

GW-328

C-144

Date: 2015

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

Form C-144
Revised August 1, 2011

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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

11475

- Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Modification to an existing permit
 Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, 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: 188 County Road 4900, Bloomfield, NM 87413
Facility or well name: Thompson Compressor Station
API Number: Not Applicable OCD Permit Number: _____
U/L or Qtr/Qtr P Section 4 Township 30 N Range 12 W County San Juan
Center of Proposed Design: Latitude 36.834019 Longitude -107.097793 NAD: 1927 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2.
 Pit: Subsection F or G of 19.15.17.11 NMAC
Temporary: Drilling Workover
 Permanent Emergency Cavitation P&A
 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 _____

RCVD DEC 3 '13
OIL CONS. DIV.
DIST. 3

3.
 Closed-loop System: Subsection H of 19.15.17.11 NMAC
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
 Drying Pad Above Ground Steel Tanks Haul-off Bins Other _____
 Lined Unlined Liner type: Thickness _____ mil LLDPE HDPE PVC Other _____
Liner Seams: Welded Factory Other _____

4.
 Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: 70 bbl Type of fluid: Produced Water
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 Single wall, double bottom
Liner type: Thickness _____ mil HDPE PVC Other _____

5.
 Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.

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 _____

7.

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)

8.

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

9.

Administrative Approvals 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:

- Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.
- Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.

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. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.*

- | | |
|--|---|
| <p>Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.</p> <ul style="list-style-type: none"> - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>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).</p> <ul style="list-style-type: none"> - Topographic map; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>)</p> <ul style="list-style-type: none"> - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA |
| <p>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to permanent pits</i>)</p> <ul style="list-style-type: none"> - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA |
| <p>Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.</p> <ul style="list-style-type: none"> - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>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.</p> <ul style="list-style-type: none"> - Written confirmation or verification from the municipality; Written approval obtained from the municipality | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>Within 500 feet of a wetland.</p> <ul style="list-style-type: none"> - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>Within the area overlying a subsurface mine.</p> <ul style="list-style-type: none"> - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division. | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>Within an unstable area.</p> <ul style="list-style-type: none"> - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>Within a 100-year floodplain.</p> <ul style="list-style-type: none"> - FEMA map | <input type="checkbox"/> Yes <input type="checkbox"/> No |

11.

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: _____

12.

Closed-loop Systems 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.

- Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- Siting Criteria Compliance Demonstrations (only for on-site closure) - 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: _____
- Previously Approved Operating and Maintenance Plan API Number: _____ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13.

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 H₂S, 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

14.

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 Closed-loop System
 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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.

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 F 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 I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16.

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)

Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

Yes (If yes, please provide the information below) No

Required for impacted areas which will not be used for future service and operations:

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 I of 19.15.17.13 NMAC

Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

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 may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

- Ground water is less than 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 between 50 and 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
- 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 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 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 private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, 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
- 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 500 feet of a wetland.
 - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 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

18.

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 F of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements 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 Subsection F of 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F 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 I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.

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): Graham Stahnke, PE Title: Environmental Specialist
Signature: [Signature] Date: November 18, 2013
e-mail address: graham.stahnke@williams.com Telephone: (505) 632-4606

20.

OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)

OCD Representative Signature: [Signature] Approval Date: 12/3/2013
Title: Compliance Officer OCD Permit Number: _____

21.

Closure Report (required within 60 days of closure completion): Subsection K of 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: _____

22.

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.

23.

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____
Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?
 Yes (If yes, please demonstrate compliance to the items below) No

Required for impacted areas which will not be used for future service and operations:

- Site Reclamation (Photo Documentation)
- Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique

24.

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)
- 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

25.

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): _____ Title: _____
Signature: _____ Date: _____
e-mail address: _____ Telephone: _____



Williams Four Corners LLC

Closure Plan for Below Grade Tanks

San Juan Basin – New Mexico

Background

The following Closure Plan has been developed to satisfy requirements of the "Pit Rule" as defined in 19.15.17.11 New Mexico Administrative Code (NMAC) and describes the requirements and procedures to be used by Williams Four Corners LLC (WFC) when removing below grade tanks (BGTs). The plan will be used when closing BGT locations near term, and for all BGTs which are required to be closed by June 15, 2013. This plan shall also be used when closing any other BGT operated by WFC.

Certain below grade tanks targeted under this closure plan were, in some cases, installed subsequent to earthen pit closures and were constructed in conformance with New Mexico Oil Conservation Division (NMOCD) approved criteria. All BGTs have been operating in general compliance with NMOCD regulations developed prior to the new Pit Rule enacted in June 2008.

Applicability

This plan shall be implemented when any BGT is retired or removed from service due to operational considerations or when tank integrity is compromised beyond repair. Closure shall commence within 60 days of cessation of use or sooner if directed by NMOCD.

The plan shall also be used if any leaking BGT is not retrofitted or modified to comply with applicable design criteria defined in the Pit Rule or when it is determined that continued operation of the BGT represents an imminent danger to fresh water, human health or the environment. All BGTs with or without completely visible sidewalls, and that do not meet current design standards, shall be closed prior to sale, transfer, or change of Operator or be retrofitted to meet current design standards. In any event, all single walled tanks without completely visible sidewalls shall be closed by June 15, 2013 in accordance with the provisions herein.

If there are conditions at a BGT location which prevent or limit adherence to this plan, a separate site specific plan will be developed. Such a plan will be prepared and submitted to the NMOCD for approval and serve as a new, site specific closure plan.

Description of Work

Prior to initiating BGT closure work, notification will be made to the NMOCD Aztec Office 3-7 days before work is scheduled. In addition, the landowner of record (obtained through county tax records) will be notified in advance by certified mail with return receipt. Notifications will provide operator identity, and legal location of the BGT, and the well name / number and American Petroleum Institute (API) number if the BGT is associated with a well. Notification to NMOCD will be made via email or by phone. If prudent, and contingent upon work schedules and manpower assignments, more than one location may be included in a single communication.

Discharge to the BGT will be eliminated and all piping removed or re-routed as appropriate. The liquid contents in the tank will be removed and shipped for disposal at an NMOCD approved and permitted facility. Williams may utilize other facilities which may be approved by the NMOCD in the future. As such, the selected disposal site will be identified on the closure form (C-144) prepared for each discrete closure action. Table 1 provides a summary of waste materials and the facility proposed for disposal or recycling.

Table 1. Summary of Waste Materials and Disposal Facilities

Waste Materials	Disposal Facility
Steel Tank	SJ County Landfill or Steel Recycling
Fiberglass Tank	SJ County or Bondad Landfill * or Re-use
Liner (cleaned – absent soil / sludge)	SJ County or Bondad Landfill
Sludge	Envirotech, IEI, TNT, or Bondad Landfill
Liquids (Water / Hydrocarbons)	Basin Disposal, Key Energy, TNT
Contaminated Soil	Envirotech, IEI, TNT, or Bondad Landfill
Fencing / Miscellaneous	Re-use or scrap

*The tank must be empty, cut up or shredded and EPA clean

Permit Numbers and additional approved facilities are listed on the attached spreadsheet.

The use of any disposal or recycling facility will be identified on the C-144 form submitted to the NMOCD as part of the closure report. Any and all ancillary equipment related to the tank will also be removed, including any synthetic liner material(s) and fencing. Williams will ensure that liners and liner material will be free of soil and sludge material and disposed of at a NMOCD approved solid waste facility (e.g. San Juan County Landfill or Permitted Colorado Facility).

Steel or fiberglass tanks will be removed and shipped to a WFC storage yard where the condition of each tank will be evaluated for recycling, reuse, or disposal, subject to NMOCD approval. If the tank is not in a condition allowing reuse, it will either be shipped to a permitted recycling facility (for steel tanks) or it will be disposed of at the San Juan County Landfill (NMED Permit SWM-052426) or other NMOCD approved solid waste disposal site. Specific waste acceptance conditions of the landfill could necessitate further actions as appropriate. Such actions include, but may not be limited to, cutting, shredding, or sizing; emptying or cleaning of tanks or liner material, and otherwise those necessary to conform with permit conditions for Subtitle D disposal and conditions identified in 19.15.35.8 NMAC.

After the tank and equipment have been removed, soils beneath the tank will be tested and evaluated to determine if there is hydrocarbon impact or otherwise if a release event has occurred. Specific sampling protocol will follow the description provided in the Pit Rule which calls for a five point composite sample (see Sampling and Lab Analyses section). Additional grab samples will be collected if there is obvious staining, or when wet or discolored soil exists, or if there is other evidence of soil impact(s). Samples will be shipped to an off-site environmental testing laboratory for proper analyses. Results will be submitted to the NMOCD on form C-141. Further sampling may be required if NMOCD determines additional assessment work is necessary.

If there has been no release to underlying soils as demonstrated by soil analyses (i.e. lab results), or if impacts are below closure limits provided in the table below, then the depression (i.e., excavation) will be backfilled with “non-waste containing” fill material. Depending on site conditions and operating needs, the backfilled area will be reclaimed with prescribed topsoil and reseeded.

If NMOCD or WFC determines a release event has occurred, WFC will comply with 19.15.29 NMAC and/or 19.15.30 NMAC as appropriate. If analyses of soils excavated in conjunction with the BGT removal should reveal contaminant concentrations at or below specified closure limits presented in Table 2, then the soil may be returned to the excavation and covered with prescribed soil cover. Sampling of the excavated material is detailed in the Sampling and Laboratory Analyses section later in this plan.

