed-in-place.

Disposal documentation for the liquids removed from the USTs is included as Appendix B.

This closure assessment is subject to the limitations stated in Section 6.0, Limitations.

1.4 Project Background

The Site is currently developed with a commercial building, which is the location of a closed convenience store and former filling station, GIII Fancy Foods & Gas. The Site building is located off the easterly side of White Mountain Highway (NH Route 16), on the southeast corner of the intersection of White Mountain Highway and NH Route 113, in the Town of Tamworth, New Hampshire.

The USTs detailed in this report were installed in 1990 and included (1) a three-compartment 20,000-gallon gasoline and diesel UST (UST 5) which measures 34 feet in length and 10 feet in diameter and is divided into three sections. The USTs as identified by the NH DES and as well as in this report, are registered tanks UST 5A and UST 5B (both gasoline) and UST 5C (diesel); and (2) a 2,000-gallon kerosene UST which measures 12 feet in length and 5 feet 4 inches in diameter, is identified as registered tank UST 6. The USTs were located beneath concrete pads, with the 20,000-gallon three compartment UST located off the northwest side of the Site building, with two dispensers on a concrete island immediately west of, and partially on top of, the UST. UST 6 was located off the southwest side of the Site building, with a dispenser historically located on a small concrete pad directly adjacent to the Site building.

Historically, the Site was location of four additional gasoline and diesel USTs which were removed in 1990. Although no formal USTCA Report is on file with the NH DES for the USTs removed from the Site in 1990, historic release(s) from these earlier generations of USTs were documented at the time of removal, and verbally reported to the NH DES, with MtBE (0.73 milligrams per kilogram (mg/kg)) and TPH concentration detected in a composite soil sample collected from the UST excavation and submitted for laboratory analysis. Multiple subsurface investigations have been conducted at the Site dating back to 2006, and groundwater has been monitored under a NH DES groundwater management permit (GMP) from 2011 until the present time.

According to the NH DES UST Tank Information, details pertaining to the tank systems that are the subject of this closure assessment (all listed as being installed in 1990) are as follows:



1. UST 5A – 10,000-gallon regular gasoline steel UST, corrosion protected, and with fiberglass piping. (Based on field observations by Ransom, UST 5A comprises the southernmost compartment within the 20,000-gallon UST).
2. UST 5B – 6,000-gallon premium gasoline steel UST , corrosion protected, and with fiberglass piping. (Based on field observations by Ransom, UST 5B comprises the northernmost compartment within the 20,000-gallon UST).
3. UST 5C – 4,000-gallon diesel steel UST, corrosion protected, and with fiberglass piping. (Based on field observations by Ransom, UST 5C comprises the central compartment within the 20,000-gallon UST).
4. UST 6 – 2,000-gallon kerosene steel UST, corrosion protected, and with fiberglass piping.

Prior to conducting field activities, closure-in-place had already been approved by the NH DES as the appropriate course of action for the 20,000-gallon compartmentalized gasoline and diesel UST (UST 5A, UST 5B and UST 5C), given the size and proximity of the 20,000-gallon UST to the Site building.

2.0 OBSERVATIONS

On October 3 through October 7, 2022, a representative of Ransom observed the closure (closure in place,) of the previously referenced gasoline, diesel, and kerosene UST systems at the Site. The USTs were located beneath concrete pads located off the westerly side of the Site building. UST 5A, UST 5B and UST 5C comprised the three compartments of the 20,000-gallon UST. Two dispensers were located on a concrete island immediately adjacent to the USTs and were located approximately 8 feet off the west side of the northerly end of the Site building. UST 6 was located approximately 5 feet off the west side of the southerly end of the Site building; a concrete pump island was located immediately adjacent to the Site building; however, the dispenser had previously been removed (date unknown).

Approximately two to three inches of residual product was removed from each of the four USTs discussed in this report. The fuel present in the gasoline, diesel and kerosene UST systems was pumped out by personnel and equipment of US Ecology. A total of 960 gallons of mixed gasoline, diesel, kerosene, and wash water were removed from the Site by US Ecology and disposed of under manifest documentation. Disposal documentation for the liquids removed from the UST is included in Appendix B.

Photographic documentation is provided as Appendix C. Field and analytical methodologies are provided in Appendix D and Appendix E, respectively. A Site Plan is included as Figure 1 and a UST System Closure Assessment Detail Plan is included as Figure 2.

2.1 Tank System Observations

Gasoline and Diesel UST Systems

The 20,000-gallon compartmentalized tank containing the two gasoline USTs (UST 5A and UST 5B) and the diesel UST (UST 5C), was observed to be constructed of thick single-walled steel, equipped with a leak detection system that appeared to involve a double walled tank base. According to the NH DES UST registration, these three USTs were cathodically protected.

The two dispensers associated with these three USTs were on a concrete island located immediately west of the compartmentalized UST. Piping associated with these three USTs was observed to be fiberglass, located beneath the dispenser island, running immediately adjacent to and over the tank to each compartment. The compartmentalized tank associated with UST 5A, UST 5B and UST 5C was located approximately 8 feet off the westerly side of the Site building, which is constructed on a concrete slab-on-grade. The top of the compartmentalized UST was encountered at approximately three feet below grade; and measured a total of 34 feet in length and 10 feet in diameter.

As this UST system was being closed in place, the three USTs required entry to collect base soil samples which were collected via access points cut through the base of the USTs. Test pitting along the sidewalls of the compartmentalized tank for the collection of sidewall soil samples was approved by the NH DES.

Given the thickness of the steel tank, and safety precautions associated with accessing and entering gasoline USTs, an extended period of time, and multiple applications of dry ice to inert vapors within the gasoline USTs, was required to safely cut accessways for human entry. After cutting the accessways, the three USTs were further cleaned, vented, and rendered inert. Neither pitting nor holes were observed from the interior of these gasoline and diesel USTs. Minimal rust, but no pitting or holes, were observed along the exposed top of the USTs, which were encountered at a depth of approximately three feet below grade.

Kerosene UST System

The 2,000-gallon kerosene UST (UST 6) was observed to be constructed of single-walled steel. According to the NH DES UST registration, UST 6 was catholically protected.

A single dispenser associated with the kerosene UST had previously been removed. A small concrete dispenser island remained immediately off the westerly side of the Site building, immediately off the east side of the UST. Piping associated with the kerosene UST was observed to be single-walled steel, and was located immediately above the UST, extending to the pump island. The vent piping associated with the kerosene UST ran beneath the west side of Site building, this section of the structure was observed to be on posts and ran through the interior of a walk in cooler in the Site building, and through the roof. As the vent involved the roofing system associated with the Site building, it could not be fully removed.

Once the top of UST 6 was exposed, at a depth of approximately 4.5 feet below grade, the UST was measured to be approximately 5 feet off the westerly side of the Site building. The kerosene UST measured 10 feet in length and 5 feet 4 inches in diameter. Given the proximity to the Site building, and depth of the base of the kerosene UST, the NH DES approved the closure in place of UST 6.

The top of the steel UST was cut, cleaned of residual product, and entered. An access hole was cut in the base of UST 6 to access soil samples beneath. Test pitting via the excavator was approved to obtain the sidewall soil samples.

Minimal rust, but no pitting or holes were observed within UST 6 or along the exposed top of the UST.

2.2 Excavation Observations

During excavation activities, the 20,000-gallon gasoline and diesel UST (UST 5A, UST 5B and UST 5C) was found to be approximately eight feet off the west sidewall of the Site building, and the depth to the base of these USTs was discovered to be over 13 feet below grade. The proximity of this compartmentalized UST to the Site building, which is constructed on a concrete slab-on-grade foundation, was a concern ahead of any excavation activities; as such, the NH DES had pre-approved closure in place for these USTs.

During excavation activities associated with the kerosene UST (UST 6), the distance from the UST to the west side of the Site building was measured at 5 feet, the depth to the top of the UST was encountered at approximately 4.5 feet below the ground surface (bgs), and the base of the kerosene UST was at approximately 10 feet bgs. Given the proximity to the Site building, and the depth of the UST, the NH DES approved closure-in-place for the kerosene UST as well.

After these USTs were pumped, rendered inert, and cleaned, US Ecology personnel cut accessways through the tops of the USTs and obtained base soil samples via entering each UST and cutting holes at the base of each. Soil samples from the UST sidewalls were obtained via test pitting along the exterior of each of UST.

Soil observed surrounding the USTs generally consisted of brown to light brown, fine to medium sand, with trace amounts of silt. Soils immediately beneath the compartmentalized gasoline and diesel UST was observed to consist of fine sands and silt; with soil color ranging from light brown beneath the southernmost compartment (gasoline UST 5A) to grey beneath the central and northern compartments (diesel UST 5C and gasoline UST 5B, respectively). Based on PIC readings (further described in

Section 3.0) and previously known subsurface conditions, it is anticipated that the gray base soils were stained from the contamination plume associated with the earlier UST systems (removed in 1990).

Piping associated with the gasoline and diesel UST systems was observed to be double walled fiberglass. Piping associated with the kerosene UST system was observed to be single-walled steel. Product piping from the USTs to the dispenser islands was observed to be laid in sandy soils, similar to soils surrounding the USTs. Neither significantly stained soils nor elevated PICs were encountered in the vicinity of the piping runs.

The gasoline, diesel and kerosene USTs were constructed of single-walled steel; with the large gasoline and diesel compartmentalized USTs being constructed of steel measuring approximately ½ inch in thickness. All four USTs were closed in place with flowable fill. Petroleum impacted soils were not encountered during the closure of these USTs. Concrete and asphalt waste generated during the removal of the UST systems was transported from the Site for appropriate offsite disposal/recycling.

No groundwater was encountered during the closure of the UST systems, which reached a depth of approximately 13.5 feet bgs. A groundwater monitoring well proximal to the UST excavation area (MW 201) was gauged by Ransom during the USTCA activities, with the depth to groundwater detected at 16.5 feet bgs.

