AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.

App Number: pCS1718653785

144B - 15953

Williams Four Corners, LLC

12/19/2017

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

OIL CONS. DIV DIST. 3
SEP 18 2017

Form C-144
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

1601

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☒ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ■ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Williams Four Corners LLC OGRID #:
Address: 1755 Arroyo Drive, Bloomfield, NM 87413
Facility or well name: 32-8#2 CDP Produced Water BGT (2)
API Number: C-144-15943 OCD Permit Number:
U/L or Qtr/Qtr SENW (F) Section 27 Township 32N Range 8W County: San Juan County
Center of Proposed Design: Latitude 36.956897 Longitude -107.664022 NAD: ☐1927 ■1983
Surface Owner: ■ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
BGT Closed Prior to Approved Closure Plan
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
■ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 164 bbl Type of fluid: Used Oil BGT (2)
Tank Construction material: Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ■ Visible sidewalls only ☐ Other _____
Liner type: Thickness 40 mil ■ HDPE ☐ PVC ☐ Other _____

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify_____

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6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

■ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ■ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☒ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Monica Sandoval Title: Environmental Specialist

Signature: MonicaSandoval Date: 6/7/2017

e-mail address: monica.sandoval@williams.com Telephone: 505-632-4625

18.
OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan ~~(only)~~ ☐ OCD Conditions (see attachment)

OCD Representative Signature: [signature] **Approval Date:** 12/19/2017

Title: Environmental Specialist **OCD Permit Number:**

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

■ **Closure Completion Date:** 7/17/2017

20.
Closure Method:

■ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ■ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ■ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☐ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ■ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐1927 ☐ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Monica Sandoval Title: Environmental Specialist

Signature: MonicaSandoval Date: 8/14/2017

e-mail address: monica.sandoval@williams.com Telephone: 505-632-4625

Williams Four Corners LLC
Below Grade Tank Closure Report
Facility Name: 32-8#2 – BGT2 – Used Oil
API Number: C-144-15943

The following provides information related to the retirement and closure of the below grade tank (BGT) at the named location. All work was performed in accordance with Rule 19.15.17.13 NMAC and was consistent with the Williams BGT Closure Plan approved by NMOCD.

Requirement: Provide notices to NMOCD and landowner prior to closure actions.

Action: Notification made to landowner and to NMOCD Aztec District Office by email.

Requirement: Eliminate discharge to BGT and remove free-standing liquids from BGT and or containment.

Action: Discharge to the BGT was eliminated and liquids, when present, were removed by a licensed hauler and taken to a NMOCD-permitted facility listed in the aforementioned closure plan.

Requirement: Remove ancillary equipment including piping, liner material, and fencing.

Action: Piping, liner material, and fencing were removed in advance or at the time of BGT retirement work. Scrap steel was recycled or placed in a Williams-owned storage area to allow evaluation for final disposition.

Requirement: Sample and test soils beneath the BGT to determine if there was hydrocarbon impact.

Action: Soils were sampled and analyzed for TPH, BTEX and chlorides. Results are attached to the C-144 Closure Form and are part of the closure documentation.

Requirement: Address contamination consistent with the Closure Plan or Remedial Action Plan/Protocol.

Action: No contaminated soil was encountered during the BGT, therefore removal was not required.

Requirement: Backfill containment/excavation with acceptably clean materials and return area to grade such that ponding and erosion are mitigated.

Action: Clean soil (as defined) was used to return the BGT area to grade and was contoured/leveled consistent with the Pit Rule criteria.

Requirement: Reclaim and re-seed the area consistent with the Pit Rule and Closure Plan criteria.

Action: This requirement was not completed as the BGT was located on an active right-of-way (ROW). As stated in the approved plan, this requirement is deferred pending further well production and/or subsequent actions of the leaseholder and will be addressed when the well site is reclaimed.

Any additional work performed and not described herein was completed consistent with the BGT Closure Plan and/or applicable NMOCD requirements. Further information is provided in the C-144 Closure Form as specified in the Pit Rule.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Williams Four Corners LLC	Contact Monica Sandoval
Address 1755 Arroyo Drive, Bloomfield, NM 87413	Telephone No. 505-632-4625
Facility Name 32-8 #2	Facility Type Compressor Station

Surface Owner Private	Mineral Owner NA	API No. NA

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	27	32N	8W					San Juan

Latitude 36.956845 **Longitude** -107.663938

NATURE OF RELEASE

Type of Release Lube Oil	Volume of Release 500 gallons	Volume Recovered 0 gallons
Source of Release Tank Sight Glass	Date and Hour of Occurrence 08/01/2016, 08:00 AM	Date and Hour of Discovery 08/01/2016, 08:00 AM
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A sight glass broke on a bulk lube oil storage tank. The lube oil was contained within the secondary containment area. The containment is unlined. The initial reported release volume was reported to be below 5 bbls. An investigation was performed by LT Environmental on August 18, 2016. Following completion of the investigation, it was determined that the volume of lube oil released was approximately 500 gallons. The cause of the sight glass break is unknown.

