

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 April 3, 2017

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

Pit, Below-Grade Tank, or  
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: DJR Operating, LLC OGRID #: 371838  
Address: PO BOX 156 Bloomfield, NM 87413 RCVD Via Email  
Facility or well name: Dodd Geiger 1 5/3/19  
API Number: 30-045-27234 OCD Permit Number: N/A  
U/L or Qtr/Qtr I: 26 Section 26 Township 25N Range 12W County: San Juan  
Center of Proposed Design: Latitude 36.369416 Longitude -108.073130 NAD83  
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: 100 bbl Type of fluid: produced water  
Tank Construction material: FiberGlass  
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
☐ Visible sidewalls and liner ☒ Visible sidewalls only ☐ Other \_\_\_\_\_  
Liner type: Thickness \_\_\_\_\_ 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 \_\_\_\_\_

6.

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

☒ Screen ☐ Netting ☐ Other \_\_\_\_\_

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

7.

**Signs:** Subsection C of 19.15.17.11 NMAC

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

☐ Signed in compliance with 19.15.16.8 NMAC

8.

**Variances and Exceptions:**

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

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

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

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

9.

**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC

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

**General siting**

**Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.**

- ☒ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells

☐ Yes ☒ No  
☐ NA

**Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.**

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No  
☒ NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (**Does not apply to below grade tanks**)

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☐ No

Within the area overlying a subsurface mine. (**Does not apply to below grade tanks**)

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☐ No

Within an unstable area. (**Does not apply to below grade tanks**)

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☐ No

Within a 100-year floodplain. (**Does not apply to below grade tanks**)

- FEMA map

☐ Yes ☐ No

**Below Grade Tanks**

Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption.

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

**Temporary Pit using Low Chloride Drilling Fluid** (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.

NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 100 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

### **Temporary Pit Non-low chloride drilling fluid**

Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

### **Permanent Pit or Multi-Well Fluid Management Pit**

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

10.

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

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

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

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

11.

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

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

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

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

12.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC

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

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC  
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Climatological Factors Assessment  
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Quality Control/Quality Assurance Construction and Installation Plan  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, 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	



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:** 5/3/19

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

19.

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

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

☒ **Closure Completion Date:** 5-4-18

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 363694496 Longitude -108.0731201 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): Amy Archuleta Title: Regulatory

Signature: \_\_\_\_\_ Date: 1-29-19

e-mail address: aarchuleta@dirllc.com Telephone: 505-632-3476 x201

**Scope of Closure Activities:**

The purpose of this closure plan is to provide the details of the activities involved in the closure of the BGT at the **Dodd Geiger 1** site. The following scope of closure activities has been designed to meet this objective:

- 1) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will close all of the BGTs currently in service within the five (5) years allotted. DJR Operating, LLC does not operate any BGTs which would qualify to be upgraded or retrofitted; as such, they will be closing all their current BGT's and replacing them with above ground storage if necessary. **This closure was done on 12-21-18.**
- 2) DJR Operating, LLC will close BGT's deemed to be an imminent danger to fresh water, public health, or the environment by an earlier date that the division requires as specified in subsection A of 19.15.17.13 NMAC  
**N/A**
- 3) DJR Operating will close any BGT which demonstrates a compromise of integrity before the five (5) years allotted by the division per Paragraph (6) of subsection I of 19.15.17.11 NMAC.  
**N/A**
- 4) DJR Operating, LLC will close any BGT within 60 days of cessation of the BGTs operation per Subsection A of 19.15.17.13 NMAC.  
**BGT was removed on . 12-11-18. The closure was complete by 12-21-18.**
- 5) No less than 72 hours and no greater than on (1) week prior to BGT removal DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will provide written notification to the appropriate division district office as well as a schedule of on-site activities, as in accordance with 19.15.17.13 Subsection J Paragraph (2) NMAC. Written notification will include the name of the well operator, the well's API number, the wells name and number, and the well's unit letter, section, township and range.  
**Attached email to OCD sent on 12-11-2018**
- 6) No less than 24 hours and no greater than one week prior to beginning BGT closure activities DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will provide written notification to the appropriate surface owner, as in accordance with 19.15.17.13