Due to the fact that a majority of WFC BGTs are located on active well sites, reclamation efforts may be deferred in order to avoid impact to ongoing lease operations. In this event, the area of the retired BGT will be incorporated into the overall well site reclamation effort with WFC documenting surface owner and lease operator approval of the proposed alternative.

The BGT site will nevertheless be prepared to prevent erosion, and protect fresh water, human health, and the environment. WFC will submit this documentation to the NMOCD for approval.

Restoration efforts shall incorporate proper contouring as described in the Pit Rule and shall be constructed in a manner to prevent ponding and erosion, using drainage controls such as water bars and/or silt traps as appropriate. Soil cover (suitable for vegetative growth) will be equivalent to the background thickness of topsoil or minimum one foot depth (or background thickness whichever is greater). The area will be contoured in a manner blending soil into/with the surrounding grade. Reclamation shall target the location of the BGT along with associated access roads (not used for production operations) and be implemented to ensure a safe and stable condition that blends with the surrounding undisturbed area.

Re-vegetation efforts will conform with NMOCD approved methods and recommendations including seed type and application rates and shall effect cover equaling 70% of native perennial vegetation. Re-vegetation shall establish at least three native plant species, including at least one grass, but not including any noxious weeds, through two successive growing seasons. Seeding will be accomplished by drilling on the contour whenever practicable or by other NMOCD approved methods.

Seeding efforts will be initiated during the first growing season after closure work is approved and be repeated until re-vegetation is successful. Notification will be made to NMOCD anytime seeding efforts begin and when successful re-vegetation is sustained. Adverse growing conditions (e.g. drought, etc.) may cause delay until conditions are more favorable or necessitate enhanced cultivation techniques (e.g. mulching, irrigating, etc.) as approved by NMOCD.

Sampling and Laboratory Analyses

A minimum five point composite sample shall be collected from the soils beneath the BGT and one or more grab samples from each area that is wet, discolored or showing other evidence of a release. Sampled soil will be placed in clean glass jars and cooled and maintained at 39°F. Samples will be packaged and shipped under United States Environmental Protection Agency (USEPA) Chain-of-Custody protocol to an approved and certified environmental laboratory.

Soil samples collected from the earthen containment (i.e. BGT excavation) will be analyzed by an approved environmental laboratory by the listed test methods or as may

be directed by the NMOCD. Table 2 summarizes the constituents of concern (COC), testing methods, and the closure limits defining action levels:

Table 2. Summary of COCs, Test Methods, and Closure Limits

Constituents of Concern	Test Methods	Closure Limits (mg/Kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2
BTEX	EPA SW-846 Method 8021B or 8260B	50
TPH	Method 418.1++	100
Chlorides	EPA SW-846 Method 300.1	250*

* Or background concentration – whichever is greater.

++ Not currently used USEPA Method (Replaced by Method 1664). Method 418.1 is required by NMOCD.

In the event soil is found to have contaminants in excess of the action levels above, requirements of 19.15.29 NMAC and 19.15.30 NMAC shall dictate further actions. Such action would likely include development of a Remedial Action Plan or Abatement Plan as specified under those Rules.

Sampling of any excavated or stockpiled material shall conform with standard environmental sampling protocol. Samples from excavated materials (excavated to facilitate the BGT removal) will be composite samples comprised of at least five discrete samples from the inside and on the surface of the soil pile. A minimum of one composite will be collected from each 25 cubic yards of soil (i.e. one fraction from each cubic yard). Every effort will be made to collect composite fractions from the inside and outside of the soil pile such that a “representative” sample is analyzed.

Stockpile sampling will be facilitated by utilizing a clean soil probe inserted into the soil pile at least three feet or by turning the soil pile with mechanized equipment to expose new soil. The goal is to collect a sample representative of the “whole”. These samples will be handled and packaged as described above and be analyzed by the methods listed in Table 2. Soil with contaminant concentrations at or below the Closure Limits may be returned to the BGT excavation prior to initiating reclamation work.

Records and Documentation

All closure activities will be properly documented and include preparation of Form C-144 which shall be submitted to the NMOCD within 60 days of completing closure tasks. Information to be included in the closure report filing shall include, but not necessarily be limited to, the following:

- Proof of closure notice to division and surface owner(s)
- Confirmation sampling and analytical reports (results)
- Disposal facility name and permit information
- Description of capping and reclamation actions (i.e. revegetation rates)
- Photo documentation of site reclamation
- Other information required to complete applicable sections of C-144

As stated above, should conditions at any location necessitate a change to the approach described herein, separate site specific closure details will be provided as an addendum to this plan.



Environmental Affairs
188 County Road 4900
Bloomfield, NM 87413
505/632-4600
505/632-4781 Fax

December 3, 2013

Mr. Jonathan Kelly
New Mexico Oil Conservation Division
1000 Rio Brazos
Aztec, NM 87410

RCVD DEC 3 '13
OIL CONS. DIV.
DIST. 3

RE: Below-Grade Tank Closure Plan Approval Request, Thompson Compressor Station, San Juan County, New Mexico

Dear Mr. Kelly,

Attached is a C-144 Below-Grade Tank Closure Application for closure of a below grade tank (BGT), identified as T-10, operated by Williams Four Corners LLC (Williams). The tank was located at the Thompson Compressor Station in a common lined pit and was taken out of service on November 9, 2013.

Williams requests a variance from the Pit Rule for use of Total Petroleum Hydrocarbons (TPH) via EPA SW-846 Method 418.1 for closure. We propose to use the sum of Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) via EPA SW-846 Method 8015M.

Please contact me at (505) 632-4606 with any questions regarding this closure.

Sincerely,

Graham Stahnke, PE
Environmental Specialist

Attachments:

C-144 BGT T-9

Williams Four Corners LLC, Closure Plan for Below Grade Tanks, San Juan Basin – New Mexico

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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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

11474

Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
 Modification to an existing permit
 Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, 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: 188 County Road 4900, Bloomfield, NM 87413
Facility or well name: Thompson Compressor Station
API Number: Not Applicable OCD Permit Number: _____
U/L or Qtr/Qtr P Section 4 Township 30 N Range 12 W County San Juan
Center of Proposed Design: Latitude 36.834019 Longitude -107.097793 NAD: 1927 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment

2.
 Pit: Subsection F or G of 19.15.17.11 NMAC
Temporary: Drilling Workover
 Permanent Emergency Cavitation P&A
 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 _____

RCVD DEC 3 '13
OIL CONS. DIV.
DIST. 3

3.
 Closed-loop System: Subsection H of 19.15.17.11 NMAC
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
 Drying Pad Above Ground Steel Tanks Haul-off Bins Other _____
 Lined Unlined Liner type: Thickness _____ mil LLDPE HDPE PVC Other _____
Liner Seams: Welded Factory Other _____

4.
 Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: 50 bbl Type of fluid: Produced Water
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 Single wall, double bottom
Liner type: Thickness _____ mil HDPE PVC Other _____

5.
 Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.

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 _____

7.

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)

8.

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

9.

Administrative Approvals 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:

- Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.
- Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.

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. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.*

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No
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	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to permanent pits</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

11.

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: _____

12.

Closed-loop Systems 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.

- Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- Siting Criteria Compliance Demonstrations (only for on-site closure) - 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: _____

Previously Approved Operating and Maintenance Plan API Number: _____ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13.

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 H₂S, 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

14.

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 Closed-loop System
 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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.

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 F 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 I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16.

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)

Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

Yes (If yes, please provide the information below) No

Required for impacted areas which will not be used for future service and operations:

- 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 I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

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 may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

- | | |
|---|---|
| <p>Ground water is less than 50 feet below the bottom of the buried waste.</p> <ul style="list-style-type: none"> - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <p><input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA</p> |
| <p>Ground water is between 50 and 100 feet below the bottom of the buried waste</p> <ul style="list-style-type: none"> - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <p><input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA</p> |
| <p>Ground water is more than 100 feet below the bottom of the buried waste.</p> <ul style="list-style-type: none"> - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <p><input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> NA</p> |
| <p>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).</p> <ul style="list-style-type: none"> - Topographic map; Visual inspection (certification) of the proposed site | <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> |
| <p>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</p> <ul style="list-style-type: none"> - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> |
| <p>Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.</p> <ul style="list-style-type: none"> - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site | <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> |
| <p>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.</p> <ul style="list-style-type: none"> - Written confirmation or verification from the municipality; Written approval obtained from the municipality | <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> |
| <p>Within 500 feet of a wetland.</p> <ul style="list-style-type: none"> - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> |
| <p>Within the area overlying a subsurface mine.</p> <ul style="list-style-type: none"> - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> |
| <p>Within an unstable area.</p> <ul style="list-style-type: none"> - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map | <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> |
| <p>Within a 100-year floodplain.</p> <ul style="list-style-type: none"> - FEMA map | <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> |

18.

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 F of 19.15.17.13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements 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 Subsection F of 19.15.17.13 NMAC
- Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F 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 I of 19.15.17.13 NMAC
- Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.

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): Graham Stahnke, PE Title: Environmental Specialist
Signature: [Signature] Date: November 18, 2013
e-mail address: graham.stahnke@williams.com Telephone: (505) 632-4606

20.

OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)

OCD Representative Signature: [Signature] Approval Date: 12/3/2013
Title: Compliance Officer OCD Permit Number: _____

21.

Closure Report (required within 60 days of closure completion): Subsection K of 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: _____

22.

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.

23.

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____
Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?
 Yes (If yes, please demonstrate compliance to the items below) No

Required for impacted areas which will not be used for future service and operations:

- Site Reclamation (Photo Documentation)
- Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique

24.