Describe Area Affected and Cleanup Action Taken.*
(Initial Findings) The attached figure documents the extent of the visible lube oil impacts during completion of the investigation. Seven hand auger borings (HA-1 through HA-7) were completed to evaluate the extent of impacts. It appears that heavy precipitation events following the release may have contributed to further migration of visible lube oil impacts within containment. The hand auger borings indicated the presence of a clay layer 19-inches below the containment floor that was non-impacted (impacts observed in soils above 19-inches). Remediation activities will be completed in the future to remove impacted soils from the containment. Confirmation soil samples from the excavation floor and sidewalls will be collected to demonstrate cleanup concentrations are achieved.

8/2/2017 update:

Clean up work began on 6/26/2017. Sampling took place on 6/7/2017 prior to the work beginning. Sampled again on 6/30/2017 after the tanks had been removed; no one from OCD was present for sampling. Contaminated soil was approximately 600 yards removed.
Job Scope: Removed contaminated soil, disconnect and removed 2- 165 bbl below grade tanks, removed impacted soil, set 2 – new 165 bbl double wall double bottom tanks. Disconnected and moved the 300 bbl produced water and lube oil tanks to clean impacted soil. Set pre sprayed mat and re-set and connected tanks. Additional work to take place weather dependent, spray liner over berms, tie into mats and pits and set stairs.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: MonicaSandoval	OIL CONSERVATION DIVISION

Printed Name: Monica Sandoval	Approved by Environmental Specialist:	
Title: Environmental Specialist	Approval Date:	Expiration Date:
E-mail Address: monica.sandoval@williams.com	Conditions of Approval:	Attached ☐
Date: 8/2/2017 Phone: 505-632-4625		

* Attach Additional Sheets If Necessary

Remediation Excavation and Sampling Form

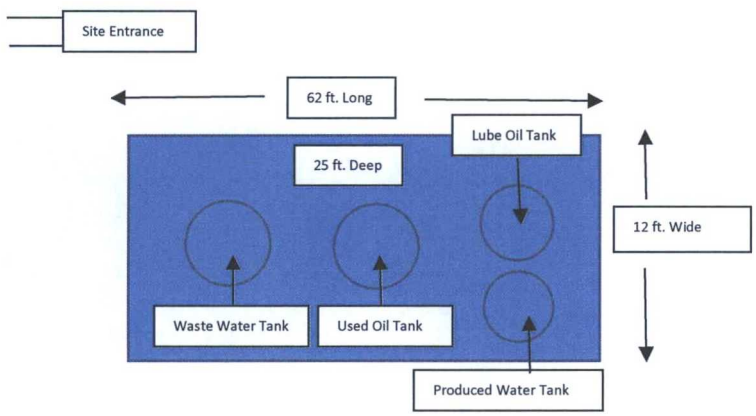
Site Name: 32-8#2 CDP (Lat. 36.956845 Long. -107.663938)

Excavation Dimensions (feet): 62 ft. Length x 12 ft. Wide x 25 ft. Deep

Excavation Diagram and Sample Locations

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)

Clean up work began on 6/26/2017. Sampling took place on 6/7/2017 prior to the work beginning. Sampled again on 6/30/2017 after the tanks had been removed; no one from OCD was present for sampling. Contaminated soil was approximately 600 yards removed. Job Scope: Removed contaminated soil, disconnect and removed 2- 165 bbl below grade tanks, removed impacted soil, set 2 – new 165 bbl double wall double bottom tanks. Disconnected and moved the 300 bbl produced water and lube oil tanks to clean impacted soil. Set pre sprayed mat and re-set and connected tanks. Additional work to take place weather dependent, spray liner over berms, tie into mats and pits and set stairs.



Sample Information

OCD Witness Sampling Yes or No

Agency(s) Representative(s) _____

Sample ID	Sample Date	Type (Composite, Grab)	Location (Floor, Sidewall)	Comments
1706446-001	6/8/2017	Composite		
1707001-001	6/30/2017	Composite	Bottom	Waste Water Tank
1707001-002	6/30/2017	Composite	Bottom	Used Oil Tank
1707001-003	6/30/2017	Composite	Bottom	Lube Oil Tank
1707001-004	6/30/2017	Composite	South East Wall	Lube Oil Tank
1707001-005	6/30/2017	Composite	South West Wall	Lube Oil Tank

1707001-006	6/30/2017	Composite	North East Wall	Lube Oil Tank


6/8/2017
Sample 1706446-001
Composite

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 20, 2017

Monica Sandoval
Williams Field Services
1755 Arroyo Dr.,
Bloomfield, NM 87413
TEL: (505) 632-4442
FAX

RE: SJ 32-8 #2 COP OrderNo.: 1706446

Dear Monica Sandoval:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/8/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1706446**
Date Reported: **6/20/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services
Project: SJ 32-8 #2 COP
Lab ID: 1706446-001 **Matrix:** SOIL