Subsection J Paragraph (1) NMAC. DJR Operating, or a contractor acting on behalf of DJR Operating, will notify the surface owner by certified mail, return receipt requested, that the operator plans to close a BGT. The return receipt will be used to ensure that the surface owner has received written notification no less than 25 hrs. and no greater than one week prior to the beginning of BGT closure activities. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is sufficient to demonstrate compliance with this requirement. Closure activities that will take place on tribal land will have notification sent by certified mail, return receipt requested, to the appropriate tribal office. DJR Operating, or a contractor acting on behalf of DJR Operating, will notify the BLM of closure activities for wells located on federal land per a Sundry Notice, as in accordance with 19.15.17.13 Subsection J Paragraph (1) NMAC. All notices will be sent in such a way that the surface owner received notice at least 24 hours prior to the beginning of the closure activities.

**Emailed BLM and Navajo EPA on 12-11-2018 to notify them of a release below the BGT on this location therefore waving the required notice.**

- 7) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will remove all liquids, and/or sludge, if applicable, prior to closure. Material will be disposed of at Industrial Ecosystems, Inc. (IEI) Landfarm, Permit #NM-01-0010B or Basin Disposal, Permit # NM-01-0005, depending on the consistence of the material removed, as in accordance with 19.15.17.13 Subsection E Paragraph (1) NMAC.

**Contaminated soil was taken to Envirotech, Inc. the C-138 is attached.**

- 8) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will remove all on site equipment associated with this BGT that is no longer required for some other purpose, as in accordance with 19.15.17.13 Subsection E Paragraphs (3) NMAC.

**All equipment related to BGT was removed and replaced with an AGT.**

- 9) If applicable, any liners or leak detection system removed from a BGT closure will be cleaned off and disposed of at San Juan County Regional Landfill in accordance with Subparagraph (m) of Paragraph (1) of subsection D of 19.15.9.712 NMAC

**There wasn't a liner present.**

- 10) DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will obtain prior approval from the OCD to dispose, recycle, reuse, or reclaim the BGT. DJR Operating, LLC, or



a contractor acting on behalf of DJR Operating, will provide the OCD with documentation concerning the final disposition of the BGT with the closure report.

**The fiberglass pit was cleaned, crushed, and put into the garbage bin at DJR's CBU Yard.**

1

- 11) Once the BGT is removed, a five (5)-point composite sample will be collected from directly below the tank or below the leak detection system if present. Grab samples will be collected from any areas that are wet, discolored, or showing other evidence of release. All samples being collected will be analyzed for benzene and total BTEX via USEAP Method 8021B, TPH via USEPA method 8015B, and chlorides, via USEPA 300.1, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.
  
- 12) Depending on soil sample results, the area will be either backfilled or the area will be excavated.
  - a. If soil samples do not exceed the regulatory standards of .10 mg/kg benzene, 50 mg/kg BTEX, 1000 mg/kg TPH, and 10,000 mg/kg or background concentration of chlorides, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.
    - i. DJR Operating, or a contractor acting on behalf of DJR Operating, shall submit a Form C-141 with the laboratory results so that the division may review the results to determine if additional delineation is required in accordance with Paragraph (5) of subsection E of 19.15.17.13 NMAC.  
**Confirmation results are attached.**
    - ii. DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will backfill the excavation or impacted area with nonwasted containing, earthen material, in accordance with 19.15.17.13 Subsection E Paragraph (6) NMAC. A soil cover shall be installed for all backfilled excavation consisting of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater in accordance with Subsection H of 19.15.17.13 NMAC. The operator shall construct soil cover to the site's existing grade and prevent ponding of water and erosion of

the cover material. **Soil was purchased from Envirotech's Land farm.**

- iii. All areas of the well site that are no longer utilized on a day to day basis for the production of oil and/or gas, DJR Operating, or a contractor acting on behalf of DJR Operating, will substantially restore, recontour, and revegetate the areas, in accordance with 19.15.17.13 Subsections G and I NMAC. The operator shall notify the division when it has been re-seeded and when it has achieved successful re-vegetation. For re-vegetation methods, please see attached re-vegetation plan. **Area is still in use and will not be re-vegetated at this time.**

13.) If soil samples exceed the regulatory standards stated above.