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)
- 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

25.

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): _____ Title: _____
Signature: _____ Date: _____
e-mail address: _____ Telephone: _____



Williams Four Corners LLC
Closure Plan for Below Grade Tanks
San Juan Basin – New Mexico

Background

The following Closure Plan has been developed to satisfy requirements of the "Pit Rule" as defined in 19.15.17.11 New Mexico Administrative Code (NMAC) and describes the requirements and procedures to be used by Williams Four Corners LLC (WFC) when removing below grade tanks (BGTs). The plan will be used when closing BGT locations near term, and for all BGTs which are required to be closed by June 15, 2013. This plan shall also be used when closing any other BGT operated by WFC.

Certain below grade tanks targeted under this closure plan were, in some cases, installed subsequent to earthen pit closures and were constructed in conformance with New Mexico Oil Conservation Division (NMOCD) approved criteria. All BGTs have been operating in general compliance with NMOCD regulations developed prior to the new Pit Rule enacted in June 2008.

Applicability

This plan shall be implemented when any BGT is retired or removed from service due to operational considerations or when tank integrity is compromised beyond repair. Closure shall commence within 60 days of cessation of use or sooner if directed by NMOCD.

The plan shall also be used if any leaking BGT is not retrofitted or modified to comply with applicable design criteria defined in the Pit Rule or when it is determined that continued operation of the BGT represents an imminent danger to fresh water, human health or the environment. All BGTs with or without completely visible sidewalls, and that do not meet current design standards, shall be closed prior to sale, transfer, or change of Operator or be retrofitted to meet current design standards. In any event, all single walled tanks without completely visible sidewalls shall be closed by June 15, 2013 in accordance with the provisions herein.

- 7 If there are conditions at a BGT location which prevent or limit adherence to this plan, a separate site specific plan will be developed. Such a plan will be prepared and submitted to the NMOCD for approval and serve as a new, site specific closure plan.

Description of Work

Prior to initiating BGT closure work, notification will be made to the NMOCD Aztec Office 3-7 days before work is scheduled. In addition, the landowner of record (obtained through county tax records) will be notified in advance by certified mail with return receipt. Notifications will provide operator identity, and legal location of the BGT, and the well name / number and American Petroleum Institute (API) number if the BGT is associated with a well. Notification to NMOCD will be made via email or by phone. If prudent, and contingent upon work schedules and manpower assignments, more than one location may be included in a single communication.

Discharge to the BGT will be eliminated and all piping removed or re-routed as appropriate. The liquid contents in the tank will be removed and shipped for disposal at an NMOCD approved and permitted facility. Williams may utilize other facilities which may be approved by the NMOCD in the future. As such, the selected disposal site will be identified on the closure form (C-144) prepared for each discrete closure action. Table 1 provides a summary of waste materials and the facility proposed for disposal or recycling.

Table 1. Summary of Waste Materials and Disposal Facilities

Waste Materials	Disposal Facility
Steel Tank	SJ County Landfill or Steel Recycling
Fiberglass Tank	SJ County or Bondad Landfill * or Re-use
Liner (cleaned – absent soil / sludge)	SJ County or Bondad Landfill
Sludge	Envirotech, IEI, TNT, or Bondad Landfill
Liquids (Water / Hydrocarbons)	Basin Disposal, Key Energy, TNT
Contaminated Soil	Envirotech, IEI, TNT, or Bondad Landfill
Fencing / Miscellaneous	Re-use or scrap

*The tank must be empty, cut up or shredded and EPA clean
 Permit Numbers and additional approved facilities are listed on the attached spreadsheet.

The use of any disposal or recycling facility will be identified on the C-144 form submitted to the NMOCD as part of the closure report. Any and all ancillary equipment related to the tank will also be removed, including any synthetic liner material(s) and fencing. Williams will ensure that liners and liner material will be free of soil and sludge material and disposed of at a NMOCD approved solid waste facility (e.g. San Juan County Landfill or Permitted Colorado Facility).

Steel or fiberglass tanks will be removed and shipped to a WFC storage yard where the condition of each tank will be evaluated for recycling, reuse, or disposal, subject to NMOCD approval. If the tank is not in a condition allowing reuse, it will either be shipped to a permitted recycling facility (for steel tanks) or it will be disposed of at the San Juan County Landfill (NMED Permit SWM-052426) or other NMOCD approved solid waste disposal site. Specific waste acceptance conditions of the landfill could necessitate further actions as appropriate. Such actions include, but may not be limited to, cutting, shredding, or sizing; emptying or cleaning of tanks or liner material, and otherwise those necessary to conform with permit conditions for Subtitle D disposal and conditions identified in 19.15.35.8 NMAC.

After the tank and equipment have been removed, soils beneath the tank will be tested and evaluated to determine if there is hydrocarbon impact or otherwise if a release event has occurred. Specific sampling protocol will follow the description provided in the Pit Rule which calls for a five point composite sample (see Sampling and Lab Analyses section). Additional grab samples will be collected if there is obvious staining, or when wet or discolored soil exists, or if there is other evidence of soil impact(s). Samples will be shipped to an off-site environmental testing laboratory for proper analyses. Results will be submitted to the NMOCD on form C-141. Further sampling may be required if NMOCD determines additional assessment work is necessary.

If there has been no release to underlying soils as demonstrated by soil analyses (i.e. lab results), or if impacts are below closure limits provided in the table below, then the depression (i.e., excavation) will be backfilled with "non-waste containing" fill material. Depending on site conditions and operating needs, the backfilled area will be reclaimed with prescribed topsoil and reseeded.

If NMOCD or WFC determines a release event has occurred, WFC will comply with 19.15.29 NMAC and/or 19.15.30 NMAC as appropriate. If analyses of soils excavated in conjunction with the BGT removal should reveal contaminant concentrations at or below specified closure limits presented in Table 2, then the soil may be returned to the excavation and covered with prescribed soil cover. Sampling of the excavated material is detailed in the Sampling and Laboratory Analyses section later in this plan.

Due to the fact that a majority of WFC BGTs are located on active well sites, reclamation efforts may be deferred in order to avoid impact to ongoing lease operations. In this event, the area of the retired BGT will be incorporated into the overall well site reclamation effort with WFC documenting surface owner and lease operator approval of the proposed alternative.

The BGT site will nevertheless be prepared to prevent erosion, and protect fresh water, human health, and the environment. WFC will submit this documentation to the NMOCD for approval.

Restoration efforts shall incorporate proper contouring as described in the Pit Rule and shall be constructed in a manner to prevent ponding and erosion, using drainage controls such as water bars and/or silt traps as appropriate. Soil cover (suitable for vegetative growth) will be equivalent to the background thickness of topsoil or minimum one foot depth (or background thickness whichever is greater). The area will be contoured in a manner blending soil into/with the surrounding grade. Reclamation shall target the location of the BGT along with associated access roads (not used for production operations) and be implemented to ensure a safe and stable condition that blends with the surrounding undisturbed area.

Re-vegetation efforts will conform with NMOCD approved methods and recommendations including seed type and application rates and shall effect cover equaling 70% of native perennial vegetation. Re-vegetation shall establish at least three native plant species, including at least one grass, but not including any noxious weeds, through two successive growing seasons. Seeding will be accomplished by drilling on the contour whenever practicable or by other NMOCD approved methods.

Seeding efforts will be initiated during the first growing season after closure work is approved and be repeated until re-vegetation is successful. Notification will be made to NMOCD anytime seeding efforts begin and when successful re-vegetation is sustained. Adverse growing conditions (e.g. drought, etc.) may cause delay until conditions are more favorable or necessitate enhanced cultivation techniques (e.g. mulching, irrigating, etc.) as approved by NMOCD.

Sampling and Laboratory Analyses

A minimum five point composite sample shall be collected from the soils beneath the BGT and one or more grab samples from each area that is wet, discolored or showing other evidence of a release. Sampled soil will be placed in clean glass jars and cooled and maintained at 39°F. Samples will be packaged and shipped under United States Environmental Protection Agency (USEPA) Chain-of-Custody protocol to an approved and certified environmental laboratory.

Soil samples collected from the earthen containment (i.e. BGT excavation) will be analyzed by an approved environmental laboratory by the listed test methods or as may

be directed by the NMOCD. Table 2 summarizes the constituents of concern (COC), testing methods, and the closure limits defining action levels:

Table 2. Summary of COCs, Test Methods, and Closure Limits

Constituents of Concern	Test Methods	Closure Limits (mg/Kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2
BTEX	EPA SW-846 Method 8021B or 8260B	50
TPH	Method 418.1++	100
Chlorides	EPA SW-846 Method 300.1	250*

* Or background concentration – whichever is greater.

++ Not currently used USEPA Method (Replaced by Method 1664). Method 418.1 is required by NMOCD.

In the event soil is found to have contaminants in excess of the action levels above, requirements of 19.15.29 NMAC and 19.15.30 NMAC shall dictate further actions. Such action would likely include development of a Remedial Action Plan or Abatement Plan as specified under those Rules.

Sampling of any excavated or stockpiled material shall conform with standard environmental sampling protocol. Samples from excavated materials (excavated to facilitate the BGT removal) will be composite samples comprised of at least five discrete samples from the inside and on the surface of the soil pile. A minimum of one composite will be collected from each 25 cubic yards of soil (i.e. one fraction from each cubic yard). Every effort will be made to collect composite fractions from the inside and outside of the soil pile such that a “representative” sample is analyzed.