Client Sample ID: SJ 32-8 #2 CDP
Collection Date: 6/7/2017 4:00:00 PM
Received Date: 6/8/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 7471: MERCURY						Analyst: **ELS**	
Mercury	0.065	0.032		mg/Kg	1	6/9/2017 1:06:11 PM	32191
EPA METHOD 6010B: SOIL METALS						Analyst: **MED**	
Arsenic	ND	2.4		mg/Kg	1	6/15/2017 10:51:01 AM	32273
Barium	130	0.098		mg/Kg	1	6/15/2017 10:51:01 AM	32273
Cadmium	ND	0.098		mg/Kg	1	6/15/2017 10:51:01 AM	32273
Chromium	5.1	0.29		mg/Kg	1	6/15/2017 10:51:01 AM	32273
Lead	2.7	0.24		mg/Kg	1	6/15/2017 10:51:01 AM	32273
Selenium	ND	2.4		mg/Kg	1	6/15/2017 10:51:01 AM	32273
Silver	ND	0.24		mg/Kg	1	6/15/2017 10:51:01 AM	32273

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706446**

20-Jun-17

Client: Williams Field Services

Project: SJ 32-8 #2 COP

Sample ID **MB-32191**	SampType: **MBLK**	TestCode: **EPA Method 7471: Mercury**
Client ID: **PBS**	Batch ID: **32191**	RunNo: **43412**
Prep Date: **6/9/2017**	Analysis Date: **6/9/2017**	SeqNo: **1366683** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID **LCS-32191**	SampType: **LCS**	TestCode: **EPA Method 7471: Mercury**
Client ID: **LCSS**	Batch ID: **32191**	RunNo: **43412**
Prep Date: **6/9/2017**	Analysis Date: **6/9/2017**	SeqNo: **1366684** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1667	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1706446**

20-Jun-17

Client: Williams Field Services

Project: SJ 32-8 #2 COP

Sample ID **MB-32273**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **32273**	RunNo: **43511**
Prep Date: **6/14/2017**	Analysis Date: **6/15/2017**	SeqNo: **1370536** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Lead	ND	0.25								
Selenium	ND	2.5								
Silver	ND	0.25								

Sample ID **LCS-32273**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **32273**	RunNo: **43511**
Prep Date: **6/14/2017**	Analysis Date: **6/15/2017**	SeqNo: **1370540** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	2.5	25.00	0	99.7	80	120			
Barium	25	0.10	25.00	0	101	80	120			
Cadmium	25	0.10	25.00	0	101	80	120			
Chromium	25	0.30	25.00	0	99.3	80	120			
Lead	24	0.25	25.00	0	96.5	80	120			
Selenium	25	2.5	25.00	0	99.0	80	120			
Silver	5.1	0.25	5.000	0	102	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI Work Order Number: 1706446 RcptNo: 1

Received By: Anne Thorne 6/8/2017 7:15:00 AM Anne Thorne
Completed By: Anne Thorne 6/8/2017 11:05:29 AM Anne Thorne
Reviewed By: 6/8/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? ____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: ____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____
By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: ____
Client Instructions: ____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: WFS

Mailing Address: 188 CR4900
Bloomfield NM 87413

Phone #: 505-947-1852

email or Fax#: Monica.Sandoval@williams.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name:
SJ32-8 #2 COP

Project #:

Project Manager:
Monica Sandoval

Sampler: Morgan Killion

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.0

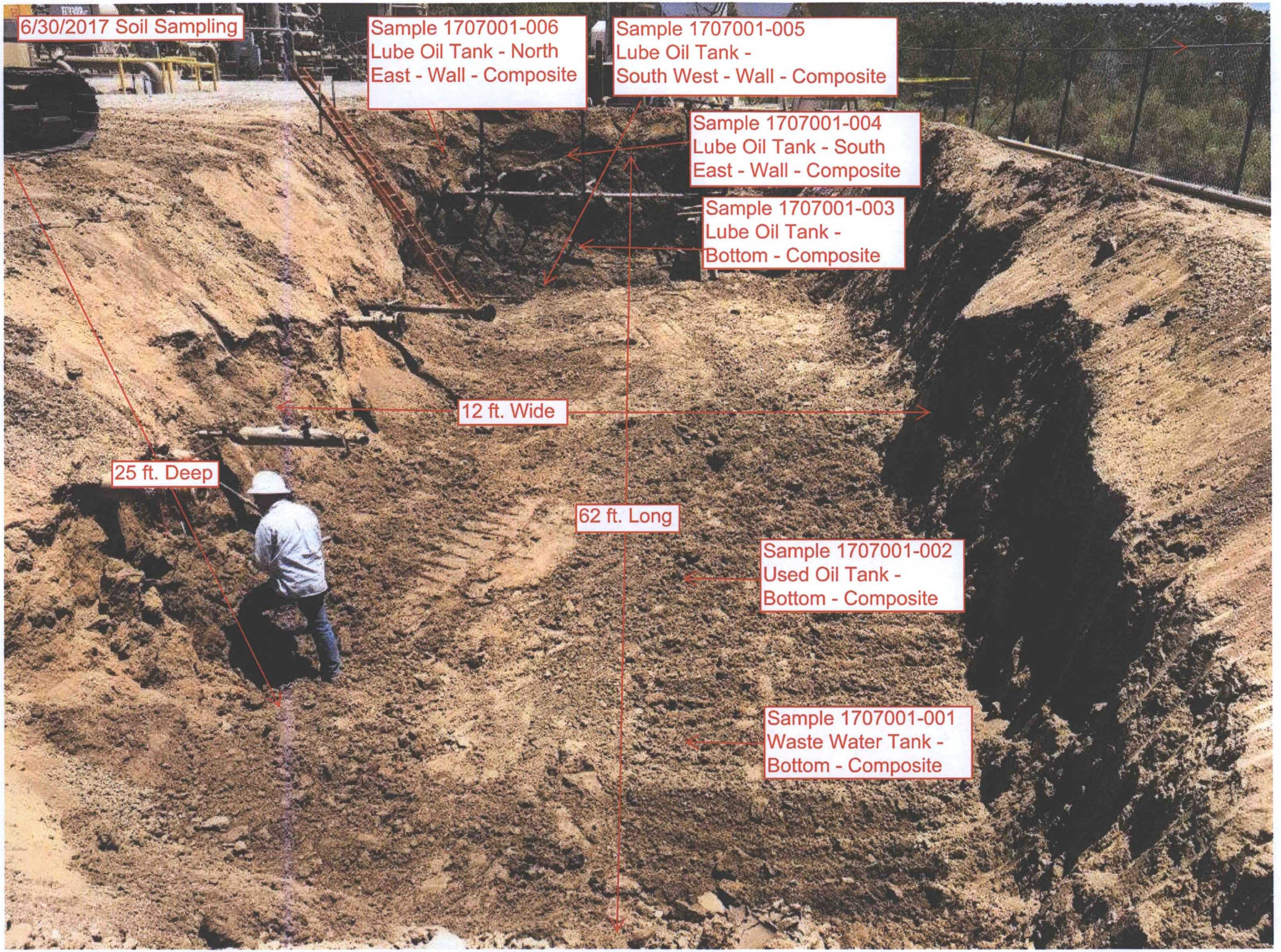
HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1706446	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F^-, Cl^-, NO_3^-, NO_2^-, PO_4^{3-}, SO_4^{2-})	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
6/7/17	4:00	soil	SJ32-8 #2 COP	1-802	Cool	001							X					

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
6/7/17	1615	Morgan Killion		6/7/17	1615	
6/7/17	1852	Christine Walker		06/08/17	0715	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.


6/30/2017 Soil Sampling
Sample 1707001-006
Lube Oil Tank - North
East - Wall - Composite
Sample 1707001-005
Lube Oil Tank -
South West - Wall - Composite
Sample 1707001-004
Lube Oil Tank - South
East - Wall - Composite
Sample 1707001-003
Lube Oil Tank -
Bottom - Composite
12 ft. Wide
25 ft. Deep
62 ft. Long
Sample 1707001-002
Used Oil Tank -
Bottom - Composite
Sample 1707001-001
Waste Water Tank -
Bottom - Composite

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 07, 2017

Monica Sandoval
Williams Field Services
1755 Arroyo Dr.,
Bloomfield, NM 87413
TEL: (505) 632-4442
FAX

RE: Lube Oil Tank Spill OrderNo.: 1707001

Dear Monica Sandoval:

Hall Environmental Analysis Laboratory received 6 sample(s) on 7/1/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1707001**
Date Reported: **7/7/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services
Project: Lube Oil Tank Spill
Lab ID: 1707001-001 **Matrix:** SOIL

Client Sample ID: WWT-B-C
Collection Date: 6/30/2017 8:35:00 AM
Received Date: 7/1/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	7/3/2017 11:40:38 AM	32612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	9.5	9.1		mg/Kg	1	7/1/2017 11:54:40 AM	32598
Motor Oil Range Organics (MRO)	380	46		mg/Kg	1	7/1/2017 11:54:40 AM	32598
Surr: DNOP	92.0	70-130		%Rec	1	7/1/2017 11:54:40 AM	32598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg	1	7/3/2017 10:35:58 AM	32585
Surr: BFB	96.6	54-150		%Rec	1	7/3/2017 10:35:58 AM	32585
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	7/3/2017 10:35:58 AM	32585
Toluene	ND	0.051		mg/Kg	1	7/3/2017 10:35:58 AM	32585
Ethylbenzene	ND	0.051		mg/Kg	1	7/3/2017 10:35:58 AM	32585
Xylenes, Total	ND	0.10		mg/Kg	1	7/3/2017 10:35:58 AM	32585
Surr: 4-Bromofluorobenzene	127	66.6-132		%Rec	1	7/3/2017 10:35:58 AM	32585

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1707001**
Date Reported: **7/7/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services
Project: Lube Oil Tank Spill
Lab ID: 1707001-002 **Matrix:** SOIL