Mr. John Pasquale, P.G. and Mr. Eric Johnson, P.G. of the NH DES visited the Site on October 5, 2022, and observed the excavations associated with the UST systems. After discussion with Mr. Pasquale, it was decided that closure-in-place was the also the most prudent approach for the kerosene UST (UST 6), due to the depth of the UST and the close proximity to the Site building identified during excavation activities. Mr. Pasquale agreed with Ransom's soil sampling approach based upon observed Site conditions and field screening results.

2.2.1 Gasoline Underground Storage Tank Excavations

Four soil samples were collected for laboratory analysis in association with the two gasoline USTs (UST 5A and UST 5B), a three point composite sidewall sample and a discrete base sample from each UST. The two composite sidewall soil samples were identified as UST 5A-SW and UST 5B-SW (both three point composites) and were collected from the three sidewalls associated with UST 5A and UST 5B, respectively. Two discrete base soil samples were collected and identified as UST 5A-B and UST 5B-B, collected from beneath UST 5A and UST 5B, respectively.

The soil samples were submitted for laboratory analyses for the presence of VOCs by U.S. EPA Method 8260C and TPH-GRO by U.S. EPA Method 8015B-GRO.

2.2.2 Diesel Underground Storage Tank Excavations

Two soil samples were collected for laboratory analysis in association with the diesel UST (UST 5C), a composite sidewall and a discrete base sample from the UST. The composite sidewall soil sample was identified as UST 5C-SW (a two-point composite), collected from the two sidewalls associated with UST 5C. The discrete base soil sample was collected and identified as UST 5C-B, collected from beneath UST 5C.

The soil samples were submitted for laboratory analyses for the presence of VOCs by U.S. EPA Method 8260C, PAHs by U.S. EPA Method 8270D and TPH-DRO by U.S. EPA Method 8015B-DRO.

2.2.3 Gasoline and Diesel Product Piping and Dispensers Excavation

One composite soil sample (consisting of two discrete soil samples) was collected from beneath the two gasoline and diesel dispensers and designated UST 5-DISP. One composite soil sample (consisting of four discrete soil samples) was collected from the base of the gasoline and diesel piping trenches and designated UST 5-PIPE.

The soil samples were submitted for laboratory analysis for the presence of VOCs by U.S. EPA Method 8260C, TPH-GRO by U.S. EPA Method 8015-GRO, TPH-DRO by U.S. EPA Method 8015B-DRO, and PAHs by U.S. EPA Method 8270D.

2.2.4 Kerosene Underground Storage Tank, Piping, and Former Dispenser Excavation

One composite soil sample (consisting of five discrete samples) was collected for laboratory analysis in association with the kerosene UST and associated piping and pump island, which were located immediately above/adjacent to the top of UST 6, samples were collected from the four sidewalls and the base of the excavation. The composite soil sample was identified as UST 6-COMP (a five-point composite).

The soil sample was submitted for laboratory analyses for the presence of VOCs by U.S. EPA Method 8260C, PAHs by U.S. EPA Method 8270D and TPH-DRO by U.S. EPA Method 8015B-DRO.

3.0 FIELD SCREENING RESULTS

Ransom collected soils from locations adjacent to and beneath the UST systems for field screening for the presence of PICs using a MiniRAE 2000 photoionization detector (PID). The PID was calibrated onsite utilizing 100 parts per million by volume (ppmv) isobutylene; and subsequently corrected to benzene, a factor of 0.53 for this instrument. The results of the soil field screening for the presence of PICs are documented below. Field screening methodology is summarized in Appendix D.

As the NH DES determined that the gasoline, diesel and kerosene USTs could be closed in place due to structural concerns in the vicinity of the UST systems, base soil samples associated with these USTs were obtained via interior holes cut through the USTs by US Ecology personnel, and sidewall soil samples were obtained via test pits advanced by equipment and personnel of US Ecology along the exterior of the USTs.

3.1 Photoionizable Compounds

3.1.1 Gasoline Underground Storage Tanks

Soil samples associated with the gasoline USTs (UST 5A and UST 5B) were obtained from sidewalls at depths ranging from 7 to 8 feet bgs, with additional soil samples field screened from depth of approximately 10 feet bgs at each sidewall; base soil samples were collected from depths of approximately 13.5 feet bgs.

PICs were detected in the soil samples collected from sidewalls of the gasoline USTs at concentrations ranging from below background concentrations (1 ppmv) to a concentration of 3 ppmv; and in the soil samples collected from base of the gasoline USTs at concentrations ranging from 2 to 451 ppmv. It should be noted PICs detected at a concentration of 451 ppmv were from soils collected from the base of gasoline UST 5B, the northernmost compartment, which is located in closer proximity to the pre-existing contamination plume associated with earlier generations of USTs. No soil was removed for off-site disposal in relation to the closed-in-place gasoline USTs.

3.1.2 Diesel Underground Storage Tank

Soil samples associated with the diesel UST (UST 5C) were obtained from sidewalls at depths ranging from 7 to 8 feet bgs, with additional soil samples field screened from depth of approximately 10 feet bgs at each sidewall; the base soil sample was collected from a depth of approximately 13.5 feet bgs.

PICs were detected in the soil samples collected at concentrations ranging from below background concentrations (1 ppmv) to a concentration of 12 ppmv in the soil samples screened from the sidewalls, and at concentration of 8 ppmv in the soil from the base of the diesel UST system. No soil was removed for off-site disposal in relation to the closed-in-place diesel UST.

3.1.3 Gasoline and Diesel Piping

Soil beneath the gasoline and diesel product piping was screened at intervals of no less than 10 feet and at all piping joints/fittings. PICs detected ranged from < 1 ppmv to 5 ppmv. No soil was removed for off-site disposal in relation to the product piping.

3.1.4 Gasoline and Diesel Dispensers

Soils beneath the two gasoline and diesel dispensers were field screened with PICs detected ranging from < 1 ppmv to 20 ppmv. No soil was removed for off-site disposal in relation to the dispensers.

3.1.5 Kerosene Underground Storage Tank and Associated Piping

Soil samples associated with the kerosene UST (UST 6) were obtained from beneath associated piping and the former location of the dispenser, which were all located above or immediately adjacent to the kerosene UST, at depths ranging from 1 to 4 feet bgs; from sidewalls at depths ranging from 6 to 7 feet bgs; and the base soil sample was collected from a depth of approximately 10 feet bgs.

PICs were not detected in the soil samples collected in association with the piping, former dispenser, and UST sidewalls at concentrations above background (1 ppmv). PICs were detected at a concentration of 2 ppmv in the soil from the base of the kerosene UST system. No soil was removed for off-site disposal in relation to the closed-in-place kerosene UST.

4.0 LABORATORY ANALYTICAL RESULTS

Analytical results received from the laboratory with a complete listing of the compounds for which the soil samples were analyzed for, specific detection limits, the chain-of-custody documentation, and a description of the analytical methods are included in Appendix E. The results of the soil laboratory analyses are documented below and summarized in Table 1. The laboratory reports are provided in Appendix E.

With the exception of MtBE, which was detected in one base soil sample at a concentration slightly exceeding the applicable Soil Remediation Standards (SRSs) and further detailed below, no VOCs, PAHs, TPH-DRO or TPH-GRO were detected at concentrations exceeding applicable SRSs in the soil samples submitted for analysis.

Laboratory analytical results are summarized in Table 1 and the laboratory reports are included in Appendix E.

4.1 Soil Laboratory Analyses

4.1.1 Volatile Organic Compounds

MtBE was detected in the discrete soil sample collected from the beneath the diesel UST (sample “UST 5C-B”) at a concentration of 0.21 mg/kg, above the NH DES SRS of 0.2 mg/kg for MtBE. Diesel UST 5C is the central pocket of the 20,000-gallon UST and is located between the two gasoline USTs (UST 5A and UST 5B). MtBE was not detected above laboratory detection limits in the remaining soil samples submitted in association with the gasoline, diesel and kerosene USTs; and no additional VOCs were detected at concentrations above laboratory detection limits in base soil sample “UST 5C-B” collected from beneath the diesel UST.

Total xylenes, 1,2,4 trimethylbenzene and 1,3,5 trimethylbenzene were detected in the discrete base soil samples associated with gasoline UST 5A, identified as “UST 5A-B”; and total xylenes, n-propylbenzene, 1,2,4 trimethylbenzene, 1,3,5 trimethylbenzene, sec-butylbenzene, naphthalene and p-isopropyltoluene were detected in the discrete base soil sample associated with gasoline UST 5B, identified as sample “UST 5B-B”. However, all detected concentrations were below the applicable SRSs.

Naphthalene was detected in the composite soil sample collected in association with kerosene UST 6, identified as sample “UST 6-COMP”, at a concentration below the applicable SRS. No additional VOCs were detected above laboratory detection limits in the composite soil sample associated with the kerosene UST.

No VOCs were detected above laboratory detection limits in the other soil samples submitted for laboratory analyses. These include the composite soil samples collected from the sidewalls of gasoline UST 5A (“UST 5A-SW”), gasoline UST 5B (“UST 5B-SW”), diesel UST 5C (“UST 5C-SW”); and composite soil samples collected from beneath the gasoline and diesel dispensers (“UST 5-DISP”) and the piping runs (“UST 5-PIPE”).

4.1.2 Polynuclear Aromatic Hydrocarbons

Pyrene was detected in composite sidewall sample associated with diesel UST 5C (sample “UST 5C-SW”) and phenanthrene, fluoranthene and pyrene were detected in discrete base soil sample

associated with diesel UST 5C (sample “UST 5C-B”) and the composite soil sample associated with kerosene UST 6 (sample “UST 6-COMP”). However, all were detected at concentrations below the applicable SRSs.

No PAHs were detected above laboratory detection limits in the composite soil samples collected from beneath the dispensers and piping runs associated with diesel UST 5C.

4.1.3 Total Petroleum Hydrocarbons-Diesel Range Organics

TPH-DRO was detected in the composite soil samples collected from beneath the gasoline and diesel dispensers (sample “UST 5-DISP”) and the piping runs (sample “UST 5-PIPE”); however, at concentrations below the SRS established by the NH DES for TPH-DRO of 10,000 milligrams per kilogram (mg/kg).