Stockpile sampling will be facilitated by utilizing a clean soil probe inserted into the soil pile at least three feet or by turning the soil pile with mechanized equipment to expose new soil. The goal is to collect a sample representative of the “whole”. These samples will be handled and packaged as described above and be analyzed by the methods listed in Table 2. Soil with contaminant concentrations at or below the Closure Limits may be returned to the BGT excavation prior to initiating reclamation work.

Records and Documentation

All closure activities will be properly documented and include preparation of Form C-144 which shall be submitted to the NMOCD within 60 days of completing closure tasks. Information to be included in the closure report filing shall include, but not necessarily be limited to, the following:

- Proof of closure notice to division and surface owner(s)
- Confirmation sampling and analytical reports (results)
- Disposal facility name and permit information
- Description of capping and reclamation actions (i.e. revegetation rates)
- Photo documentation of site reclamation
- Other information required to complete applicable sections of C-144

As stated above, should conditions at any location necessitate a change to the approach described herein, separate site specific closure details will be provided as an addendum to this plan.



Environmental Affairs
188 County Road 4900
Bloomfield, NM 87413
505/632-4600
505/632-4781 Fax

December 3, 2013

Mr. Jonathan Kelly
New Mexico Oil Conservation Division
1000 Rio Brazos
Aztec, NM 87410

RCVD DEC 3 '13
OIL CONS. DIV.
DIST. 3

RE: Below-Grade Tank Closure Plan Approval Request, Thompson Compressor Station, San Juan County, New Mexico

Dear Mr. Kelly,

Attached is a C-144 Below-Grade Tank Closure Application for closure of a below grade tank (BGT), identified as T-9, operated by Williams Four Corners LLC (Williams). The tank was located at the Thompson Compressor Station in a common lined pit and was taken out of service on November 9, 2013.

Williams requests a variance from the Pit Rule for use of Total Petroleum Hydrocarbons (TPH) via EPA SW-846 Method 418.1 for closure. We propose to use the sum of Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) via EPA SW-846 Method 8015M.

Please contact me at (505) 632-4606 with any questions regarding this closure.

Sincerely,

Graham Stahnke, PE
Environmental Specialist

Attachments:

C-144 BGT T-9

Williams Four Corners LLC, Closure Plan for Below Grade Tanks, San Juan Basin – New Mexico

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

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

12656 Proposed Alternative Method Permit or Closure Plan Application

RECEIVED

- 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

FEB 02 2015

NMOCD
DISTRICT III

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: 188 County Road 4900, Bloomfield, NM 87413
Facility or well name: Thompson Compressor Station
API Number: _____ OCD Permit Number: _____
U/L or Qtr/Qtr P Section 4 Township 30N Range 12W County: San Juan
Center of Proposed Design: Latitude N36.834839 Longitude W108.098698 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
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: 50 BBL bbl Type of fluid: Produced Water
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 Single wall, double bottom
Liner type: Thickness _____ 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.

Variations 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 H₂S, 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

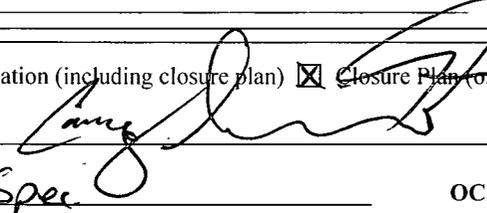
17.
Operator Application Certification:
 I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

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

OCD Representative Signature:  Approval Date: 2/5/15

Title: Environmental Spec 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: 10/28/2014

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

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): Matt Webre Title: Supervisor, Environmental Services

Signature:  Date: November 17, 2014

e-mail address: matt.webre@williams.com Telephone: 505-632-4442

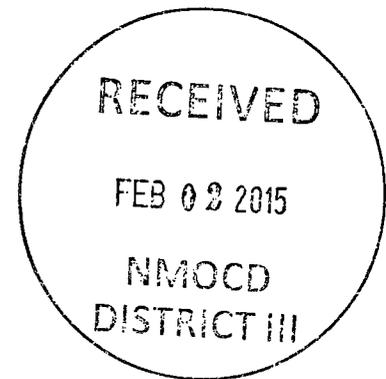


188 County Road 4900
Bloomfield, NM 87413
(505) 632-4700
Fax (505) 632-4782

US Mail

November 13, 2014

Mr. Cory Smith
Environmental Specialist
New Mexico Oil Conservation Division
1000 Rio Brazos
Aztec, NM 87410



Re: C-144 Below-Grade Tank Closure, Thompson Compressor Station, San Juan County, New Mexico

Dear Mr. Smith,

Williams Four Corners LLC (Williams) is submitting the C-144 Below-Grade Tank (BGT) Closure for the Thompson Compressor Station. The closure plan was approved by the New Mexico Oil Conservation Division (NMOCD) on December 3, 2013.

A fire occurred at the facility on the evening of Friday, November 8, 2013 associated with operation of one of the BGTs. During removal of the BGTs and liner, impacted soils were discovered beneath the BGTs that were determined to be associated from a historical release. Remediation activities including removal of impacted soil to bedrock and two applications of potassium permanganate were performed to achieve NMOCD remediation action levels. A summary of the historical activities completed between November 8, 2014 and October 30, 2014 are presented Table 1. A total of five (5) sampling events were performed between December 16, 2013 and October 30, 2014 and the soil analytical results are summarized in Table 2.

The TPH concentration as determined by United States Environmental Protection Agency (USEPA) Method 418.1 in the most recent confirmation sample slightly exceeded the New Mexico Oil and Gas Conservation Division (NMOCD) standard for BGT closures established in 19.15.17 New Mexico Administrative Code (NMAC) with a concentration of 120 milligrams per kilogram (mg/kg). The sample was also analyzed for total petroleum hydrocarbons – gasoline range organics (TPH-GRO) and total petroleum hydrocarbons – diesel range organics (TPH-DRO) by USEPA Method 8015. No benzene, toluene, ethyl benzene, or TPH-DRO were detected in the most recently collected soil sample. Total Xylenes and TPH-DRO were detected at low concentrations, however all concentrations with the exception of TPH Method 418.1 result are below the NMOCD remediation action levels. Based on this information, it can be

Mr. Cory Smith
November 13, 2014
Page 2

deduced that the remaining soil impact beneath the former BGT is in the heavier hydrocarbon range (oil range organics), which is less likely to mobilize in the soil. It should be noted that there was a liner in place below the BGT prior to closure so the cleanup standards used to determine closure should be the NMOCD remediation action levels (TPH with Method 8015) and not the Pit Rule (TPH with 418.1) because it was an historical release not associated with the BGT.

Please contact me at (505) 632-4442 with any questions regarding this information.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Webre", with a long horizontal flourish extending to the right.

Matt Webre, PG
Supervisor, Environmental Services

Attachments

cc: Shari Ketcham (BLM)

Table 1. Historical Summary for BGT Closure
 Williams Four Corners, LLC - Thompson Compressor Station

Date	Description
November 8, 2013	Fire occurred at the Thompson Compressor Station associated with a Below-Grade Tank (BGT). The New Mexico Oil Conservation Division (NMOCD) along with other regulatory agencies were immediately notified of the fire.
November 18, 2013	Submitted final C-141 to NMOCD and BLM documenting the Thompson fire/release.
December 10, 2013	Williams submits notifications via email of the BGT closure to commence on December 13, 2014.
December 13, 2013	Williams initiates BGT closure activities including removal of BGT and impacted soils.
December 16, 2013	Williams collects samples (Thompson Separator Pit 001 side and Thompson Separator Pit 002 Bot) from bottom and sidewalls of open excavation. The results indicate that the concentrations on the bottom of the excavation exceed closure standards for total BTEX and TPH of 50 mg/kg and 100 mg/kg, respectively.
January 13, 2014	Williams collects sample (Thompson CS 003 Bottom Comp) from bottom of open excavation. The results indicate that the concentrations on the bottom of the excavation exceed closure standards for total TPH.
March 21, 2014	The bottom of the excavation is treated with potassium permanganate after receiving approval from the NMOCD and the landowner.
March 31, 2014	Williams collects sample (Thompson Trunk A Pits Bottom) from bottom of open excavation. The results indicate that the concentrations on the bottom of the excavation exceed closure standards for total TPH.
April 24, 2014	BLM provides approval for Williams to backfill the excavation (to address safety concerns) upon the agreement to resample in 6 months (October 2014).
June 2, 2014	The bottom of the excavation is re-treated with potassium permanganate. Williams collects sample (Thompson TRK-A Pit Bottom C) from bottom of open excavation. The results indicate that the concentrations on the bottom of the excavation exceed closure standards for total TPH. Williams backfills the excavation and plans on resampling in October 2014.
October 28, 2014	Williams provides notification to BLM of planned sampling event.
October 30, 2014	Williams collects sample (TRK-A Pit Resample) from bottom of open excavation. The results indicate that the concentrations on the bottom of the excavation slightly exceed closure standards for total TPH based on Method 418.1, however the TPH results are below the closure standards based on Method 8015.