- iv. DJR Operating will submit a Release Notification by Form C-141 with the appropriate analytical laboratory results to the appropriate division district office, in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC. **Submitted Final C 141 1-29-2019.**
- v. In accordance with Paragraph (5) of Subsection E of 19.15.17.13 NMAC, once the operator or the OCD has determined that the release has occurred, DJR Operating, LLC, or a contractor acting on behalf of DJR Operating, will comply with rule 19.15.3.116 NMAC and 19.15.1.19 NMAC as appropriate. **No further action required.**

### **Reporting**

DJR Operating, LLC will submit a closure report within 60 days following the BGT closure. The closure report will consist of a form C-144 with all supporting data☒ and a form C-141 with all supporting data☒. The supporting data will include proof of closure notice to the surface owner and the OCD ☒, confirmation of sampling analytical results☒, a site diagram☒, soil backfilling and cover installation☒, revegetation rates☐, re-seeding techniques☐, and a site reclamation photo documentation☒, if applicable, along with all other information related to onsite activities☐.

Below Grade Tank (BGT) Closure Activities  
DJR Operating, LLC  
Dodd Geiger 1  
Unit Letter: "I" SW/SE Section: 26-T25N-R12W  
Latitude [36.369416](#) Longitude [-108.073103](#)

**Amy Archuleta**  
**Regulatory Specialist**  
**DJR Operating, LLC**



## Amy Archuleta

---

**From:** Amy Archuleta  
**Sent:** Tuesday, December 11, 2018 4:46 PM  
**To:** cory.smith@state.nm.us; vanessa.fields@state.nm.us; 'Emmanuel'; Steve J. Austin - NNEPA WQ/NPDES Program (nnepawq@frontiernet.net)  
**Subject:** Dodd Geiger 1 - 30-045-27234 - Release notification

All:

While working on this BGT to remove it, contamination was noticed. This will e-mail will serve as notice of a release under the BGT. The amount is unknown at this time. We immediately pulled the BGT and excavated the area beneath. This will also serve as a waiver of 72 hr required notice to remove the BGT, because it now falls under 19.15.29. I will notify you all when we are ready to pull confirmation samples for this site. I will also submit the initial C-141 to all of you.

Thank you,



Amy Archuleta  
Regulatory  
Phone: (505) 632-3476 x201  
Fax: (505) 632-8151  
[aarchuleta@djrlc.com](mailto:aarchuleta@djrlc.com)





District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

17035-0041

Form C-138  
Revised 08/01/11

\*Surface Waste Management Facility Operator  
and Generator shall maintain and make this  
documentation available for Division inspection.

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: DJR Operating, LLC 1 Road 3263, Aztec NM 87410	
2. Originating Site: Dodd Geiger 1 30-045-27234	
3. Location of Material (Street Address, City, State or ULSTR): NESE Sec.26-T25N-R12W San Juan County, NM	
4. Source and Description of Waste: Contaminated soil from a separator that leaked. It contains crude oil and produced water. Estimated Volume 14 YDS yd <sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) 127/45 yd <sup>3</sup> / bbls	
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Chris Siles</u> , representative or authorized agent for DJR Operating, LLC do hereby Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non- exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) 6. GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Greg Crabtree</u> , representative for DJR Operating, LLC authorize Envirotech to Generator Signature complete the required testing/sign the Generator Waste Testing Certification. I, <u>Greg Crabtree</u> , representative for <u>Envirotech</u> do hereby certify that Representative/Agent Signature Representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.	
6. Transporter: Calder Services, Efficiency Enterprises	

### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-0011

Address of Facility: Hilltop, New Mexico

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

TITLE: Waste Coordinator

DATE: 12/12/18

SIGNATURE: [Signature]

TELEPHONE NO.: 505-632-0615

Surface Waste Management Facility Authorized Agent



**DJR Operating, LLC  
Dodd Geiger #1 BGT and Separator Release  
Closure Photo Log**



Photo 3: Looking east at BGT excavation. Photo taken December 21, 2018.