TPH-DRO was not detected above laboratory detection limits in the composite soil sample collected from the sidewalls of diesel UST 5C (sample “UST 5C-SW”), the discrete base sample collected from beneath UST 5C (sample “UST 5C-B”), or the composite soil samples collected from the sidewalls and base of kerosene UST 6 (sample “UST 6-COMP”).

4.1.4 Total Petroleum Hydrocarbons-Gasoline Range Organics

TPH-GRO was detected in the discrete base soil sample collected from beneath gasoline UST 5B (sample “UST 5B-B”), at concentrations below the SRS established by the NH DES for TPH-GRO of 10,000 mg/kg.

TPH-GRO was not detected above laboratory detection limits in the remaining soil samples submitted for laboratory analysis. These include the composite soil samples collected from the sidewalls of gasoline UST 5A and gasoline UST 5B, the discrete base soil sample beneath gasoline UST 5A, or the composite soil samples collected from beneath the gasoline and diesel dispensers and associated piping runs.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on our findings (observations, field PIC measurements and laboratory analytical results), Ransom concludes that no significant release of petroleum at the Site has been documented in association with the UST systems discussed in this USTCA report. With the exception of MtBE detected in one soil sample at a concentration of 0.21 mg/kg, slightly exceeding the NH DES SRS for MtBE of 0.2 mg/kg for MtBE, no VOCs, PAHs, TPH-GRO or TPH-DRO were detected at concentrations exceeding applicable SRSs in the soil samples collected as part of this USTCA.

As further discussed in Section 1.4, release(s) of petroleum from earlier generations of UST systems historically located at the Site have resulted in contamination of Site groundwater at concentrations above Ambient Groundwater Quality Standards (AGQs); which has been managed under a NH DES GMP dating back to 2011.

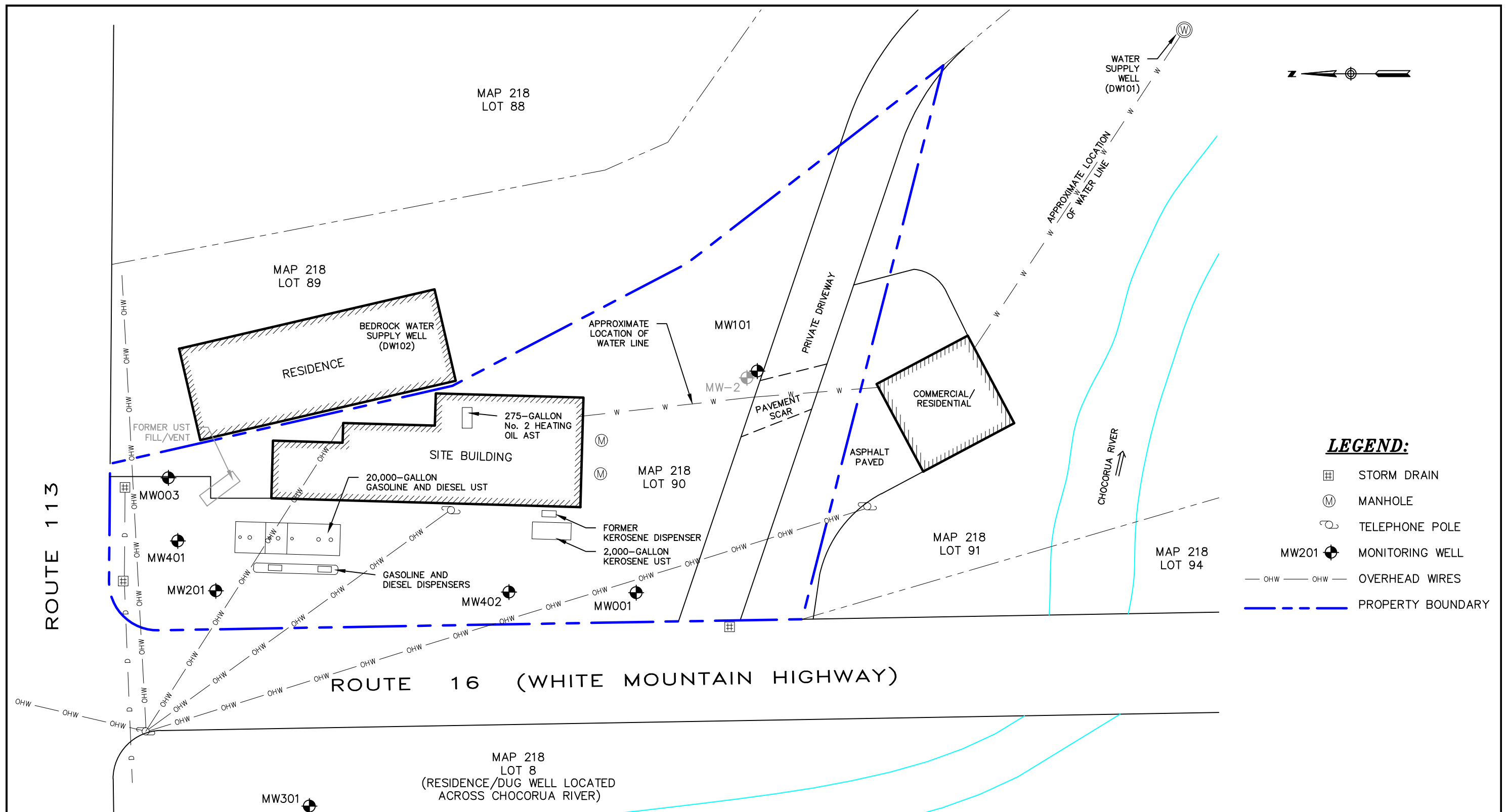
Groundwater was not encountered in the excavations associated with this USTCA, which reached depths up to 14 feet bgs; however, based on analytical results of soil samples, impacts to Site groundwater above AGQs and associated with the UST systems discussed in this report are not anticipated.

Based on the findings of this USTCA, Ransom recommends the advancement of additional soil borings and the installation of additional groundwater monitoring wells adjacent to the north, south and west of the closed-in-place gasoline/diesel UST to better evaluate potential impacts from the former USTs located on the Site.

6.0 LIMITATIONS

The findings and recommendation embodied in this report are based upon the information available to Ransom on the date of this report, and Ransom expressly disclaims any obligation or undertaking to update or modify the findings and recommendation as a consequence of any future changes in the available information. This report and the findings and recommendation embodied herein are subject to the Ransom Terms and Conditions, as referenced in our Proposed Scope of Work dated August 21, 2018.

The client recognizes that the services provided by Ransom and the contents of this report are solely for the benefit of the client and its heirs, successors and permitted assigns whose reliance thereon is not independent of Client's. The contents of this report are not intended to be quoted or otherwise referenced to nor furnished to any other person, and no other person shall be entitled to rely hereon, without the Company's prior written consent. The Company and the client agree that such consent will be given by the Company only upon its receipt of (i) additional consideration in an amount sufficient in its discretion to compensate the Company for its additional exposure, and (ii) the written agreement of the third party seeking to rely upon the contents of the report that its reliance shall be subject to the specified Work Scope, the Terms and Conditions, and any and all additional limitations and qualifications included within the body of this report. Notwithstanding the foregoing, the Company may withhold its consent for any reason in its sole discretion.

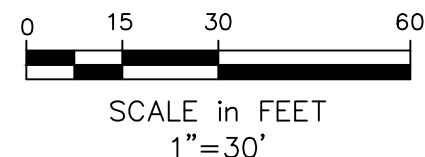


LEGEND:

- STORM DRAIN
- MANHOLE
- TELEPHONE POLE
- MONITORING WELL
- OVERHEAD WIRES
- PROPERTY BOUNDARY

NOTES:

- SITE PLAN BASED ON MEASUREMENTS AND OBSERVATIONS MADE BY RANSOM CONSULTING, LLC. AND TAMWORTH TAX MAP 218.
- SOME FEATURES ARE APPROXIMATE IN LOCATION AND SCALE.
- THIS PLAN HAS BEEN PREPARED FOR KUSHAL PAL KAHLON. ALL OTHER USES ARE NOT AUTHORIZED, UNLESS WRITTEN PERMISSION IS OBTAINED FROM RANSOM CONSULTING, LLC.



RANSOM Consulting, LLC

PREPARED FOR:

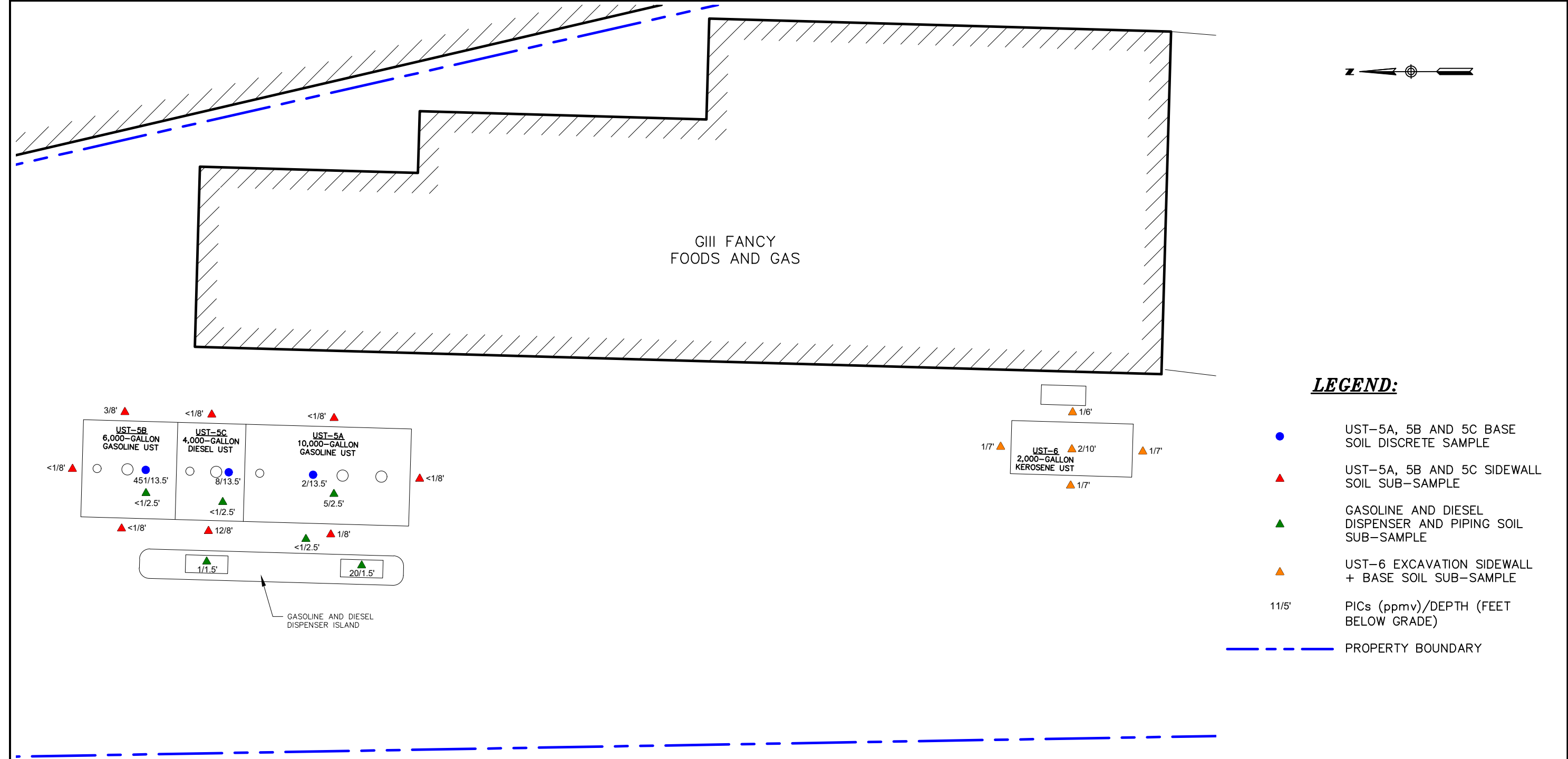
KUSHAL PAL KAHLON

SITE:

GIII FANCY FOODS AND GAS
9 WHITE MT. HIGHWAY
TAMWORTH, NEW HAMPSHIRE

SITE PLAN

DATE: NOVEMBER 2022
PROJECT: 061.05143.100
FIGURE: 1



NOTES: 1. SITE PLAN BASED ON MEASUREMENTS AND OBSERVATIONS MADE BY RANSOM CONSULTING, LLC. AND TAMWORTH TAX MAP 218. 2. SOME FEATURES ARE APPROXIMATE IN LOCATION AND SCALE. 3. THIS PLAN HAS BEEN PREPARED FOR KUSHAL PAL KAHLON. ALL OTHER USES ARE NOT AUTHORIZED, UNLESS WRITTEN PERMISSION IS OBTAINED FROM RANSOM CONSULTING, LLC.				RANSOM Consulting, LLC		USTCA DETAIL PLAN	
PREPARED FOR: KUSHAL PAL KAHLON		SITE: GIII FANCY FOODS AND GAS 9 WHITE MT. HIGHWAY TAMWORTH, NEW HAMPSHIRE		DATE: NOVEMBER 2022 PROJECT: 061.05143.100 FIGURE: 2			



Underground Storage Tank Closure Notification Form

Oil Remediation and Compliance Bureau



RSA 146-C; Env-Or 408.06

ATTENTION: This form is a document used to facilitate the submission of information required under Env-Or 400. Nothing in this form is required to be submitted to the Department unless such a requirement is expressly stated in the rules. If there is any inconsistency between this document and the adopted rules, only those requirements specified in the rules are applicable and enforceable. Use of this form to submit information required under the rules is OPTIONAL.

The owner shall notify NHDES at least 14 days prior to any UST system or piping system permanent closure.

1. Person Reporting Notification	
Name: Elizabeth Strachan	Date: 5/9/22
Address: NRC, 60 West Road, Portsmouth, NH 03801	Initial: EKS
Phone: (603) 498 - 5843	Email: elizabeth.strachan@usecology.com

2. Facility Information	
NHDES Site # 199110092	Facility ID # 0112688
Name: G III Fancy Food & Gas	
Address: 9 White Mountain Highway, Tamworth, NH	

3. Owner Information	
Name: Kushal Pal Kahlon	
Address: 5616 201st Street, Bayside, NY 11364	
Phone: (551) 556 - 5555	Email: gkahlon11@icloud.com

4. Tank Removal Information - Select all that apply: L – Leaker Suspected R – Removed F – Filled In Place P – Piping Only Closed			
L ☐ R ☒ F ☐ P ☐	L ☐ R ☐ F ☐ P ☐	L ☐ R ☐ F ☐ P ☐	L ☐ R ☐ F ☐ P ☐
Tank # 5A	Tank # 5B	Tank # 5C	Tank # 6
Size: 10000	Size: 6000	Size: 4000	Size: 2000
Product: Gasoline	Product: Gasoline	Product: Diesel	Product: Kerosene
Will tank/piping be replaced underground? ☐ YES ☒ NO	Will tank/piping be replaced underground? ☐ YES ☒ NO	Will tank/piping be replaced underground? ☐ YES ☒ NO	Will tank/piping be replaced underground? ☐ YES ☒ NO

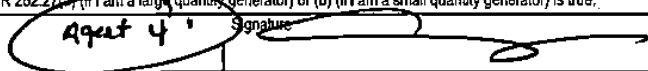
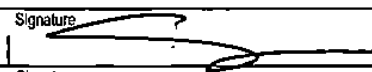
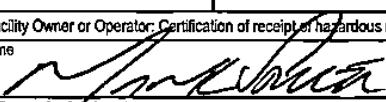
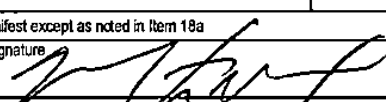
5. Certified Tank Remover Present: Kyle Carlton ICC-U2 Certification #: 9211641

6. Local Fire Dept. Notified: yes Date Notified: 5/9/22

7. Scheduled Closure Date: 6/7-6/9 Mailed: 5/9/22 via email

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NHD 510 188 187	2. Page 1 of 1	3. Emergency Response Phone (800) 899-4672	4. Manifest Tracking Number 006876316GBF		
5. Generator's Name and Mailing Address G 3 FANCY FOODS 5616 20TH STREET BAYSIDE, NY 11364			Generator's Site Address (if different than mailing address) 9 WHITE MOUNTAIN HIGHWAY TAMWORTH, NH 03886				
Generator's Phone: (551) 556-5555							
6. Transporter 1 Company Name NRC EAST ENVIRONMENTAL SERVICES, INC.			U.S. EPA ID Number MAC 300 098 399				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address NRC ENVIRONMENTAL OF MAINE INC. 106 MAIN STREET SOUTH PORTLAND, ME 04106			U.S. EPA ID Number MED 019 051 069				
Facility's Phone: (207) 799-0850							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	1. UN1203, Waste, Gasoline Mixture, (Gasoline/Water Mixture for Reclamation-Ignitable-Toxic-Benzene)), 3, PGII, ERG #128	001	TT	960	G	D001 D018
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information 1. 122747108SPM / Gas & Water (for reclaim) / JOB NUMBER: 176412 [W:64.08.168800]							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40/CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name		Signature			Month	Day	Year
Stephen Alexander					10	7	22
16. International Shipments	☐ Import to U.S.		☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:		
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name		Signature			Month	Day	Year
Stephen Alexander					10	7	22
Transporter 2 Printed/Typed Name		Signature			Month	Day	Year
18. Discrepancy							
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)					U.S. EPA ID Number		
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)					Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
H141							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature			Month	Day	Year
					10	17	22

Photograph Log



Photo 1 (April 2022): GIII Fancy Foods & Gas as seen from the southern extent of the Site. Route 16 on left, intersection of Route 16 and Route 113 in far background.



Photo 2 (April 2022): Gasoline and diesel compartmentalized 20,000-gallon UST and associated dispensers as seen from intersection of Route 16 and Route 113.



Photo 3 (April 2022): Kerosene UST (UST 6) off west side of the southerly end of Site building. Route 16 on right.



Photo 4 (10-3-2022): Vactoring of residual product from gasoline and diesel USTs (UST 5A, UST 5B, and UST 5C).



Photo 5 (10-4-2022): Top of gasoline and diesel compartmentalized UST exposed.



Photo 6 (10-5-2022): Gasoline/diesel UST being vented.

Photograph Log



Photo 7 (10-7-2022): Accessway cut into gasoline UST 5B and preparations being made for entry.



Photo 8 (10-6-2022): Top of kerosene UST 6 exposed and cut open to clean and access base soils. Note proximity to Site building.



Photo 9 (10-7-2022): Gasoline/diesel USTs being filled with flowable fill.



Photo 10 (10-7-2022): Kerosene UST 6 backfilled with sand and then topped with flowable fill.



Photo 11 (11-30-2022): View of the Site upon completion of USTCA activities as seen from the southern extent of the Site,



Photo 12 (11-30-2022): View of the paved area of the closed in place gasoline/diesel USTs.

D.1 FIELD METHODOLOGY

D.1.1 Field Screening

A MiniRAE 2000 PID capable of detecting PICs to a lower detection limit of 0.1 ppmv was used to field screen the soil samples for the presence of photoionizable compounds.

The soil samples from the excavations were initially shaken in the sealed containers, warmed to ambient temperature, and then allowed to equilibrate for at least 15 minutes. The containers were shaken again before analyzing the headspace.