Table 2. Summary of Soil Analytical Results
 Williams Four Corners LLC - Thompson Compressor Station

Sample ID			Thompson Seperator Pit 001 Side	Thompson Seperator Pit 002 Bot	Thompson CS 003 Bottom Comp	Thompson Trunk A Pits Bottom	Thompson TRK-A Pit Bottom C	TRK-A Pit Resample
Sample Date			12/16/2013	12/16/2013	1/13/2014	3/31/2014	6/2/2014	10/30/2014
Analyte	Method	Units						
Benzene	8021B	mg/kg	<0.049	0.83	<0.94	<0.23	<0.048	<0.049
Toluene	8021B	mg/kg	<0.049	16	3.3	0.48	<0.096	<0.049
Ethylbenzene	8021B	mg/kg	<0.049	2.4	2.5	<0.23	0.26	<0.049
Xylenes, Total	8021B	mg/kg	<0.049	42	39	15	<0.19	0.14
BTEX, Total		mg/kg	<0.049	61.23	44.8	15.48	0.26	0.14
TPH-DRO	8015	mg/kg	NA	NA	200	240	NA	41
TPH-GRO	8015	mg/kg	<4.9	620	460	250	NA	<4.9
TPH	418.1	mg/kg	<20	610	840	750	480	120
Chlorides	300	mg/kg	58	30	NA	NA	NA	42

Notes:

mg/kg = milligrams per kilogram

NA = Not analyzed

Non-detected results are indicated "<" with laboratory method detection limit (<0.049)

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

Form C-141
Revised August 8, 2011

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

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 Graham Stahnke, PE	
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4606	
Facility Name Thompson Compressor Station	Facility Type Compressor Station	
Surface Owner BLM	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter P	Section 4	Township 30N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36° 50.0550 N Longitude 108° 5.8700 W

NATURE OF RELEASE

Type of Release Fire	Volume of Release 41.2 MCF	Volume Recovered NA
Source of Release Produced Water Tank caught fire	Date and Hour of Occurrence 11/08/2013, 6:00 PM	Date and Hour of Discovery 11/08/2013, 6:00 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Verbal to NMOCD (Brandon Powell) and BLM (Ranger on scene)	
By Whom? Matt Webre, PG	Date and Hour 11/08/2013, 6:30 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
On Friday, November 8, 2013 at 5:55 PM, as Williams personnel were preparing to leave the facility, a below grade produced water tank caught on fire at the Thompson Compressor Station. The fire caused a facility shut down which allowed 41.2 MCF of natural gas to be released to the atmosphere. The fire was extinguished at approximately 7:00 PM by county and local fire departments. No produced water was released as a result of the fire. No injuries occurred, however three nearby residences were evacuated. The root cause of the incident is under investigation.

Describe Area Affected and Cleanup Action Taken.*
After the fire was extinguished, fire watch was implemented for 30 minutes and the tank was checked for heat. The below grade tank that caught fire was removed on Saturday November 9, 2013. There was no damage to the tank other charring. The below grade tank will be closed out in accordance with the NMOCD Pit Rule, with additional correspondence to follow this notification.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Graham Stahnke, PE	Approved by Environmental Specialist:	
Title: Environmental Specialist	Approval Date:	Expiration Date:
E-mail Address: graham.stahnke@williams.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/18/13	Phone: 505-632-4606	

* Attach Additional Sheets If Necessary

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

Form C-141
Revised August 8, 2011

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

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 Matt Webre
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4606
Facility Name Thompson Compressor Station	Facility Type Compressor Station

Surface Owner BLM	Mineral Owner	API No.
-------------------	---------------	---------

LOCATION OF RELEASE

Unit Letter P	Section 4	Township 30N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.834839°N Longitude 108.098698°W

NATURE OF RELEASE

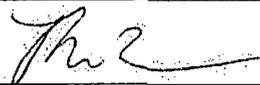
Type of Release Produced Water/Condensate	Volume of Release Unknown	Volume Recovered NA
Source of Release Historic Release	Date and Hour of Occurrence Historic	Date and Hour of Discovery Historic
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
No impacts to a watercourse occurred.

Describe Cause of Problem, and Remedial Action Taken.*
During removal of a 50 bbl below-grade tank and liner, a historic release was discovered.

Describe Area Affected and Cleanup Action Taken.*
Remediation activities will occur in the near future.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Matt Webre	Approved by Environmental Specialist:	
Title: Supervisor, Environmental Services	Approval Date:	Expiration Date:
E-mail Address: matt.webre@williams.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: November 12, 2014	Phone: 505-632-4442	

* Attach Additional Sheets If Necessary



Williams Four Corners LLC
Below Grade Tank Closure Report
Location Name: Thompson Compressor Station
API Number: NA

The following provides information related to the 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 with any exceptions described below.

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

Action: A fire occurred at the Thompson Compressor Station on Friday, November 8, 2014. Immediate notifications were made to the NMOCD Aztec District Office and the landowner (Bureau of Reclamation [BLM]) in accordance with release reporting requirements. The final C-141 submitted to the NMOCD and the BLM documenting the notifications is attached. As part of continuing actions associated with the fire, Williams removed the BGT from the facility. The BGT was located on a lined containment and impacts were discovered beneath the tank upon removal of the BGT and liner. After removal of the BGT and liner, it was determined that the discovered impacts were associated with a historical release. The C-141 documenting the historical release is attached.

The email notification to the NMOCD documenting the proposed BGT removal date is included with the closure report. The notification provided to the BLM regarding the BGT removal date cannot be located. It should be noted that Williams was in continual contact with the BLM starting with the initial release notification associated with the fire and follow up remediation discussions.

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: Five point composite soil samples were collected from beneath the BGT 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: Contaminated soil was disposed at the JFJ Landfarm c/o Industrial Ecosystem, Inc. (IEI) NMOCD permit number NM-01-0010B (identified in the approved Closure Plan).

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.

Below Grade Tank Closure Report
Thompson Compressor Station

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 within an active compressor station. As stated in the approved plan, this requirement is deferred when the facility 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.

Webre, Matt

From: Kelly, Jonathan, EMNRD <Jonathan.Kelly@state.nm.us>
Sent: Tuesday, December 10, 2013 8:54 AM
To: Stahnke, Graham
Subject: RE: Thompson Compressor BGT Permits

Thank you Graham.

Jonathan D. Kelly
Compliance Officer
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 122
jonathan.kelly@state.nm.us

From: Stahnke, Graham [mailto:Graham.Stahnke@williams.com]
Sent: Tuesday, December 10, 2013 8:04 AM
To: Kelly, Jonathan, EMNRD
Subject: RE: Thompson Compressor BGT Permits

Hi Jonathan,
We are planning on starting the Thompson BGT closure on Friday (12/13/13). We will be locating an adjacent 10-inch line on Thursday prior to starting excavation on Friday.

Best Regards,
Graham

Graham Stahnke, PE | Environmental Specialist, Environmental Services - FCA | Operational Excellence | Williams
O: 505-632-4606 | C: 505-258-9277
graham.stahnke@williams.com

"Achieving environmental excellence through stewardship, common sense, and innovation for our company, customers and communities."

From: Stahnke, Graham
Sent: Wednesday, December 04, 2013 8:28 AM
To: 'Kelly, Jonathan, EMNRD'
Subject: RE: Thompson Compressor BGT Permits

Thanks Jonathan,
We will likely complete closure in the next couple weeks and I will provide NMOCD with the necessary notice prior to closure activities in accordance with the Pit Rule.

Best Regards,
Graham

Graham Stahnke, PE | Environmental Specialist, Environmental Services - FCA | Operational Excellence | Williams
O: 505-632-4606 | C: 505-258-9277
graham.stahnke@williams.com

"Achieving environmental excellence through stewardship, common sense, and innovation for our company, customers and communities."

From: Kelly, Jonathan, EMNRD [<mailto:Jonathan.Kelly@state.nm.us>]

Sent: Wednesday, December 04, 2013 8:04 AM

To: Stahnke, Graham

Subject: FW: Thompson Compressor BGT Permits

As requested, here are approved copies of the 2 Thompson Compressor Station BGT Closure Permits.

Jonathan D. Kelly

Compliance Officer

Oil Conservation Division

Energy, Minerals, & Natural Resources

1000 Rio Brazos, Aztec, NM 87410

(505)334-6178 ext 122

jonathan.kelly@state.nm.us

From: Atchley, Calvin, EMNRD

Sent: Wednesday, December 04, 2013 7:15 AM

To: Kelly, Jonathan, EMNRD

Subject: Permits

Jonathan,

Attached are the permits you requested. Thanks.

Calvin

Webre, Matt

From: Franchini, Jana
Sent: Tuesday, October 28, 2014 4:54 PM
To: Ketcham, Shari
Cc: Webre, Matt
Subject: FW: Thompson Compressor

Shari,

We are planning to perform the re-sampling event at Thompson this Thursday, October 30th.

In addition, we will keep you informed of the results.

Sincerely,
Jana

From: Ketcham, Shari [<mailto:sketcham@blm.gov>]
Sent: Thursday, April 24, 2014 1:59 PM
To: Stahnke, Graham
Subject: Thompson Compressor

As per our phone conversation a few minutes ago, Williams is approved to close the excavation at Thompson Compressor since the DRO is at 240 ppm and has dropped 220 ppm since January.

Please send me a copy of the soil sample results for the file.

We discussed and agreed upon re-sampling in 6 months, ~October 24th, 2014.

Thank you!