Client Sample ID: VOT-B-C
Collection Date: 6/30/2017 8:45:00 AM
Received Date: 7/1/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	7/3/2017 11:53:02 AM	32612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/1/2017 12:08:47 PM	32598
Motor Oil Range Organics (MRO)	510	47		mg/Kg	1	7/1/2017 12:08:47 PM	32598
Surr: DNOP	92.6	70-130		%Rec	1	7/1/2017 12:08:47 PM	32598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	7/3/2017 10:59:51 AM	32585
Surr: BFB	89.8	54-150		%Rec	5	7/3/2017 10:59:51 AM	32585
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.098		mg/Kg	5	7/3/2017 10:59:51 AM	32585
Toluene	ND	0.20		mg/Kg	5	7/3/2017 10:59:51 AM	32585
Ethylbenzene	ND	0.20		mg/Kg	5	7/3/2017 10:59:51 AM	32585
Xylenes, Total	ND	0.39		mg/Kg	5	7/3/2017 10:59:51 AM	32585
Surr: 4-Bromofluorobenzene	119	66.6-132		%Rec	5	7/3/2017 10:59:51 AM	32585

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services
Project: Lube Oil Tank Spill
Lab ID: 1707001-003 **Matrix:** SOIL

Client Sample ID: LOT-B-C
Collection Date: 6/30/2017 8:50:00 AM
Received Date: 7/1/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	7/3/2017 12:05:27 PM	32612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2017 1:37:09 PM	32598
Motor Oil Range Organics (MRO)	71	48		mg/Kg	1	7/1/2017 1:37:09 PM	32598
Surr: DNOP	93.0	70-130		%Rec	1	7/1/2017 1:37:09 PM	32598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/3/2017 11:23:47 AM	32585
Surr: BFB	93.2	54-150		%Rec	1	7/3/2017 11:23:47 AM	32585
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.020		mg/Kg	1	7/3/2017 11:23:47 AM	32585
Toluene	ND	0.039		mg/Kg	1	7/3/2017 11:23:47 AM	32585
Ethylbenzene	ND	0.039		mg/Kg	1	7/3/2017 11:23:47 AM	32585
Xylenes, Total	ND	0.078		mg/Kg	1	7/3/2017 11:23:47 AM	32585
Surr: 4-Bromofluorobenzene	123	66.6-132		%Rec	1	7/3/2017 11:23:47 AM	32585

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1707001**
Date Reported: **7/7/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services
Project: Lube Oil Tank Spill
Lab ID: 1707001-004 **Matrix:** SOIL

Client Sample ID: LOT-SE-W-C
Collection Date: 6/30/2017 9:00:00 AM
Received Date: 7/1/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	7/3/2017 12:17:52 PM	32612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2017 12:11:12 PM	32598
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2017 12:11:12 PM	32598
Surr: DNOP	105	70-130		%Rec	1	7/1/2017 12:11:12 PM	32598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	7/3/2017 11:47:42 AM	32585
Surr: BFB	96.7	54-150		%Rec	1	7/3/2017 11:47:42 AM	32585
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.021		mg/Kg	1	7/3/2017 11:47:42 AM	32585
Toluene	ND	0.043		mg/Kg	1	7/3/2017 11:47:42 AM	32585
Ethylbenzene	ND	0.043		mg/Kg	1	7/3/2017 11:47:42 AM	32585
Xylenes, Total	ND	0.085		mg/Kg	1	7/3/2017 11:47:42 AM	32585
Surr: 4-Bromofluorobenzene	126	66.6-132		%Rec	1	7/3/2017 11:47:42 AM	32585

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1707001**
Date Reported: **7/7/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services
Project: Lube Oil Tank Spill
Lab ID: 1707001-005 **Matrix:** SOIL

Client Sample ID: LOT-SW-W-C
Collection Date: 6/30/2017 9:10:00 AM
Received Date: 7/1/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	7/3/2017 12:30:16 PM	32612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2017 12:35:54 PM	32598
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2017 12:35:54 PM	32598
Surr: DNOP	100	70-130		%Rec	1	7/1/2017 12:35:54 PM	32598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/3/2017 12:11:39 PM	32585
Surr: BFB	92.9	54-150		%Rec	1	7/3/2017 12:11:39 PM	32585
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	7/3/2017 12:11:39 PM	32585
Toluene	ND	0.038		mg/Kg	1	7/3/2017 12:11:39 PM	32585
Ethylbenzene	ND	0.038		mg/Kg	1	7/3/2017 12:11:39 PM	32585
Xylenes, Total	ND	0.077		mg/Kg	1	7/3/2017 12:11:39 PM	32585
Surr: 4-Bromofluorobenzene	121	66.6-132		%Rec	1	7/3/2017 12:11:39 PM	32585

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Detection Limit
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services
Project: Lube Oil Tank Spill
Lab ID: 1707001-006 **Matrix:** SOIL