D.1.2 Soil Sample Collection

Soil samples submitted for VOCs and TPH-GRO analyses were collected in accordance with U.S. EPA Method 5035 using the mid-level methanol preservation technique. Five-gram samples were collected using a polyethylene syringe calibrated to 5 grams. The samples were immediately transferred to a clean pre-weighed sample container fitted with Teflon[®] septa, with purge and trap grade methanol added by the laboratory. Soil samples to be submitted for PAH and TPH-DRO analyses were collected directly into clean glass containers provided by the laboratory.

D.1.3 Sample Custody

The soil samples were stored on ice in a cooler while awaiting and during transport from the field to the laboratory. Chain of custody procedures were used to document handling and custody transfer of the samples.

E.1 SOIL ANALYTICAL METHODS

E.1.1 Volatile Organic Compounds

The soil samples methanol were analyzed for the presence of VOCs according to U.S. EPA Method 8260C.

E.1.2 Polynuclear Aromatic Hydrocarbons

Selected soil samples were analyzed for the presence of PAHs according to U.S. EPA Method 8270D.

E.1.3 Total Petroleum Hydrocarbons – Diesel Range Organics

Selected soil samples were analyzed for the presence of TPH–DRO according to U.S. EPA Method 8015-DRO.

E.1.4 Total Petroleum Hydrocarbons - Gasoline Range Organics

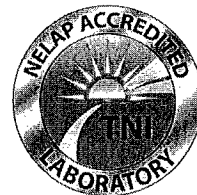
Selected soil samples methanol were analyzed for the presence of TPH-GRO according to U.S. EPA Method 8015-GRO.



Eastern Analytical, Inc.

professional laboratory and drilling services

John Ouellette
Ransom Consulting, LLC (NH)
112 Corporate Dr., Suite 4, Pease International
Portsmouth, NH 03801



Laboratory Report for:

Eastern Analytical, Inc. ID: 250306

Client Identification: G III Fancy Foods & Gas | 061.05143.100

Date Received: 10/6/2022

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery

Certifications:

Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.

References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Olashaw, Lab Director

10.17.22
Date



SAMPLE CONDITIONS PAGE

EAI ID#: 250306

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Temperature upon receipt (°C): 3.7

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
250306.01	UST5-Disp	10/6/22	10/3/22 15:30	soil	95.9	Adheres to Sample Acceptance Policy
250306.02	UST5-Pipe	10/6/22	10/4/22 16:15	soil	96.0	Adheres to Sample Acceptance Policy
250306.03	UST5C-SW	10/6/22	10/4/22 12:30	soil	95.2	Adheres to Sample Acceptance Policy
250306.04	UST5C-B	10/6/22	10/5/22 16:00	soil	78.5	Adheres to Sample Acceptance Policy
250306.05	Trip Blank	10/6/22	10/4/22 00:00	soil	100.0	Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: 250306

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID:	UST5-Disp	UST5-Pipe	UST5C-SW	UST5C-B
Lab Sample ID:	250306.01	250306.02	250306.03	250306.04
Matrix:	soil	soil	soil	soil
Date Sampled:	10/3/22	10/4/22	10/4/22	10/5/22
Date Received:	10/6/22	10/6/22	10/6/22	10/6/22
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	10/7/22	10/7/22	10/7/22	10/7/22
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 0.1	< 0.1	< 0.1	< 0.1
Chloromethane	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl chloride	< 0.02	< 0.02	< 0.02	< 0.02
Bromomethane	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.1	< 0.1	< 0.1
Diethyl Ether	< 0.05	< 0.05	< 0.05	< 0.05
Acetone	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
tert-Butyl Alcohol (TBA)	< 2	< 2	< 2	< 2
Methylene chloride	< 0.1	< 0.1	< 0.1	< 0.1
Carbon disulfide	< 0.1	< 0.1	< 0.1	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1	< 0.1	0.21
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.1	< 0.1	< 0.1
Isopropyl ether(DIPE)	< 0.1	< 0.1	< 0.1	< 0.1
tert-amyl methyl ether(TAME)	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,1-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
2,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
cis-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
2-Butanone(MEK)	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	< 0.05	< 0.05	< 0.05	< 0.05
Tetrahydrofuran(THF)	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	< 0.05	< 0.05	< 0.05	< 0.05
1,1,1-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
Carbon tetrachloride	< 0.05	< 0.05	< 0.05	< 0.05
1,1-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
Trichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
Dibromomethane	< 0.05	< 0.05	< 0.05	< 0.05
Bromodichloromethane	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dioxane	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone(MIBK)	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	< 0.05	< 0.05	< 0.05	< 0.05
trans-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
2-Hexanone	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
Dibromochloromethane	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,1,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.05



LABORATORY REPORT

EAI ID#: 250306

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID:	UST5-Disp	UST5-Pipe	UST5C-SW	UST5C-B
Lab Sample ID:	250306.01	250306.02	250306.03	250306.04
Matrix:	soil	soil	soil	soil
Date Sampled:	10/3/22	10/4/22	10/4/22	10/5/22
Date Received:	10/6/22	10/6/22	10/6/22	10/6/22
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	10/7/22	10/7/22	10/7/22	10/7/22
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
mp-Xylene	< 0.05	< 0.05	< 0.05	< 0.05
o-Xylene	< 0.05	< 0.05	< 0.05	< 0.05
Styrene	< 0.05	< 0.05	< 0.05	< 0.05
Bromoform	< 0.05	< 0.05	< 0.05	< 0.05
IsoPropylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
Bromobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.05
1,2,3-Trichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
n-Propylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
2-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.05
1,3,5-Trimethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
tert-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trimethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
sec-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
p-Isopropyltoluene	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
n-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dibromo-3-chloropropane	< 0.05	< 0.05	< 0.05	< 0.05
1,3,5-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	< 0.1	< 0.1	< 0.1	< 0.1
1,2,3-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
4-Bromofluorobenzene (surr)	95 %R	98 %R	96 %R	97 %R
1,2-Dichlorobenzene-d4 (surr)	99 %R	97 %R	98 %R	98 %R
Toluene-d8 (surr)	100 %R	100 %R	101 %R	100 %R
1,2-Dichloroethane-d4 (surr)	99 %R	98 %R	98 %R	99 %R

UST5-Disp: A composite of 2 discrete grab samples was created in the laboratory prior to analysis.

UST5-Pipe: A composite of 4 discrete grab samples was created in the laboratory prior to analysis.

UST5C-SW: A composite of 2 discrete grab samples was created in the laboratory prior to analysis.



LABORATORY REPORT

EAI ID#: 250306

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID: Trip Blank

Lab Sample ID: 250306.05

Matrix: soil

Date Sampled: 10/4/22

Date Received: 10/6/22

Units: mg/kg

Date of Analysis: 10/7/22

Analyst: JAK

Method: 8260C

Dilution Factor: 1

Dichlorodifluoromethane	< 0.1
Chloromethane	< 0.1
Vinyl chloride	< 0.02
Bromomethane	< 0.1
Chloroethane	< 0.1
Trichlorofluoromethane	< 0.1
Diethyl Ether	< 0.05
Acetone	< 2
1,1-Dichloroethene	< 0.05
tert-Butyl Alcohol (TBA)	< 2
Methylene chloride	< 0.1
Carbon disulfide	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1
Ethyl-t-butyl ether(ETBE)	< 0.1
Isopropyl ether(DIPE)	< 0.1
tert-amyl methyl ether(TAME)	< 0.1
trans-1,2-Dichloroethene	< 0.05
1,1-Dichloroethane	< 0.05
2,2-Dichloropropane	< 0.05
cis-1,2-Dichloroethene	< 0.05
2-Butanone(MEK)	< 0.5
Bromochloromethane	< 0.05
Tetrahydrofuran(THF)	< 0.5
Chloroform	< 0.05
1,1,1-Trichloroethane	< 0.05
Carbon tetrachloride	< 0.05
1,1-Dichloropropene	< 0.05
Benzene	< 0.05
1,2-Dichloroethane	< 0.05
Trichloroethene	< 0.05
1,2-Dichloropropane	< 0.05
Dibromomethane	< 0.05
Bromodichloromethane	< 0.05
1,4-Dioxane	< 1
4-Methyl-2-pentanone(MIBK)	< 0.5
cis-1,3-Dichloropropene	< 0.05
Toluene	< 0.05
trans-1,3-Dichloropropene	< 0.05
1,1,2-Trichloroethane	< 0.05
2-Hexanone	< 0.1
Tetrachloroethene	< 0.05
1,3-Dichloropropane	< 0.05
Dibromochloromethane	< 0.05
1,2-Dibromoethane(EDB)	< 0.02
Chlorobenzene	< 0.05
1,1,1,2-Tetrachloroethane	< 0.05



LABORATORY REPORT

EAI ID#: 250306

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID: Trip Blank

Lab Sample ID: 250306.05

Matrix: soil

Date Sampled: 10/4/22

Date Received: 10/6/22

Units: mg/kg

Date of Analysis: 10/7/22

Analyst: JAK

Method: 8260C

Dilution Factor: 1

Ethylbenzene < 0.05

mp-Xylene < 0.05

o-Xylene < 0.05

Styrene < 0.05

Bromoform < 0.05

IsoPropylbenzene < 0.05

Bromobenzene < 0.05

1,1,2,2-Tetrachloroethane < 0.05

1,2,3-Trichloropropane < 0.05

n-Propylbenzene < 0.05

2-Chlorotoluene < 0.05

4-Chlorotoluene < 0.05

1,3,5-Trimethylbenzene < 0.05

tert-Butylbenzene < 0.05

1,2,4-Trimethylbenzene < 0.05

sec-Butylbenzene < 0.05

1,3-Dichlorobenzene < 0.05

p-Isopropyltoluene < 0.05

1,4-Dichlorobenzene < 0.05

1,2-Dichlorobenzene < 0.05

n-Butylbenzene < 0.05

1,2-Dibromo-3-chloropropane < 0.05

1,3,5-Trichlorobenzene < 0.05

1,2,4-Trichlorobenzene < 0.05

Hexachlorobutadiene < 0.05

Naphthalene < 0.1

1,2,3-Trichlorobenzene < 0.05

4-Bromofluorobenzene (surr) 94 %R

1,2-Dichlorobenzene-d4 (surr) 98 %R

Toluene-d8 (surr) 102 %R

1,2-Dichloroethane-d4 (surr) 97 %R



LABORATORY REPORT

EAI ID#: 250306

Client: **Ransom Consulting, LLC (NH)**

Client Designation: **G III Fancy Foods & Gas | 061.05143.100**

Sample ID:	UST5-Disp	UST5-Pipe	Trip Blank
Lab Sample ID:	250306.01	250306.02	250306.05
Matrix:	soil	soil	soil
Date Sampled:	10/3/22	10/4/22	10/4/22
Date Received:	10/6/22	10/6/22	10/6/22
Units:	mg/kg	mg/kg	mg/kg
Date of Analysis:	10/13/22	10/13/22	10/13/22
Analyst:	JAK	JAK	JAK
Method:	8015Cmod	8015Cmod	8015Cmod
Dilution Factor:	1	1	1
TPH (Gasoline Range C6-C10)	< 2	< 2	< 2
FID 2,5-Dibromotoluene (surr)	133 %R	113 %R	112 %R

UST5-Disp: The surrogate 2,5-Dibromotoluene (surr) deviated high outside the QC limits within the sample(s). The recovery of this surrogate is dependent on the quality of sample collection and/or matrix effect.

CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

250306

Page 8 of 8

SAMPLE I.D.	SAMPLING DATE/TIME *If COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW) GRAB/*COMPOSITE	VOC				SVOC				TCCLP		INORGANICS				Micro		METALS		OTHER		# of CONTAINERS	NOTES MeOH Vial #
			134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2		
UST5-Disp	10-3-22/15:30	C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2	
UST5-Pipe	10-4-22/16:15	C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4	
UST5C-SW	10-4-22/12:30	C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2	
UST5C-B	10-5-22/16:00	✓G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1	
Trip Blank			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	1	
MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER																								
PRESERVATIVE: H-HCL; N-HNO ₃ ; S-H ₂ SO ₄ ; Na-NaOH; M-MEOH																								

PROJECT MANAGER:

John Ouellette

COMPANY:

Ransom Consulting, LLC

ADDRESS:

112 Corporate Drive

CITY:

Portsmouth

STATE:

NH

ZIP:

03801

PHONE:

603-436-1490

EXT.:

E-MAIL:

j.ouellet@ransomenv.com

SITE NAME:

G III Fancy Foods + Gas

PROJECT #:

061.05143.100

STATE:

NH MA ME VT OTHER:

REGULATORY PROGRAM:

NPDES: RGP POTW STORMWATER OR

GWP, OIL FUND, BROWNFIELD OR OTHER:

NHDES/MADE Fund

QUOTE #:

PO #:

5094

QA/QC REPORTING

A B C

MA MCP

 TEMP. 37 °C
 ICE? YES NO

REPORTING OPTIONS

PRELIMS: YES OR NO

ELECTRONIC OPTIONS

PDF EXCEL

EQUIS

OTHER

TURN AROUND TIME

24hr* 48hr*

3-4 Days*

5 Day 7 Day

10 Day

*Pre-approval Required

METALS: 8 RCRA 13 PP FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

* See Sub-Sample Details on Seperate Sheet

**cc Results to Bonnie Bost ransomenv.com

SITE HISTORY: Former Gas Station

SUSPECTED CONTAMINATION: Petroleum

FIELD READINGS: <1 to 20ppmv



Eastern Analytical, Inc.

professional laboratory and drilling services

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(WHITE: Lab Copy

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Eastern Analytical, Inc.

professional laboratory and drilling services

John Ouellette
Ransom Consulting, LLC (NH)
112 Corporate Dr., Suite 4, Pease International
Portsmouth, NH 03801



Laboratory Report for:

Eastern Analytical, Inc. ID: 250307
Client Identification: G III Fancy Foods & Gas | 061.05143.200
Date Received: 10/6/2022

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the written approval of the laboratory.

The following standard abbreviations and conventions apply to all EAI reports:

- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R : % Recovery

Certifications:

Eastern Analytical, Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012), New York (12072), West Virginia (9910C) and Alabama (41620). Please refer to our website at www.easternanalytical.com for a copy of our certificates and accredited parameters.

References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director

10.14.22

Date



SAMPLE CONDITIONS PAGE

EAI ID#: 250307

Client: **Ransom Consulting, LLC (NH)**

Client Designation: **G III Fancy Foods & Gas | 061.05143.200**

Temperature upon receipt (°C): 3.7

Acceptable temperature range (°C): 0-6

Received on ice or cold packs (Yes/No): Y

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
250307.01	UST5-Disp	10/6/22	10/3/22	15:30	soil	95.8	Adheres to Sample Acceptance Policy
250307.02	UST5-Pipe	10/6/22	10/4/22	16:15	soil	95.9	Adheres to Sample Acceptance Policy
250307.03	UST5C-SW	10/6/22	10/4/22	12:30	soil	95.2	Adheres to Sample Acceptance Policy
250307.04	UST5C-B	10/6/22	10/5/22	16:00	soil	78.4	Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: 250307

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.200

Sample ID:	UST5-Disp	UST5-Pipe	UST5C-SW	UST5C-B
Lab Sample ID:	250307.01	250307.02	250307.03	250307.04
Matrix:	soil	soil	soil	soil
Date Sampled:	10/3/22	10/4/22	10/4/22	10/5/22
Date Received:	10/6/22	10/6/22	10/6/22	10/6/22
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/10/22	10/10/22	10/10/22	10/11/22
Date of Analysis:	10/10/22	10/10/22	10/10/22	10/11/22
Analyst:	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1
Naphthalene	< 0.07	< 0.07	< 0.07	< 0.09
2-Methylnaphthalene	< 0.07	< 0.07	< 0.07	< 0.09
1-Methylnaphthalene	< 0.07	< 0.07	< 0.07	< 0.09
Acenaphthylene	< 0.07	< 0.07	< 0.07	< 0.09
Acenaphthene	< 0.07	< 0.07	< 0.07	< 0.09
Fluorene	< 0.07	< 0.07	< 0.07	< 0.09
Phenanthrene	< 0.07	< 0.07	< 0.07	0.19
Anthracene	< 0.07	< 0.07	< 0.07	< 0.09
Fluoranthene	< 0.07	< 0.07	< 0.07	0.12
Pyrene	< 0.07	< 0.07	0.084	0.10
Benzo[a]anthracene	< 0.07	< 0.07	< 0.07	< 0.09
Chrysene	< 0.07	< 0.07	< 0.07	< 0.09
Benzo[b]fluoranthene	< 0.07	< 0.07	< 0.07	< 0.09
Benzo[k]fluoranthene	< 0.07	< 0.07	< 0.07	< 0.09
Benzo[a]pyrene	< 0.07	< 0.07	< 0.07	< 0.09
Indeno[1,2,3-cd]pyrene	< 0.07	< 0.07	< 0.07	< 0.09
Dibenz[a,h]anthracene	< 0.07	< 0.07	< 0.07	< 0.09
Benzo[g,h,i]perylene	< 0.07	< 0.07	< 0.07	< 0.09
p-Terphenyl-D14 (surr)	89 %R	82 %R	81 %R	73 %R



LABORATORY REPORT

EAI ID#: 250307

Client: **Ransom Consulting, LLC (NH)**

Client Designation: **G III Fancy Foods & Gas | 061.05143.200**

Sample ID:	UST5-Disp	UST5-Pipe	UST5C-SW	UST5C-B
Lab Sample ID:	250307.01	250307.02	250307.03	250307.04
Matrix:	soil	soil	soil	soil
Date Sampled:	10/3/22	10/4/22	10/4/22	10/5/22
Date Received:	10/6/22	10/6/22	10/6/22	10/6/22
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/10/22	10/10/22	10/10/22	10/11/22
Date of Analysis:	10/10/22	10/10/22	10/10/22	10/11/22
Analyst:	JMR	JMR	JMR	JMR
Method:	8015CDRO	8015CDRO	8015CDRO	8015CDRO
Dilution Factor:	1	1	1	1
DRO (Diesel Range C10-C28)	730	150	< 30	< 40
p-Terphenyl-D14 (surr)	105 %R	103 %R	95 %R	73 %R

2

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER;
WW-WASTE WATER
PRESERVATIVE: H-HCL; N-HNO₃; S-H₂SO₄; Na-NAOH; M-MEOH

(WHITE: Lab Copy GREEN: Customer Copy)

John Ouellette
Ransom Consulting, LLC (NH)
112 Corporate Dr., Suite 4, Pease International
Portsmouth, NH 03801



Laboratory Report for:

Eastern Analytical, Inc. ID: 250499
Client Identification: G III Fancy Foods & Gas | 061.05143.200
Date Received: 10/11/2022

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

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- %R : % Recovery

Certifications:

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References:

- EPA 600/4-79-020, 1983
- Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd edition or noted revision year.
- Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- Hach Water Analysis Handbook, 4th edition, 1992

If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,


Lorraine Olashaw, Lab Director

10.18.22
Date



SAMPLE CONDITIONS PAGE

EAI ID#: 250499

Client: **Ransom Consulting, LLC (NH)**

Client Designation: **G III Fancy Foods & Gas | 061.05143.200**

Temperature upon receipt (°C): **1.8**

Received on ice or cold packs (Yes/No): **Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
250499.01	UST6-COMP	10/11/22	10/6/22	12:15	soil	95.7	Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: 250499

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.200

Sample ID: UST6-COMP

Lab Sample ID: 250499.01
Matrix: soil
Date Sampled: 10/6/22
Date Received: 10/11/22
Units: mg/kg
Date of Extraction/Prep: 10/13/22
Date of Analysis: 10/13/22
Analyst: AR
Method: 8270D
Dilution Factor: 1