Shari Ketcham
Natural Resource Specialist, Spills Biologist
BLM Farmington Field Office
6251 College Blvd Suite A
Farmington, NM 87402
Office: (505) 564-7713
Fax: (505) 564-7607





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

December 20, 2013

Graham Stahnke
Williams Field Services
188 Co. Rd 4900
Bloomfield, NM 87413
TEL: (505) 632-4442
FAX

RE: Thompson Seperator Pit

OrderNo.: 1312738

Dear Graham Stahnke:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/17/2013 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 qualifers 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Thompson Separator Pit 001 side

Project: Thompson Separator Pit

Collection Date: 12/16/2013 11:55:00 AM

Lab ID: 1312738-001

Matrix: MEOH (SOIL)

Received Date: 12/17/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Surr: BFB	98.6	74.5-129		%REC	1	12/18/2013 1:05:05 PM	R15586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Toluene	ND	0.049		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Ethylbenzene	ND	0.049		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Xylenes, Total	ND	0.097		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	12/18/2013 1:05:05 PM	R15586
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	58	1.5		mg/Kg	1	12/18/2013 5:40:26 PM	10863
EPA METHOD 418.1: TPH							Analyst: JME
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/18/2013	10802

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Thompson Separator Pit 002 Bot

Project: Thompson Separator Pit

Collection Date: 12/16/2013 12:30:00 PM

Lab ID: 1312738-002

Matrix: MEOH (SOIL) **Received Date:** 12/17/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	620	43		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Surr: BFB	245	74.5-129	S	%REC	10	12/18/2013 12:36:23 PM	R15586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.83	0.43		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Toluene	16	0.43		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Ethylbenzene	2.4	0.43		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Xylenes, Total	42	0.87		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Surr: 4-Bromofluorobenzene	121	80-120	S	%REC	10	12/18/2013 12:36:23 PM	R15586
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	30	1.5		mg/Kg	1	12/18/2013 6:05:15 PM	10863
EPA METHOD 418.1: TPH							Analyst: JME
Petroleum Hydrocarbons, TR	610	20		mg/Kg	1	12/18/2013	10802

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312738

20-Dec-13

Client: Williams Field Services
Project: Thompson Separator Pit

Sample ID	MB-10802	SampType:	MBLK	TestCode:	EPA Method 418.1: TPH					
Client ID:	PBS	Batch ID:	10802	RunNo:	15588					
Prep Date:	12/16/2013	Analysis Date:	12/18/2013	SeqNo:	448814	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	LCS-10802	SampType:	LCS	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS	Batch ID:	10802	RunNo:	15588					
Prep Date:	12/16/2013	Analysis Date:	12/18/2013	SeqNo:	448821	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	95	20	100.0	0	95.3	80	120			

Sample ID	LCSD-10802	SampType:	LCSD	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS02	Batch ID:	10802	RunNo:	15588					
Prep Date:	12/16/2013	Analysis Date:	12/18/2013	SeqNo:	448826	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	96	20	100.0	0	96.5	80	120	1.27	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312738

20-Dec-13

Client: Williams Field Services

Project: Thompson Seperator Pit

Sample ID	MB-10837 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R15586	RunNo:	15586					
Prep Date:		Analysis Date:	12/18/2013	SeqNo:	449123	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	920		1000		92.0	74.5	129			

Sample ID	LCS-10837 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R15586	RunNo:	15586					
Prep Date:		Analysis Date:	12/18/2013	SeqNo:	449124	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	107	74.5	126			
Surr: BFB	980		1000		98.2	74.5	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312738

20-Dec-13

Client: Williams Field Services
Project: Thompson Seperator Pit

Sample ID	MB-10837 MK	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R15586	RunNo:	15586					
Prep Date:		Analysis Date:	12/18/2013	SeqNo:	449140	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID	LCS-10837 MK	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R15586	RunNo:	15586					
Prep Date:		Analysis Date:	12/18/2013	SeqNo:	449141	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

Qualifiers:

- | | |
|---|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| 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 |
| O RSD is greater than RSDlimit | P Sample pH greater than 2 for VOA and TOC only. |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S Spike Recovery outside accepted recovery limits | |

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1312738

RcptNo: 1

Received by/date: mg 12/17/13

Logged By: Michelle Garcia 12/17/2013 10:00:00 AM *Michelle Garcia*

Completed By: Michelle Garcia 12/17/2013 10:18:27 AM *Michelle Garcia*

Reviewed By: TO 12/17/2013

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? Yes No
(Note discrepancies on chain of custody)
- 13. Are matrices correctly identified on Chain of Custody? Yes No
- 14. Is it clear what analyses were requested? Yes No
- 15. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 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	2.6	Good	Yes			

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

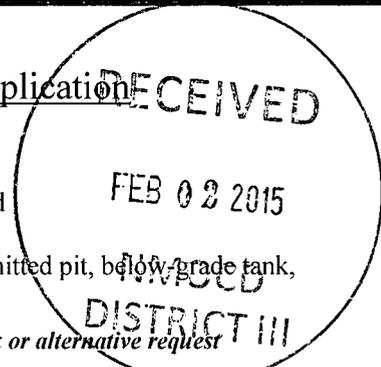
State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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
12655 Proposed Alternative Method Permit or Closure Plan Application

- 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: 188 County Road 4900, Bloomfield, NM 87413
Facility or well name: Thompson Compressor Station
API Number: _____ OCD Permit Number: _____
U/L or Qtr/Qtr P Section 4 Township 30N Range 12W County: San Juan
Center of Proposed Design: Latitude N36.834771 Longitude W108.098620 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
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: 70 BBL bbl Type of fluid: Produced Water
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 Single wall, double bottom
Liner type: Thickness _____ 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.

Variations 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

<p>Within 100 feet of a wetland.</p> <ul style="list-style-type: none"> - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p><u>Temporary Pit Non-low chloride drilling fluid</u></p>	
<p>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).</p> <ul style="list-style-type: none"> - Topographic map; Visual inspection (certification) of the proposed site 	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</p> <ul style="list-style-type: none"> - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>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;</p> <ul style="list-style-type: none"> - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 300 feet of a wetland.</p> <ul style="list-style-type: none"> - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p><u>Permanent Pit or Multi-Well Fluid Management Pit</u></p>	
<p>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).</p> <ul style="list-style-type: none"> - Topographic map; Visual inspection (certification) of the proposed site 	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</p> <ul style="list-style-type: none"> - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>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.</p> <ul style="list-style-type: none"> - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>Within 500 feet of a wetland.</p> <ul style="list-style-type: none"> - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	<input type="checkbox"/> Yes <input type="checkbox"/> 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 H₂S, 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> 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 | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Written confirmation or verification from the municipality; Written approval obtained from the municipality | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 300 feet of a wetland.
US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance | <input type="checkbox"/> Yes <input type="checkbox"/> No |

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:**

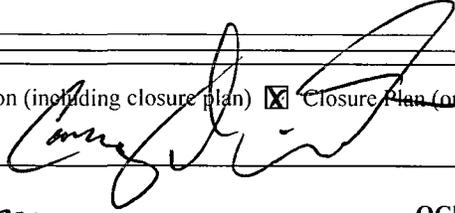
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

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

OCD Representative Signature:  Approval Date: 2/5/15

Title: Environmental Spec 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: 10/28/2014

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.

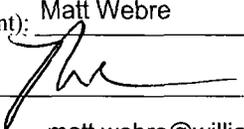
21. **Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- 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

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): Matt Webre Title: Supervisor, Environmental Services
Signature:  Date: November 17, 2014
e-mail address: matt.webre@williams.com Telephone: 505-632-4442

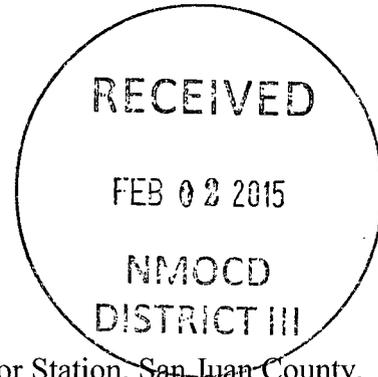


188 County Road 4900
Bloomfield, NM 87413
(505) 632-4700
Fax (505) 632-4782

US Mail

November 13, 2014

Mr. Cory Smith
Environmental Specialist
New Mexico Oil Conservation Division
1000 Rio Brazos
Aztec, NM 87410



Re: C-144 Below-Grade Tank Closure, Thompson Compressor Station, San Juan County, New Mexico

Dear Mr. Smith,

Williams Four Corners LLC (Williams) is submitting the C-144 Below-Grade Tank (BGT) Closure for the Thompson Compressor Station. The closure plan was approved by the New Mexico Oil Conservation Division (NMOCD) on December 3, 2013.

A fire occurred at the facility on the evening of Friday, November 8, 2013 associated with operation of one of the BGTs. During removal of the BGTs and liner, impacted soils were discovered beneath the BGTs that were determined to be associated from a historical release. Remediation activities including removal of impacted soil to bedrock and two applications of potassium permanganate were performed to achieve NMOCD remediation action levels. A summary of the historical activities completed between November 8, 2014 and October 30, 2014 are presented Table 1. A total of five (5) sampling events were performed between December 16, 2013 and October 30, 2014 and the soil analytical results are summarized in Table 2.

The TPH concentration as determined by United State Environmental Protection Agency (USEPA) Method 418.1 in the most recent confirmation sample slightly exceeded the New Mexico Oil and Gas Conservation Division (NMOCD) standard for BGT closures established in 19.15.17 New Mexico Administrative Code (NMAC) with a concentration of 120 milligrams per kilogram (mg/kg). The sample was also analyzed for total petroleum hydrocarbons – gasoline range organics (TPH-GRO) and total petroleum hydrocarbons – diesel range organics (TPH-DRO) by USEPA Method 8015. No benzene, toluene, ethyl benzene, or TPH-DRO were detected in the most recently collected soil sample. Total Xylenes and TPH-DRO were detected at low concentrations, however all concentrations with the exception of TPH Method 418.1 result are below the NMOCD remediation action levels. Based on this information, it can be

Mr. Cory Smith
November 13, 2014
Page 2

deduced that the remaining soil impact beneath the former BGT is in the heavier hydrocarbon range (oil range organics), which is less likely to mobilize in the soil. It should be noted that there was a liner in place below the BGT prior to closure so the cleanup standards used to determine closure should be the NMOCD remediation action levels (TPH with Method 8015) and not the Pit Rule (TPH with 418.1) because it was an historical release not associated with the BGT.