Client Sample ID: LOT-NE-W-C
Collection Date: 6/30/2017 9:18:00 AM
Received Date: 7/1/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	7/3/2017 12:42:40 PM	32612
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/1/2017 12:50:41 PM	32598
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/1/2017 12:50:41 PM	32598
Surr: DNOP	88.8	70-130		%Rec	1	7/1/2017 12:50:41 PM	32598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	7/3/2017 12:35:35 PM	32585
Surr: BFB	95.3	54-150		%Rec	1	7/3/2017 12:35:35 PM	32585
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.020		mg/Kg	1	7/3/2017 12:35:35 PM	32585
Toluene	ND	0.040		mg/Kg	1	7/3/2017 12:35:35 PM	32585
Ethylbenzene	ND	0.040		mg/Kg	1	7/3/2017 12:35:35 PM	32585
Xylenes, Total	ND	0.080		mg/Kg	1	7/3/2017 12:35:35 PM	32585
Surr: 4-Bromofluorobenzene	125	66.6-132		%Rec	1	7/3/2017 12:35:35 PM	32585

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1707001**

07-Jul-17

Client: Williams Field Services

Project: Lube Oil Tank Spill

Sample ID	**MB-32612**	SampType:	**mblk**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**32612**		RunNo:	**43973**				
Prep Date:	**7/3/2017**	Analysis Date:	**7/3/2017**		SeqNo:	**1387098**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-32612**	SampType:	**lcs**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**32612**		RunNo:	**43973**				
Prep Date:	**7/3/2017**	Analysis Date:	**7/3/2017**		SeqNo:	**1387100**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.5	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1707001**

07-Jul-17

Client: Williams Field Services

Project: Lube Oil Tank Spill

Sample ID **MB-32598**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **32598**	RunNo: **43947**
Prep Date: **7/1/2017**	Analysis Date: **7/1/2017**	SeqNo: **1385465** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	70	130			

Sample ID **LCS-32598**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **32598**	RunNo: **43947**
Prep Date: **7/1/2017**	Analysis Date: **7/1/2017**	SeqNo: **1385466** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.1	73.2	114			
Surr: DNOP	5.1		5.000		103	70	130			

Sample ID **1707001-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WWT-B-C**	Batch ID: **32598**	RunNo: **43949**
Prep Date: **7/1/2017**	Analysis Date: **7/1/2017**	SeqNo: **1385557** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	9.5	47.30	9.541	60.6	55.8	122			
Surr: DNOP	4.5		4.730		96.0	70	130			

Sample ID **1707001-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WWT-B-C**	Batch ID: **32598**	RunNo: **43949**
Prep Date: **7/1/2017**	Analysis Date: **7/1/2017**	SeqNo: **1385558** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.7	48.26	9.541	57.5	55.8	122	2.50	20	
Surr: DNOP	4.7		4.826		96.4	70	130	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1707001**

07-Jul-17

Client: Williams Field Services

Project: Lube Oil Tank Spill

Sample ID **MB-32585**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **32585**	RunNo: **43972**
Prep Date: **6/30/2017**	Analysis Date: **7/3/2017**	SeqNo: **1386287** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.0	54	150			

Sample ID **LCS-32585**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **32585**	RunNo: **43972**
Prep Date: **6/30/2017**	Analysis Date: **7/3/2017**	SeqNo: **1386288** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	76.4	125			
Surr: BFB	1100		1000		105	54	150			

Sample ID **MB-32610**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **32610**	RunNo: **43996**
Prep Date: **7/3/2017**	Analysis Date: **7/5/2017**	SeqNo: **1387478** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		105	54	150			

Sample ID **LCS-32610**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **32610**	RunNo: **43996**
Prep Date: **7/3/2017**	Analysis Date: **7/5/2017**	SeqNo: **1387479** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		117	54	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1707001**

07-Jul-17

Client: Williams Field Services

Project: Lube Oil Tank Spill

Sample ID **MB-32585**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **32585**	RunNo: **43972**
Prep Date: **6/30/2017**	Analysis Date: **7/3/2017**	SeqNo: **1386307** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		123	66.6	132			

Sample ID **LCS-32585**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **32585**	RunNo: **43972**
Prep Date: **6/30/2017**	Analysis Date: **7/3/2017**	SeqNo: **1386308** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.025	1.000	0	117	80	120			
Toluene	1.2	0.050	1.000	0	118	80	120			
Ethylbenzene	1.2	0.050	1.000	0	119	80	120			
Xylenes, Total	3.6	0.10	3.000	0	120	80	120			
Surr: 4-Bromofluorobenzene	1.3		1.000		125	66.6	132			

Sample ID **MB-32610**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **32610**	RunNo: **43996**
Prep Date: **7/3/2017**	Analysis Date: **7/5/2017**	SeqNo: **1387510** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		102	66.6	132			

Sample ID **LCS-32610**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **32610**	RunNo: **43996**
Prep Date: **7/3/2017**	Analysis Date: **7/5/2017**	SeqNo: **1387511** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	66.6	132			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI Work Order Number: 1707001 RcptNo: 1

Received By: Andy Freeman 7/1/2017 10:30:00 AM

Completed By: Erin Melendrez 7/1/2017 10:37:27 AM

Reviewed By: 07/01/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted? ____
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: ____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: ____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Yes			