Naphthalene	< 0.07
2-Methylnaphthalene	< 0.07
1-Methylnaphthalene	< 0.07
Acenaphthylene	< 0.07
Acenaphthene	< 0.07
Fluorene	< 0.07
Phenanthrene	0.090
Anthracene	< 0.07
Fluoranthene	0.083
Pyrene	0.089
Benzo[a]anthracene	< 0.07
Chrysene	< 0.07
Benzo[b]fluoranthene	< 0.07
Benzo[k]fluoranthene	< 0.07
Benzo[a]pyrene	< 0.07
Indeno[1,2,3-cd]pyrene	< 0.07
Dibenz[a,h]anthracene	< 0.07
Benzo[g,h,i]perylene	< 0.07
p-Terphenyl-D14 (surr)	63 %R



LABORATORY REPORT

EAI ID#: 250499

Client: **Ransom Consulting, LLC (NH)**
Client Designation: **G III Fancy Foods & Gas | 061.05143.200**

Sample ID: UST6-COMP

Lab Sample ID: 250499.01
Matrix: soil
Date Sampled: 10/6/22
Date Received: 10/11/22
Units: mg/kg
Date of Extraction/Prep: 10/13/22
Date of Analysis: 10/13/22
Analyst: MB
Method: 8015CDRO
Dilution Factor: 1

DRO (Diesel Range C10-C28) < 30
p-Terphenyl-D14 (surr) **78 %R**

Page 5 of 5

 **Eastern Analytical, Inc.**
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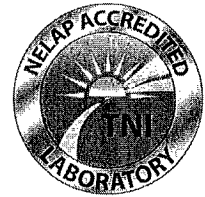
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Eastern Analytical, Inc.

professional laboratory and drilling services

John Ouellette
Ransom Consulting, LLC (NH)
112 Corporate Dr., Suite 4, Pease International
Portsmouth, NH 03801



Laboratory Report for:

Eastern Analytical, Inc. ID: 250502

Client Identification: G III Fancy Foods & Gas | 061.05143.100

Date Received: 10/11/2022

Enclosed are the analytical results per the Chain of Custody for sample(s) in the referenced project. All analyses were performed in accordance with our QA/QC Program, NELAP and other applicable state requirements. All quality control criteria was within acceptance criteria unless noted on the report pages. Results are for the exclusive use of the client named on this report and will not be released to a third party without consent.

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References:

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If you have any questions regarding the results contained within, please feel free to contact customer service. Unless otherwise requested, we will dispose of the sample(s) 6 weeks from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw
Lorraine Olashaw, Lab Director

10.25.22
Date



SAMPLE CONDITIONS PAGE

EAI ID#: 250502

Client: **Ransom Consulting, LLC (NH)**

Client Designation: **G III Fancy Foods & Gas | 061.05143.100**

Temperature upon receipt (°C): **3.1**

Received on ice or cold packs (Yes/No): **Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date/Time Sampled		Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
250502.01	UST5A-SW	10/11/22	10/7/22	13:15	soil	94.9	Adheres to Sample Acceptance Policy
250502.02	UST5A-B	10/11/22	10/7/22	10:30	soil	78.3	Adheres to Sample Acceptance Policy
250502.03	UST5B-SW	10/11/22	10/7/22	09:00	soil	95.1	Adheres to Sample Acceptance Policy
250502.04	UST5B-B	10/11/22	10/7/22	09:30	soil	94.7	Adheres to Sample Acceptance Policy
250502.05	UST6-COMP	10/11/22	10/6/22	12:15	soil	95.7	Adheres to Sample Acceptance Policy
250502.06	Trip Blank	10/11/22	10/7/22	00:00	soil	100.0	Adheres to Sample Acceptance Policy

All results contained in this report relate only to the above listed samples.

Unless otherwise noted:

- Hold times, preservation, container types, and sample conditions adhered to EPA Protocol.
- Solid samples are reported on a dry weight basis, unless otherwise noted. pH/Corrosivity, Flashpoint, Ignitability, Paint Filter, Conductivity and Specific Gravity are always reported on an "as received" basis.
- Analysis of pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite were performed at the laboratory outside of the recommended 15 minute hold time.
- Samples collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures.



LABORATORY REPORT

EAI ID#: 250502

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID:	UST5A-SW	UST5A-B	UST5B-SW	UST5B-B
Lab Sample ID:	250502.01	250502.02	250502.03	250502.04
Matrix:	soil	soil	soil	soil
Date Sampled:	10/7/22	10/7/22	10/7/22	10/7/22
Date Received:	10/11/22	10/11/22	10/11/22	10/11/22
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	10/13/22	10/13/22	10/13/22	10/13/22
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 0.1	< 0.1	< 0.1	< 0.1
Chloromethane	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl chloride	< 0.02	< 0.02	< 0.02	< 0.02
Bromomethane	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.1	< 0.1	< 0.1
Diethyl Ether	< 0.05	< 0.05	< 0.05	< 0.05
Acetone	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
tert-Butyl Alcohol (TBA)	< 2	< 2	< 2	< 2
Methylene chloride	< 0.1	< 0.1	< 0.1	< 0.1
Carbon disulfide	< 0.1	< 0.1	< 0.1	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1	< 0.1	< 0.1
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.1	< 0.1	< 0.1
Isopropyl ether(DIPE)	< 0.1	< 0.1	< 0.1	< 0.1
tert-amyl methyl ether(TAME)	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,1-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
2,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
cis-1,2-Dichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
2-Butanone(MEK)	< 0.5	< 0.5	< 0.5	< 0.5
Bromochloromethane	< 0.05	< 0.05	< 0.05	< 0.05
Tetrahydrofuran(THF)	< 0.5	< 0.5	< 0.5	< 0.5
Chloroform	< 0.05	< 0.05	< 0.05	< 0.05
1,1,1-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
Carbon tetrachloride	< 0.05	< 0.05	< 0.05	< 0.05
1,1-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
Benzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
Trichloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
Dibromomethane	< 0.05	< 0.05	< 0.05	< 0.05
Bromodichloromethane	< 0.05	< 0.05	< 0.05	< 0.05
1,4-Dioxane	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone(MIBK)	< 0.5	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
Toluene	< 0.05	< 0.05	< 0.05	< 0.05
trans-1,3-Dichloropropene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2-Trichloroethane	< 0.05	< 0.05	< 0.05	< 0.05
2-Hexanone	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	< 0.05	< 0.05	< 0.05	< 0.05
1,3-Dichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
Dibromochloromethane	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dibromoethane(EDB)	< 0.02	< 0.02	< 0.02	< 0.02
Chlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,1,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.05



LABORATORY REPORT

EAI ID#: 250502

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID:	UST5A-SW	UST5A-B	UST5B-SW	UST5B-B
Lab Sample ID:	250502.01	250502.02	250502.03	250502.04
Matrix:	soil	soil	soil	soil
Date Sampled:	10/7/22	10/7/22	10/7/22	10/7/22
Date Received:	10/11/22	10/11/22	10/11/22	10/11/22
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	10/13/22	10/13/22	10/13/22	10/13/22
Analyst:	JAK	JAK	JAK	JAK
Method:	8260C	8260C	8260C	8260C
Dilution Factor:	1	1	1	1
Ethylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
mp-Xylene	< 0.05	< 0.05	< 0.05	0.075
o-Xylene	< 0.05	< 0.05	< 0.05	< 0.05
Styrene	< 0.05	< 0.05	< 0.05	< 0.05
Bromoform	< 0.05	< 0.05	< 0.05	< 0.05
IsoPropylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
Bromobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	< 0.05	< 0.05	< 0.05	< 0.05
1,2,3-Trichloropropane	< 0.05	< 0.05	< 0.05	< 0.05
n-Propylbenzene	< 0.05	0.51	< 0.05	< 0.05
2-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.05
4-Chlorotoluene	< 0.05	< 0.05	< 0.05	< 0.05
1,3,5-Trimethylbenzene	< 0.05	0.51	< 0.05	0.15
tert-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trimethylbenzene	< 0.05	0.32	< 0.05	0.15
sec-Butylbenzene	< 0.05	1.5	< 0.05	< 0.05
1,3-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
p-Isopropyltoluene	< 0.05	0.72	< 0.05	< 0.05
1,4-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
n-Butylbenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2-Dibromo-3-chloropropane	< 0.05	< 0.05	< 0.05	< 0.05
1,3,5-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	< 0.05	< 0.05	< 0.05	< 0.05
Naphthalene	< 0.1	0.23	< 0.1	< 0.1
1,2,3-Trichlorobenzene	< 0.05	< 0.05	< 0.05	< 0.05
4-Bromofluorobenzene (surr)	94 %R	156 %R	98 %R	98 %R
1,2-Dichlorobenzene-d4 (surr)	98 %R	98 %R	98 %R	97 %R
Toluene-d8 (surr)	103 %R	113 %R	104 %R	102 %R
1,2-Dichloroethane-d4 (surr)	99 %R	145 %R	98 %R	98 %R

Chloroethane exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).

UST5A-B: Non target interference in the samples resulted in recovery high outside of the acceptance control limits of 70-130%R for the surrogate(s) 4-Bromofluorobenzene (surr), 1,2-Dichloroethane-d4 (surr).