Please contact me at (505) 632-4442 with any questions regarding this information.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Webre", with a long horizontal flourish extending to the right.

Matt Webre, PG
Supervisor, Environmental Services

Attachments

cc: Shari Ketcham (BLM)

Table 1. Historical Summary for BGT Closure
 Williams Four Corners, LLC - Thompson Compressor Station

Date	Description
November 8, 2013	Fire occurred at the Thompson Compressor Station associated with a Below-Grade Tank (BGT). The New Mexico Oil Conservation Division (NMOCD) along with other regulatory agencies were immediately notified of the fire.
November 18, 2013	Submitted final C-141 to NMOCD and BLM documenting the Thompson fire/release.
December 10, 2013	Williams submits notifications via email of the BGT closure to commence on December 13, 2014.
December 13, 2013	Williams initiates BGT closure activities including removal of BGT and impacted soils.
December 16, 2013	Williams collects samples (Thompson Separator Pit 001 side and Thompson Separator Pit 002 Bot) from bottom and sidewalls of open excavation. The results indicate that the concentrations on the bottom of the excavation exceed closure standards for total BTEX and TPH of 50 mg/kg and 100 mg/kg, respectively.
January 13, 2014	Williams collects sample (Thompson CS 003 Bottom Comp) from bottom of open excavation. The results indicate that the concentrations on the bottom of the excavation exceed closure standards for total TPH.
March 21, 2014	The bottom of the excavation is treated with potassium permanganate after receiving approval from the NMOCD and the landowner.
March 31, 2014	Williams collects sample (Thompson Trunk A Pits Bottom) from bottom of open excavation. The results indicate that the concentrations on the bottom of the excavation exceed closure standards for total TPH.
April 24, 2014	BLM provides approval for Williams to backfill the excavation (to address safety concerns) upon the agreement to resample in 6 months (October 2014).
June 2, 2014	The bottom of the excavation is re-treated with potassium permanganate. Williams collects sample (Thompson TRK-A Pit Bottom C) from bottom of open excavation. The results indicate that the concentrations on the bottom of the excavation exceed closure standards for total TPH. Williams backfills the excavation and plans on resampling in October 2014.
October 28, 2014	Williams provides notification to BLM of planned sampling event.
October 30, 2014	Williams collects sample (TRK-A Pit Resample) from bottom of open excavation. The results indicate that the concentrations on the bottom of the excavation slightly exceed closure standards for total TPH based on Method 418.1, however the TPH results are below the closure standards based on Method 8015.

Table 2. Summary of Soil Analytical Results
 Williams Four Corners LLC - Thompson Compressor Station

Sample ID			Thompson Seperator Pit 001 Side	Thompson Seperator Pit 002 Bot	Thompson CS 003 Bottom Comp	Thompson Trunk A Pits Bottom	Thompson TRK-A Pit Bottom C	TRK-A Pit Resample
Sample Date			12/16/2013	12/16/2013	1/13/2014	3/31/2014	6/2/2014	10/30/2014
Analyte	Method	Units						
Benzene	8021B	mg/kg	<0.049	0.83	<0.94	<0.23	<0.048	<0.049
Toluene	8021B	mg/kg	<0.049	16	3.3	0.48	<0.096	<0.049
Ethylbenzene	8021B	mg/kg	<0.049	2.4	2.5	<0.23	0.26	<0.049
Xylenes, Total	8021B	mg/kg	<0.049	42	39	15	<0.19	0.14
BTEX, Total		mg/kg	<0.049	61.23	44.8	15.48	0.26	0.14
TPH-DRO	8015	mg/kg	NA	NA	200	240	NA	41
TPH-GRO	8015	mg/kg	<4.9	620	460	250	NA	<4.9
TPH	418.1	mg/kg	<20	610	840	750	480	120
Chlorides	300	mg/kg	58	30	NA	NA	NA	42

Notes:

mg/kg = milligrams per kilogram

NA = Not analyzed

Non-detected results are indicated "<" with laboratory method detection limit (<0.049)

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

Form C-141
Revised August 8, 2011

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

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 Graham Stahnke, PE
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4606
Facility Name Thompson Compressor Station	Facility Type Compressor Station

Surface Owner BLM	Mineral Owner	API No.
-------------------	---------------	---------

LOCATION OF RELEASE

Unit Letter P	Section 4	Township 30N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36° 50.0550 N Longitude 108° 5.8700 W

NATURE OF RELEASE

Type of Release Fire	Volume of Release 41.2 MCF	Volume Recovered NA
Source of Release Produced Water Tank caught fire	Date and Hour of Occurrence 11/08/2013, 6:00 PM	Date and Hour of Discovery 11/08/2013, 6:00 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Verbal to NMOCD (Brandon Powell) and BLM (Ranger on scene)	
By Whom? Matt Webre, PG	Date and Hour 11/08/2013, 6:30 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

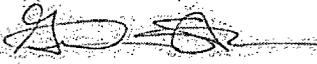
Describe Cause of Problem and Remedial Action Taken.*

On Friday, November 8, 2013 at 5:55 PM, as Williams personnel were preparing to leave the facility, a below grade produced water tank caught on fire at the Thompson Compressor Station. The fire caused a facility shut down which allowed 41.2 MCF of natural gas to be released to the atmosphere. The fire was extinguished at approximately 7:00 PM by county and local fire departments. No produced water was released as a result of the fire. No injuries occurred, however three nearby residences were evacuated. The root cause of the incident is under investigation.

Describe Area Affected and Cleanup Action Taken.*

After the fire was extinguished, fire watch was implemented for 30 minutes and the tank was checked for heat. The below grade tank that caught fire was removed on Saturday November 9, 2013. There was no damage to the tank other charring. The below grade tank will be closed out in accordance with the NMOCD Pit Rule, with additional correspondence to follow this notification.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Graham Stahnke, PE	Approved by Environmental Specialist:	
Title: Environmental Specialist	Approval Date:	Expiration Date:
E-mail Address: graham.stahnke@williams.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/18/13	Phone: 505-632-4606	

* Attach Additional Sheets If Necessary

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

Form C-141
Revised August 8, 2011

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

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 Matt Webre
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4606
Facility Name Thompson Compressor Station	Facility Type Compressor Station
Surface Owner BLM	Mineral Owner
API No.	

LOCATION OF RELEASE

Unit Letter P	Section 4	Township 30N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	--------------------

Latitude 36.834771°N Longitude 108.098620°W

NATURE OF RELEASE

Type of Release Produced Water/Condensate	Volume of Release Unknown	Volume Recovered NA
Source of Release Historic Release	Date and Hour of Occurrence Historic	Date and Hour of Discovery Historic
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* No impacts to a watercourse occurred.		
Describe Cause of Problem and Remedial Action Taken.* During removal of a 70 bbl below-grade tank and liner, a historic release was discovered.		
Describe Area Affected and Cleanup Action Taken.* Remediation activities will occur in the near future.		
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: 	OIL CONSERVATION DIVISION	
Printed Name: Matt Webre	Approved by Environmental Specialist:	
Title: Supervisor, Environmental Services	Approval Date:	Expiration Date:
E-mail Address: matt.webre@williams.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: November 12, 2014	Phone: 505-632-4442	

* Attach Additional Sheets If Necessary



Williams Four Corners LLC
Below Grade Tank Closure Report
Location Name: Thompson Compressor Station
API Number: NA

The following provides information related to the 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 with any exceptions described below.

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

Action: A fire occurred at the Thompson Compressor Station on Friday, November 8, 2014. Immediate notifications were made to the NMOCD Aztec District Office and the landowner (Bureau of Reclamation [BLM]) in accordance with release reporting requirements. The final C-141 submitted to the NMOCD and the BLM documenting the notifications is attached. As part of continuing actions associated with the fire, Williams removed the BGT from the facility. The BGT was located on a lined containment and impacts were discovered beneath the tank upon removal of the BGT and liner. After removal of the BGT and liner, it was determined that the discovered impacts were associated with a historical release. The C-141 documenting the historical release is attached.

The email notification to the NMOCD documenting the proposed BGT removal date is included with the closure report. The notification provided to the BLM regarding the BGT removal date cannot be located. It should be noted that Williams was in continual contact with the BLM starting with the initial release notification associated with the fire and follow up remediation discussions.

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: Five point composite soil samples were collected from beneath the BGT 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: Contaminated soil was disposed at the JFJ Landfarm c/o Industrial Ecosystem, Inc. (IEI) NMOCD permit number NM-01-0010B (identified in the approved Closure Plan).

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.

Below Grade Tank Closure Report
Thompson Compressor Station

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 within an active compressor station. As stated in the approved plan, this requirement is deferred when the facility 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.

Webre, Matt

From: Kelly, Jonathan, EMNRD <Jonathan.Kelly@state.nm.us>
Sent: Tuesday, December 10, 2013 8:54 AM
To: Stahnke, Graham
Subject: RE: Thompson Compressor BGT Permits

Thank you Graham.