Chain-of-Custody Record

Client: Williams Field Service

Mailing Address: 1755 Arroyo Drive
Bloomfield New Mexico 87413

Phone #: 505-632-4625

email or Fax#: monica.sandoval@Williams

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☒ Rush overnight

Project Name: Lube Oil Tank spill

Project #: nw016298652

Project Manager: Monica Sandoval

Sampler: Mike Stahl

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.8°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

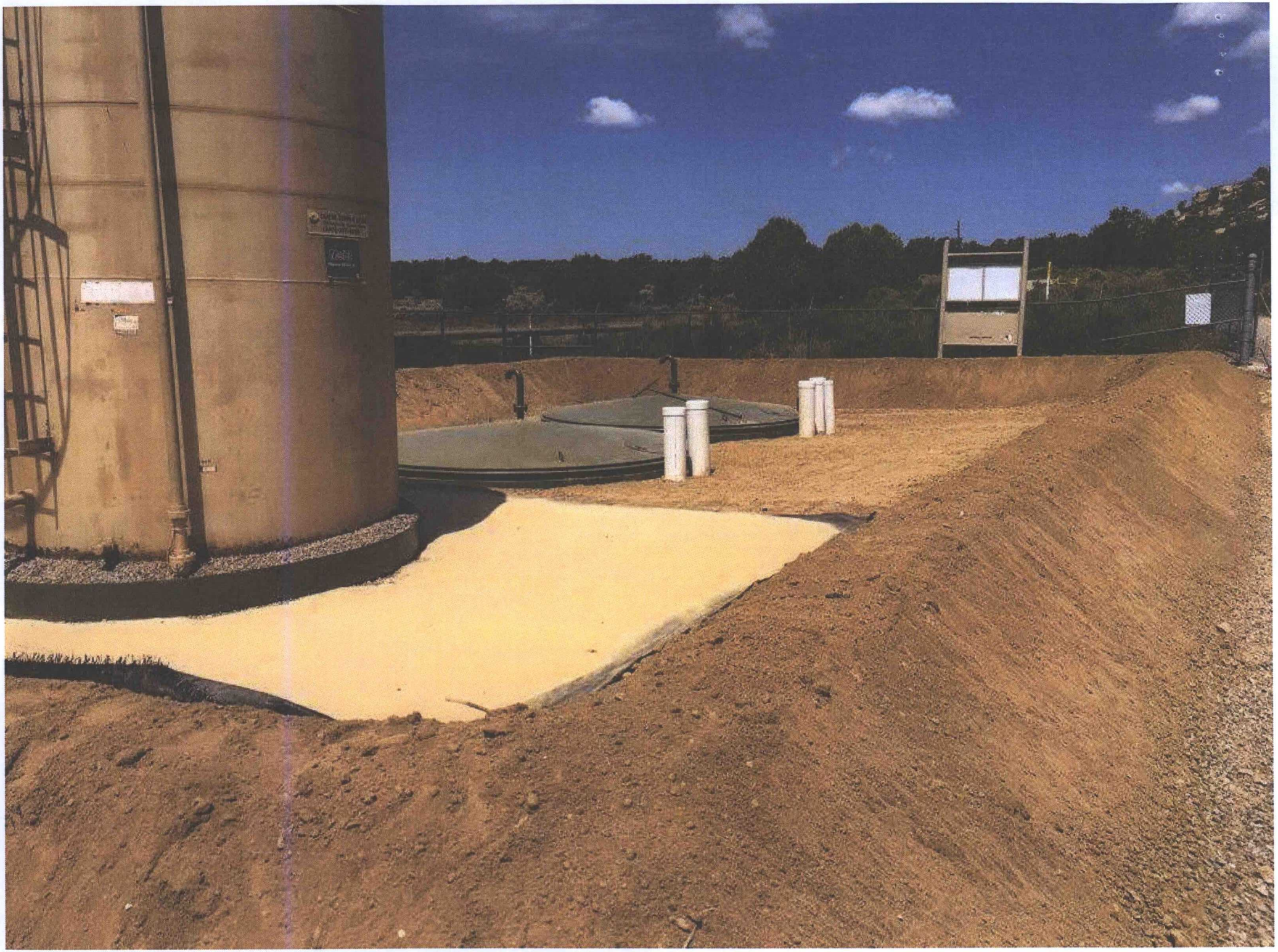
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1707001	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride				Air Bubbles (Y or N)
6-30-17	0835	soil	WWT-B-C	4 oz	ice	-001	X		X									X				
6-30-17	0845	soil	UOT-B-C	4 oz	ice	-002	X		X									X				
6-30-17	0850	soil	LOT-B-C	4 oz	ice	-003	X		X									X				
6-30-17	0900	soil	LOT-SE-W-C	4 oz	ice	-004	X		X									X				
6-30-17	0910	soil	LOT-SW-W-C	4 oz	ice	-005	X		X									X				
6-30-17	0918	soil	LOT-NE-W-C	4 oz	ice	-006	X		X									X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/30/17	1505	Mike Stahl	Chet Walt	6/30/17	1505
6/30/17	1818	Christa Waele		7/1/17	1030

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.