Photo 4: Looking southeast at the BGT excavation. Photo taken December 21, 2018.





**DJR Operating, LLC  
Dodd Geiger #1 BGT and Separator Release  
Closure Photo Log**



Photo 7: New above ground tank installed in the same location of the former BGT. Photo taken January 14, 2019.





## Analytical Report

### Report Summary

Client: Animas Environmental Services  
Chain Of Custody Number:  
Samples Received: 12/21/2018 1:12:00PM  
Job Number: 17035-0028  
Work Order: P812049  
Project Name/Location: Dodd Gieger 1

Report Reviewed By:

Date: 1/9/19

Walter Hinchman, Laboratory Director

Date: 1/9/19

Tim Cain, Project Manager



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.  
Envirotech, Inc. currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.





Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-1	P812049-01A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-01B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-2	P812049-02A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-02B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-3	P812049-03A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-03B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-4	P812049-04A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-04B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-5	P812049-05A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-05B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-6	P812049-06A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-06B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
SC-7	P812049-07A	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.
	P812049-07B	Soil	12/21/18	12/21/18	Glass Jar, 4 oz.

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Animas Environmental Services 624 E. Comanche St. Farmington NM, 87401-6815	Project Name: Dodd Gieger 1 Project Number: 17035-0028 Project Manager: Tami Knight	Reported: 01/09/19 15:37
---	---	-----------------------------

**SC-1  
P812049-01 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b><u>Volatile Organics by EPA 8021</u></b>									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1901002	01/02/19	01/03/19	EPA 8021B	
<b><u>Nonhalogenated Organics by 8015</u></b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1901008	01/02/19	01/07/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/07/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %		50-150	1901002	01/02/19	01/03/19	EPA 8015D	
Surrogate: n-Nonane		113 %		50-200	1901008	01/02/19	01/07/19	EPA 8015D	
<b><u>Anions by 300.0/9056A</u></b>									
Chloride	239	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

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laboratory@envirotech-inc.com





Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

**SC-2**  
**P812049-02 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b><u>Volatile Organics by EPA 8021</u></b>									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1901002	01/02/19	01/03/19	EPA 8021B	
<b><u>Nonhalogenated Organics by 8015</u></b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		110 %		50-150	1901002	01/02/19	01/03/19	EPA 8015D	
Surrogate: n-Nonane		113 %		50-200	1901008	01/02/19	01/08/19	EPA 8015D	
<b><u>Anions by 300.0/9056A</u></b>									
Chloride	34.7	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

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laboratory@envirotech-inc.com







Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

**SC-3**  
**P812049-03 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		100 %		50-150	1901002	01/02/19	01/03/19	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %		50-150	1901002	01/02/19	01/03/19	EPA 8015D	
Surrogate: n-Nonane		112 %		50-200	1901008	01/02/19	01/08/19	EPA 8015D	
<b>Anions by 300.0/9056A</b>									
Chloride	117	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

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Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

**SC-4**  
**P812049-04 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %		50-150	1901002	01/02/19	01/03/19	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	47.4	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	109	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		111 %		50-150	1901002	01/02/19	01/03/19	EPA 8015D	
Surrogate: n-Nonane		114 %		50-200	1901008	01/02/19	01/08/19	EPA 8015D	
<b>Anions by 300.0/9056A</b>									
Chloride	88.2	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

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Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

### SC-5

#### P812049-05 (Solid)

#### Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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#### Volatile Organics by EPA 8021

Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150		1901002	01/02/19	01/03/19	EPA 8021B	

#### Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	36.8	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		109 %	50-150		1901002	01/02/19	01/03/19	EPA 8015D	
<i>Surrogate: n-Nonane</i>		112 %	50-200		1901008	01/02/19	01/08/19	EPA 8015D	

#### Anions by 300.0/9056A

Chloride	172	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	
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Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

**SC-6**  
**P812049-06 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1901002	01/02/19	01/03/19	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	215	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	234	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		108 %		50-150	1901002	01/02/19	01/03/19	EPA 8015D	
Surrogate: n-Nonane		124 %		50-200	1901008	01/02/19	01/08/19	EPA 8015D	
<b>Anions by 300.0/9056A</b>									
Chloride	545	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	