LABORATORY REPORT

EAI ID#: 250502

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID: UST6-COMP Trip Blank

Lab Sample ID:	250502.05	250502.06
Matrix:	soil	soil
Date Sampled:	10/6/22	10/7/22
Date Received:	10/11/22	10/11/22
Units:	mg/kg	mg/kg
Date of Analysis:	10/13/22	10/13/22
Analyst:	JAK	JAK
Method:	8260C	8260C
Dilution Factor:	1	1

Dichlorodifluoromethane	< 0.1	< 0.1
Chloromethane	< 0.1	< 0.1
Vinyl chloride	< 0.02	< 0.02
Bromomethane	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.1
Diethyl Ether	< 0.05	< 0.05
Acetone	< 2	< 2
1,1-Dichloroethene	< 0.05	< 0.05
tert-Butyl Alcohol (TBA)	< 2	< 2
Methylene chloride	< 0.1	< 0.1
Carbon disulfide	< 0.1	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.1
Isopropyl ether(DIPE)	< 0.1	< 0.1
tert-amyl methyl ether(TAME)	< 0.1	< 0.1
trans-1,2-Dichloroethene	< 0.05	< 0.05
1,1-Dichloroethane	< 0.05	< 0.05
2,2-Dichloropropane	< 0.05	< 0.05
cis-1,2-Dichloroethene	< 0.05	< 0.05
2-Butanone(MEK)	< 0.5	< 0.5
Bromochloromethane	< 0.05	< 0.05
Tetrahydrofuran(THF)	< 0.5	< 0.5
Chloroform	< 0.05	< 0.05
1,1,1-Trichloroethane	< 0.05	< 0.05
Carbon tetrachloride	< 0.05	< 0.05
1,1-Dichloropropene	< 0.05	< 0.05
Benzene	< 0.05	< 0.05
1,2-Dichloroethane	< 0.05	< 0.05
Trichloroethene	< 0.05	< 0.05
1,2-Dichloropropane	< 0.05	< 0.05
Dibromomethane	< 0.05	< 0.05
Bromodichloromethane	< 0.05	< 0.05
1,4-Dioxane	< 1	< 1
4-Methyl-2-pentanone(MIBK)	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.05	< 0.05
Toluene	< 0.05	< 0.05
trans-1,3-Dichloropropene	< 0.05	< 0.05
1,1,2-Trichloroethane	< 0.05	< 0.05
2-Hexanone	< 0.1	< 0.1
Tetrachloroethene	< 0.05	< 0.05
1,3-Dichloropropane	< 0.05	< 0.05
Dibromochloromethane	< 0.05	< 0.05
1,2-Dibromoethane(EDB)	< 0.02	< 0.02
Chlorobenzene	< 0.05	< 0.05
1,1,1,2-Tetrachloroethane	< 0.05	< 0.05



LABORATORY REPORT

EAI ID#: 250502

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID: UST6-COMP Trip Blank

Lab Sample ID:	250502.05	250502.06
Matrix:	soil	soil
Date Sampled:	10/6/22	10/7/22
Date Received:	10/11/22	10/11/22
Units:	mg/kg	mg/kg
Date of Analysis:	10/13/22	10/13/22
Analyst:	JAK	JAK
Method:	8260C	8260C
Dilution Factor:	1	1

Ethylbenzene	< 0.05	< 0.05
mp-Xylene	< 0.05	< 0.05
o-Xylene	< 0.05	< 0.05
Styrene	< 0.05	< 0.05
Bromoform	< 0.05	< 0.05
IsoPropylbenzene	< 0.05	< 0.05
Bromobenzene	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	< 0.05	< 0.05
1,2,3-Trichloropropane	< 0.05	< 0.05
n-Propylbenzene	< 0.05	< 0.05
2-Chlorotoluene	< 0.05	< 0.05
4-Chlorotoluene	< 0.05	< 0.05
1,3,5-Trimethylbenzene	< 0.05	< 0.05
tert-Butylbenzene	< 0.05	< 0.05
1,2,4-Trimethylbenzene	< 0.05	< 0.05
sec-Butylbenzene	< 0.05	< 0.05
1,3-Dichlorobenzene	< 0.05	< 0.05
p-Isopropyltoluene	< 0.05	< 0.05
1,4-Dichlorobenzene	< 0.05	< 0.05
1,2-Dichlorobenzene	< 0.05	< 0.05
n-Butylbenzene	< 0.05	< 0.05
1,2-Dibromo-3-chloropropane	< 0.05	< 0.05
1,3,5-Trichlorobenzene	< 0.05	< 0.05
1,2,4-Trichlorobenzene	< 0.05	< 0.05
Hexachlorobutadiene	< 0.05	< 0.05
Naphthalene	0.14	< 0.1
1,2,3-Trichlorobenzene	< 0.05	< 0.05
4-Bromofluorobenzene (surr)	96 %R	94 %R
1,2-Dichlorobenzene-d4 (surr)	99 %R	99 %R
Toluene-d8 (surr)	103 %R	104 %R
1,2-Dichloroethane-d4 (surr)	98 %R	99 %R

Chloroethane exhibited recovery below acceptance limits in the Quality Control sample(s). The analyte(s) were not detected in the sample(s).



LABORATORY REPORT

EAI ID#: 250502

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID:	UST5A-SW	UST5A-B	UST5B-SW	UST5B-B
Lab Sample ID:	250502.01	250502.02	250502.03	250502.04
Matrix:	soil	soil	soil	soil
Date Sampled:	10/7/22	10/7/22	10/7/22	10/7/22
Date Received:	10/11/22	10/11/22	10/11/22	10/11/22
Units:	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	10/14/22	10/19/22	10/19/22	10/14/22
Analyst:	JAK	JAK	JAK	JAK
Method:	8015Cmod	8015Cmod	8015Cmod	8015Cmod
Dilution Factor:	1	10	1	1
TPH (Gasoline Range C6-C10)	< 2	760	< 2	< 2
FID 2,5-Dibromotoluene (surr)	88 %R	108 %R	87 %R	97 %R

UST5A-SW, UST5B-SW: A composite of 3 discrete grab samples was created in the laboratory prior to analysis.



LABORATORY REPORT

EAI ID#: 250502

Client: Ransom Consulting, LLC (NH)

Client Designation: G III Fancy Foods & Gas | 061.05143.100

Sample ID: UST6-COMP

Lab Sample ID: 250502.05

Matrix: soil

Date Sampled: 10/6/22

Date Received: 10/11/22

Units: mg/kg

Date of Analysis: 10/14/22

Analyst: JAK

Method: 8015Cmod

Dilution Factor: 1

TPH (Gasoline Range C6-C10) < 2

FID 2,5-Dibromotoluene (surr) 85 %R

UST6-COMP: A composite of 6 discrete grab samples was created in the laboratory prior to analysis.

SAMPLE I.D.	SAMPLING DATE / TIME *If COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	MATRIX (SEE BELOW)	GRAB / % COMPOSITE	VOC		SVOC		TCLP	INORGANICS				MICRO		METALS		OTHER		NOTES MeOH VIAL #
				5242 5242 MTBE ONLY 8260 1, 4 DIOXANE 8021	VTCS 624	8015 GRO MAVPH 8270 ABN PAH EDB DBCP TPH 100 LI L2 8015 DRO MAEPH PEST 608 PCB 608 PEST 8081 PCB 8082 OIL & GREASE 1664 TPH 1664	625 ABN PAH EDB DBCP TPH 100 LI L2 8015 DRO MAEPH PEST 608 PCB 608 PEST 8081 PCB 8082 OIL & GREASE 1664 TPH 1664		TS BOD CBOD TS TSS TDS Br Cl F NO ₃ NO ₂ NH ₃ TN T. PHOS. O. PHOS. pH T. RES. CHLORINE SPEC. CON. T. ALK.	DOC COD PHENOLS TOC DOC	TOTAL CYANIDE REACTIVE CYANIDE FLASHPOINT TOTAL COLIFORM FECAL COLIFORM ENTEROCOCCI HETEROTROPHIC PLATE COUNT	DISSOLVED METALS (LIST BELOW) TOTAL METALS (LIST BELOW)							
UST5A-SW	10-7-22/13:15	S	C	✓		✓													W
UST5A-B	10:30	G	G	✓		✓													I
UST5B-SW	9:00	C	C	✓		✓													W
UST5B-B	9:30	G	G	✓		✓													I
UST6-COMP	10-6-22/12:15	✓	C	✓		✓													G
Trip Blank				✓															I

PROJECT MANAGER: John Ouellette
 COMPANY: Ransom Consulting LLC
 ADDRESS: 112 Corporate Drive
 CITY: Portsmouth STATE: NH ZIP: 03801
 PHONE: 603-436-1490 EXT.:
 E-MAIL: joellette@ransomenv.com
 SITE NAME: G III Fancy Foods & Gas
 PROJECT #: 061.05143.100
 STATE: NH MA ME VT OTHER:
 REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR
 GWP, OIL FUND, BROWNFIELD OR OTHER: NPDES M&B Fm
 QUOTE #: PO #: 5094

QA/QC REPORTING

A B C

MA MCP

TEMP. 3.1 °C
ICE? YES No

REPORTING OPTIONS

PRELIMS: YES OR NO

ELECTRONIC OPTIONS

PDF EXCEL
EQUIS
OTHER

TURN AROUND TIME

24hr* 48hr*

3-4 Days*

5 Day 7 Day

10 Day

*Pre-approval Required

METALS: 8 RCRA 13 PP FE, MN PB, CU

OTHER METALS: _____

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

*See list for soil
sub-sample ID, time
+ dates

** cc: bonnie.best@ransom
env.com w/ Results

SITE HISTORY: *Former Gas Station*

SUSPECTED CONTAMINATION: Petroleum

FIELD READINGS: 1 - 451 ppmV

SAMPLER(S): Bonnie A. Best

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____

**Eastern Analytical, Inc.**

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 401-433-2160
 603-436-1490
 207-772-2891
 609-584-0090
 856-464-0224

PROJECT NO. 061.05143.100

SHEET NO. _____ OF _____

CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

SCALE 6 III Fancy Feeds + Gas

Composite Soil Sample Details:

① Sample ID = USTSA-SW @ 13:15 10-7-22

Sub Samples =

USTSA-S1	9:55	10-4-22
USTSA-S2	13:00	10-7-22
USTSA-S3	10:10	10-4-22

② Sample ID = USTSB-SW @ 9:00 10-7-22

Sub Samples =

USTSB-SW1	8:55	10-7-22
USTSB-SW3	8:40	
USTSB-SW4	8:10	↓

③ Sample ID = USTC-COMP @ 12:15 10-6-22

Sub Samples =

USTC-SW1	14:40	10-4-22
USTC-SW2	14:50	↓
USTC-SW3	11:40	10-6-22
USTC-SW4	11:50	↓
USTC-B	11:30	
USTC-Disp	12:00	↓

Bonnie A. Best
 Bonnie A. Best
 603-453-6920