LUBE OIL
PRODUCED




LUBE OIL

From: Smith, Cory, EMNRD
To: Sandoval, Monica
Cc: Thomas, Leigh; Ruybalid, Tristen; Webre, Matt; Fields, Vanessa, EMNRD
Subject: [EXTERNAL] Williams 32-8 No.2 CDP BGT Closure Plans Assigned to C-144B 15942, 15943
Date: Wednesday, June 14, 2017 8:17:54 AM
Attachments: image001.png

Monica,
OCD has approved the Closure Plan Only for the Below Grade Tanks at the Williams 38-2 #2 CDP, Since the Facility does not have an API # our system did not allow us to scan the files to OCD Online. We have added a C-144 option and the capability is now available to the OCD. The Williams 38-2 #2 CDP Produced water tank and Used Oil Tank has been assigned as C-144-15942 and 15943. Williams may find the signed documents through the OCD website searching with that number(Instructions below). This will only be used for BGT that do not have an API#. All other C-144's will still be located in the well file associated with the API#.
To find the C-144

1. Navigate to http://ocdimage.emnrd.state.nm.us/imaging/AEOrderCriteria.aspx
2. In the Order Type drop down Box select "C144 – Below Grade Tank – (144B)
3. In the Order Number/Amendment Type in your given number
4. Click search

If you have any questions please give me a call. Please make sure you resend your Closure notification so we may have a chance to witness closure.

Thank you,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Smith, Cory, EMNRD
Sent: Wednesday, June 7, 2017 12:03 PM
To: 'Sandoval, Monica' <Monica.Sandoval@Williams.com>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Cc: Thomas, Leigh <l1thomas@blm.gov>; Ruybalid, Tristen <Tristen.Ruybalid@Williams.com>
Subject: RE: Notice of BGT Removal - 32-8 No.2 CDP

Monica,

Williams will need an Approved Closure Plan Prior to Closing the BGT. C-144 are processed in order in which they are received and typically within 7-14 Business days.

Also as a reminder, Prior to putting new BGT into service they need to registered.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Sandoval, Monica [mailto:Monica.Sandoval@Williams.com]
Sent: Wednesday, June 7, 2017 11:41 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Cc: Thomas, Leigh <l1thomas@blm.gov>; Ruybalid, Tristen <Tristen.Ruybalid@Williams.com>
Subject: Notice of BGT Removal - 32-8 No.2 CDP

Cory and Vanessa,

Please see attached two BGT removals at our 32-8#2 CDP. The removals are scheduled to take place next week beginning on Monday June 12, 2017. I have included a variance request in the attached document. I plan on sending a separate email for the variance later today.

After the tanks are removed they will be replaced, as soon as I get the tank information from operations I will submit the BGT registrations.

The attached copies will be placed in today's outgoing mail.

Please let me know if you have any questions regarding the proposed BGT removal and/ or schedule.

Thank-you,

Monica Sandoval | Williams | Environmental Specialist | Operational Excellence – Four Corners Area, LLC
Office: 505-632-4625 | Cell: 505-947-1852 | 1775 Arroyo Dr. Bloomfield, NM 87413

From: Webre, Matt
To: Sandoval, Monica
Cc: Graham, Jesse; Lucero, Christopher
Subject: Sampling at 32-8 #2
Date: Friday, June 30, 2017 8:45:07 AM
Attachments: image001.png

Vanessa with OCD called and they are not planning on witnessing the BGT confirmation sampling this morning. I called Mike and told him to perform the following sampling and approved the lab to rush the samples.

1. Waste oil BGT – collect one composite sample from below the BGT
2. Produced water BGT - collect one composite sample from below the BGT
3. Lube oil tank excavation - collect one composite sample from the base of the excavation and one from each side wall for a total of 4 samples since one sidewall is not present due to the BGT excavation

We should get the results on Monday so please call with any questions.

Matt Webre, PG | Williams | Supervisor EH&S | West Safety and Environmental
Office: 505-632-4442 | Cell: 505-215-8059 | 1755 Arroyo Drive, Bloomfield, NM 87413

From:	Webre, Matt
To:	Smith, Cory, EMNRD
Cc:	Graham, Jesse;Lucero, Christopher; Sandoval, Monica; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)
Subject:	Sampling at 32-8 #2
Date:	Thursday, June 29, 2017 9:52:35 AM
Attachments:	image001.png

Cory,

We are ready to sample at 32-8 #2 today to close out the BGTs. We had a miscommunication and we failed to notify you yesterday. If you happen to be in the area today, please let us know as the crew is ready at this time. If today will not work for you, please plan on sampling tomorrow morning at 9 AM at the site.

If it is possible that we can sample today without OCD oversight, please let me know. If you recall, we did complete an investigation last year to define the extent of impacts and they were within 2 feet of bottom of the tanks. I was told we excavated 5 feet below the tanks so we feel that field data indicates we should be clean.

Matt Webre, PG | Williams | Supervisor EH&S | West Safety and Environmental
Office: 505-632-4442 | Cell: 505-215-8059 | 1755 Arroyo Drive, Bloomfield, NM 87413