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Animas Environmental Services 624 E. Comanche St. Farmington NM, 87401-6815	Project Name: Dodd Gieger I Project Number: 17035-0028 Project Manager: Tami Knight	Reported: 01/09/19 15:37
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**SC-7**
**P812049-07 (Solid)**

## Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Volatile Organics by EPA 8021**

Benzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Toluene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1901002	01/02/19	01/03/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1901002	01/02/19	01/03/19	EPA 8021B	

**Nonhalogenated Organics by 8015**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1901002	01/02/19	01/03/19	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1901008	01/02/19	01/08/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %		50-150	1901002	01/02/19	01/03/19	EPA 8015D	
Surrogate: n-Nonane		113 %		50-200	1901008	01/02/19	01/08/19	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	1901006	01/02/19	01/02/19	EPA 300.0/9056A	
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Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1901002 - Purge and Trap EPA 5030A

##### Blank (1901002-BLK1)

Prepared: 01/02/19 0 Analyzed: 01/02/19 1

Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	8140		"	8000		102	50-150			

##### LCS (1901002-BS1)

Prepared: 01/02/19 0 Analyzed: 01/02/19 2

Benzene	4180	100	ug/kg	5000		83.6	70-130			
Toluene	4190	100	"	5000		83.8	70-130			
Ethylbenzene	4220	100	"	5000		84.3	70-130			
p,m-Xylene	8690	200	"	10000		86.9	70-130			
o-Xylene	4290	100	"	5000		85.7	70-130			
Total Xylenes	13000	100	"	15000		86.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8250		"	8000		103	50-150			

##### Matrix Spike (1901002-MS1)

Source: P812051-01

Prepared: 01/02/19 0 Analyzed: 01/02/19 2

Benzene	4920	100	ug/kg	5000	ND	98.5	54.3-133			
Toluene	4950	100	"	5000	ND	99.0	61.4-130			
Ethylbenzene	5000	100	"	5000	ND	100	61.4-133			
p,m-Xylene	10200	200	"	10000	ND	102	63.3-131			
o-Xylene	4970	100	"	5000	ND	99.3	63.3-131			
Total Xylenes	15200	100	"	15000	ND	101	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	8230		"	8000		103	50-150			

##### Matrix Spike Dup (1901002-MSD1)

Source: P812051-01

Prepared: 01/02/19 0 Analyzed: 01/02/19 2

Benzene	5240	100	ug/kg	5000	ND	105	54.3-133	6.21	20	
Toluene	5240	100	"	5000	ND	105	61.4-130	5.71	20	
Ethylbenzene	5280	100	"	5000	ND	106	61.4-133	5.55	20	
p,m-Xylene	10800	200	"	10000	ND	108	63.3-131	5.45	20	
o-Xylene	5240	100	"	5000	ND	105	63.3-131	5.32	20	
Total Xylenes	16000	100	"	15000	ND	107	63.3-131	5.41	20	
Surrogate: 4-Bromochlorobenzene-PID	8210		"	8000		103	50-150			

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laboratory@envirotech-inc.com





Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

**Nonhalogenated Organics by 8015 - Quality Control**  
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1901002 - Purge and Trap EPA 5030A**

**Blank (1901002-BLK1)**

Prepared: 01/02/19 0 Analyzed: 01/02/19 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.77		"	8.00		110	50-150			

**LCS (1901002-BS2)**

Prepared: 01/02/19 0 Analyzed: 01/02/19 2

Gasoline Range Organics (C6-C10)	43.1	20.0	mg/kg	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.12		"	8.00		114	50-150			

**Matrix Spike (1901002-MS2)**

Source: P812051-01

Prepared: 01/02/19 0 Analyzed: 01/02/19 2

Gasoline Range Organics (C6-C10)	44.2	20.0	mg/kg	50.0	ND	88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		"	8.00		109	50-150			

**Matrix Spike Dup (1901002-MSD2)**

Source: P812051-01

Prepared: 01/02/19 0 Analyzed: 01/02/19 2

Gasoline Range Organics (C6-C10)	48.8	20.0	mg/kg	50.0	ND	97.6	70-130	9.94	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.83		"	8.00		110	50-150			