Jonathan D. Kelly
Compliance Officer
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 122
jonathan.kelly@state.nm.us

From: Stahnke, Graham [mailto:Graham.Stahnke@williams.com]
Sent: Tuesday, December 10, 2013 8:04 AM
To: Kelly, Jonathan, EMNRD
Subject: RE: Thompson Compressor BGT Permits

Hi Jonathan,
We are planning on starting the Thompson BGT closure on Friday (12/13/13). We will be locating an adjacent 10-inch line on Thursday prior to starting excavation on Friday.

Best Regards,
Graham

Graham Stahnke, PE | Environmental Specialist, Environmental Services - FCA | Operational Excellence | Williams
O: 505-632-4606 | C: 505-258-9277
graham.stahnke@williams.com

"Achieving environmental excellence through stewardship, common sense, and innovation for our company, customers and communities."

From: Stahnke, Graham
Sent: Wednesday, December 04, 2013 8:28 AM
To: 'Kelly, Jonathan, EMNRD'
Subject: RE: Thompson Compressor BGT Permits

Thanks Jonathan,
We will likely complete closure in the next couple weeks and I will provide NMOCD with the necessary notice prior to closure activities in accordance with the Pit Rule.

Best Regards,
Graham

Graham Stahnke, PE | Environmental Specialist, Environmental Services - FCA | Operational Excellence | Williams
O: 505-632-4606 | C: 505-258-9277
graham.stahnke@williams.com

"Achieving environmental excellence through stewardship, common sense, and innovation for our company, customers and communities."

From: Kelly, Jonathan, EMNRD [<mailto:Jonathan.Kelly@state.nm.us>]
Sent: Wednesday, December 04, 2013 8:04 AM
To: Stahnke, Graham
Subject: FW: Thompson Compressor BGT Permits

As requested, here are approved copies of the 2 Thompson Compressor Station BGT Closure Permits.

Jonathan D. Kelly
Compliance Officer
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 122
jonathan.kelly@state.nm.us

From: Atchley, Calvin, EMNRD
Sent: Wednesday, December 04, 2013 7:15 AM
To: Kelly, Jonathan, EMNRD
Subject: Permits

Jonathan,

Attached are the permits you requested. Thanks.

Calvin

Webre, Matt

From: Franchini, Jana
Sent: Tuesday, October 28, 2014 4:54 PM
To: Ketcham, Shari
Cc: Webre, Matt
Subject: FW: Thompson Compressor

Shari,

We are planning to perform the re-sampling event at Thompson this Thursday, October 30th.

In addition, we will keep you informed of the results.

Sincerely,
Jana

From: Ketcham, Shari [<mailto:sketcham@blm.gov>]
Sent: Thursday, April 24, 2014 1:59 PM
To: Stahnke, Graham
Subject: Thompson Compressor

As per our phone conversation a few minutes ago, Williams is approved to close the excavation at Thompson Compressor since the DRO is at 240 ppm and has dropped 220 ppm since January.

Please send me a copy of the soil sample results for the file.

We discussed and agreed upon re-sampling in 6 months, ~October 24th, 2014.

Thank you!

Shari Ketcham
Natural Resource Specialist, Spills Biologist
BLM Farmington Field Office
6251 College Blvd Suite A
Farmington, NM 87402
Office: (505) 564-7713
Fax: (505) 564-7607





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

December 20, 2013

Graham Stahnke
Williams Field Services
188 Co. Rd 4900
Bloomfield, NM 87413
TEL: (505) 632-4442
FAX

RE: Thompson Seperator Pit

OrderNo.: 1312738

Dear Graham Stahnke:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/17/2013 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 qualifers 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Williams Field Services**Client Sample ID:** Thompson Separator Pit 001 side**Project:** Thompson Separator Pit**Collection Date:** 12/16/2013 11:55:00 AM**Lab ID:** 1312738-001**Matrix:** MEOH (SOIL)**Received Date:** 12/17/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Surr: BFB	98.6	74.5-129		%REC	1	12/18/2013 1:05:05 PM	R15586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Toluene	ND	0.049		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Ethylbenzene	ND	0.049		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Xylenes, Total	ND	0.097		mg/Kg	1	12/18/2013 1:05:05 PM	R15586
Surr: 4-Bromofluorobenzene	105	80-120		%REC	1	12/18/2013 1:05:05 PM	R15586
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	58	1.5		mg/Kg	1	12/18/2013 5:40:26 PM	10863
EPA METHOD 418.1: TPH							Analyst: JME
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/18/2013	10802

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Williams Field Services**Client Sample ID:** Thompson Separator Pit 002 Bot**Project:** Thompson Separator Pit**Collection Date:** 12/16/2013 12:30:00 PM**Lab ID:** 1312738-002**Matrix:** MEOH (SOIL)**Received Date:** 12/17/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	620	43		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Surr: BFB	245	74.5-129	S	%REC	10	12/18/2013 12:36:23 PM	R15586
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.83	0.43		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Toluene	16	0.43		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Ethylbenzene	2.4	0.43		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Xylenes, Total	42	0.87		mg/Kg	10	12/18/2013 12:36:23 PM	R15586
Surr: 4-Bromofluorobenzene	121	80-120	S	%REC	10	12/18/2013 12:36:23 PM	R15586
EPA METHOD 300.0: ANIONS							Analyst: JRR
Chloride	30	1.5		mg/Kg	1	12/18/2013 6:05:15 PM	10863
EPA METHOD 418.1: TPH							Analyst: JME
Petroleum Hydrocarbons, TR	610	20		mg/Kg	1	12/18/2013	10802

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312738

20-Dec-13

Client: Williams Field Services

Project: Thompson Separator Pit

Sample ID	MB-10802	SampType:	MBLK	TestCode:	EPA Method 418.1: TPH					
Client ID:	PBS	Batch ID:	10802	RunNo:	15588					
Prep Date:	12/16/2013	Analysis Date:	12/18/2013	SeqNo:	448814	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	LCS-10802	SampType:	LCS	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS	Batch ID:	10802	RunNo:	15588					
Prep Date:	12/16/2013	Analysis Date:	12/18/2013	SeqNo:	448821	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	95	20	100.0	0	95.3	80	120			

Sample ID	LCSD-10802	SampType:	LCSD	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS02	Batch ID:	10802	RunNo:	15588					
Prep Date:	12/16/2013	Analysis Date:	12/18/2013	SeqNo:	448826	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	96	20	100.0	0	96.5	80	120	1.27	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312738

20-Dec-13

Client: Williams Field Services

Project: Thompson Separator Pit

Sample ID	MB-10837 MK	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	R15586	RunNo:	15586					
Prep Date:		Analysis Date:	12/18/2013	SeqNo:	449123	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	920		1000		92.0	74.5	129			

Sample ID	LCS-10837 MK	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	R15586	RunNo:	15586					
Prep Date:		Analysis Date:	12/18/2013	SeqNo:	449124	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	107	74.5	126			
Surr: BFB	980		1000		98.2	74.5	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1312738

20-Dec-13

Client: Williams Field Services

Project: Thompson Separator Pit

Sample ID	MB-10837 MK	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	R15586	RunNo:	15586					
Prep Date:		Analysis Date:	12/18/2013	SeqNo:	449140	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID	LCS-10837 MK	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	R15586	RunNo:	15586					
Prep Date:		Analysis Date:	12/18/2013	SeqNo:	449141	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1312738

RcptNo: 1

Received by/date:	<i>mg</i>	<i>12/17/13</i>	
Logged By:	Michelle Garcia	12/17/2013 10:00:00 AM	<i>Michelle Garcia</i>
Completed By:	Michelle Garcia	12/17/2013 10:18:27 AM	<i>Michelle Garcia</i>
Reviewed By:	<i>TO</i>	<i>12/17/2013</i>	

Chain of Custody

- Custody seals intact on sample bottles? Yes No Not Present
- Is Chain of Custody complete? Yes No Not Present
- How was the sample delivered? Courier

Log In

- Was an attempt made to cool the samples? Yes No NA
- Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- Sample(s) in proper container(s)? Yes No
- Sufficient sample volume for indicated test(s)? Yes No
- Are samples (except VOA and ONG) properly preserved? Yes No
- Was preservative added to bottles? Yes No NA
- VOA vials have zero headspace? Yes No No VOA Vials
- Were any sample containers received broken? Yes No
- Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes No
- Are matrices correctly identified on Chain of Custody? Yes No
- Is it clear what analyses were requested? Yes No
- Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

- Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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	2.6	Good	Yes			

Chain-of-Custody Record

Client: WFS

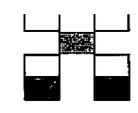
Mailing Address: 188 CR 4900
Bloomfield Nm 87413

Phone #: 505-63258-9277

Turn-Around Time:
 Standard Rush 3 day

Project Name: Thompson separator pit

Project #:



HALL ENVIRONMENTAL . ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

email or Fax#: Graham.Stahnke@williams.com

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

Accreditation
 NELAP Other _____

EDD (Type) _____

Project Manager: Graham Stahnke

Sampler: Morgan Killion

On Ice: Yes No

Sample Temperature: 26

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + TMBEs (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)	
12/16/13	11:55	soil	Thompson separator pit 001 sides	1-402	COOL	-001	+			X									X	
12/16/13	12:30	soil	Thompson separator pit 002 Bottom	1-402	COOL	-002	+			X									X	

Date: 12/16/13 Time: 1415 Relinquished by: Morgan Killion

Date: 12/14/13 Time: 1750 Relinquished by: Morgan Killion

Received by: Morgan Killion Date: 12/16/13 Time: 1415

Received by: Morgan Killion Date: 12/17/13 Time: 1000

Remarks: add GRO/DRO to -002
12/20

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.

12/17