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Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1901008 - DRO Extraction EPA 3570

##### Blank (1901008-BLK1)

Prepared: 01/02/19 1 Analyzed: 01/08/19 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	65.0		"	50.0		130	50-200			

##### LCS (1901008-BS1)

Prepared: 01/02/19 1 Analyzed: 01/07/19 2

Diesel Range Organics (C10-C28)	460	25.0	mg/kg	500		92.1	38-132			
Surrogate: n-Nonane	56.9		"	50.0		114	50-200			

##### Matrix Spike (1901008-MS1)

Source: P812047-01

Prepared: 01/02/19 1 Analyzed: 01/07/19 2

Diesel Range Organics (C10-C28)	424	25.0	mg/kg	500	ND	84.7	38-132			
Surrogate: n-Nonane	55.8		"	50.0		112	50-200			

##### Matrix Spike Dup (1901008-MSD1)

Source: P812047-01

Prepared: 01/02/19 1 Analyzed: 01/07/19 2

Diesel Range Organics (C10-C28)	431	25.0	mg/kg	500	ND	86.1	38-132	1.66	20	
Surrogate: n-Nonane	55.9		"	50.0		112	50-200			

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Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

Reported:  
01/09/19 15:37

### Anions by 300.0/9056A - Quality Control

### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1901006 - Anion Extraction EPA 300.0/9056A

##### Blank (1901006-BLK1)

Prepared & Analyzed: 01/02/19 1

Chloride	ND	20.0	mg/kg
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##### LCS (1901006-BS1)

Prepared & Analyzed: 01/02/19 1

Chloride	254	20.0	mg/kg	250	102	90-110
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##### Matrix Spike (1901006-MS1)

Source: P812049-01

Prepared & Analyzed: 01/02/19 1

Chloride	471	20.0	mg/kg	250	239	92.8	80-120
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##### Matrix Spike Dup (1901006-MSD1)

Source: P812049-01

Prepared & Analyzed: 01/02/19 1

Chloride	515	20.0	mg/kg	250	239	110	80-120	8.83	20
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Animas Environmental Services  
624 E. Comanche St.  
Farmington NM, 87401-6815

Project Name: Dodd Gieger 1  
Project Number: 17035-0028  
Project Manager: Tami Knight

**Reported:**  
01/09/19 15:37

#### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
RPD Relative Percent Difference  
\*\* Methods marked with \*\* are non-accredited methods.

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# Project Information

Client: AES

Project: Dodd Gieger 1  
Project Manager: Tami Knight  
Address: 604 W. Pinon  
City, State, Zip: Farmington, NM 87401  
Phone: 505-564-2281  
Email: tknight@animasenvironmental.com

## Chain of Custody

Report Attention  
Bill To DJR  
Attention: Amy Archuleta  
Address: 1 Road 3263  
City, State, Zip: Aztec, NM 87410  
Phone: 505-632-3476  
Email: aarchuleta@djrlc.com

Lab Use Only

Lab WO# 12040  
Job Number 17035-0026

Analysis and Method

State

NM CO UT A

Remarks

X

TPH 418.1

Chloride 300.0

Metals 6010

VOC by 8260

BTEX by 8021

GRO/DRO by 8015

DRO/DRO by 8015

Lab Number

1

2

3

4

5

6

7

SC-1

SC-2

SC-3

SC-4

SC-5

SC-6

SC-7

Soil

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## Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Shaden Jaquez

Relinquished by: (Signature) Shaden Jaquez Date 12-21-18 Time 13:12

Relinquished by: (Signature) Shaden Jaquez Date 12-21-18 Time 13:12

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Received on ice: X / N T1 13:12 T2 13:12 T3 13:12

AVG Temp °C 4

Lab Use Only

Received on ice: X / N T1 13:12 T2 13:12 T3 13:12

AVG Temp °C 4

Lab Use Only

Received on ice: X / N T1 13:12 T2 13:12 T3 13:12

AVG Temp °C 4

Lab Use Only



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