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 NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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

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: 1 Road 6263, Aztec, New Mexico, 87410
Facility or well name: MARTIN WHITTAKER #35
API Number: 30-039-23285 OCD Permit Number:
U/L or Qtr/Qtr A Section 15 Township 23N Range 4W County: Rio Arriba
Center of Proposed Design: Latitude 36.22905 Longitude -107.23672 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: Waste Tank
Tank Construction material: Fiberglass Tank
☐ 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 walled tank
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

NMOCD
DEC 12 2018
DISTRICT III

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 4 foot tall hogwire fencing with pipe railing

35

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. ☐ Yes ☒ No ☐ NA

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

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . ☐ Yes ☐ No ☒ NA

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

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)** ☐ Yes ☐ No

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

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** ☐ Yes ☐ No

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

Within an unstable area. **(Does not apply to below grade tanks)** ☐ Yes ☐ No

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

Within a 100-year floodplain. **(Does not apply to below grade tanks)** ☐ Yes ☐ No

- FEMA map

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). ☐ Yes ☒ No

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

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. ☐ Yes ☒ No

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

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.) ☐ Yes ☐ No

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

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. ☐ Yes ☐ No

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

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. ☐ Yes ☐ No

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

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.

Name: _____ 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:** 12/12/2018

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:** November 12, 2018

20.
Closure Method:
☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

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

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

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

22.

Operator Closure Certification:

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

Name (Print): Amy Archuleta Title: Regulatory Specialist

Signature: Date: 12-11-18

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

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 **Martin Whittaker 35** well 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 due by 01-19-2013. It was not done until 11-12-2018.**

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 9-4-2018. BGT area was closed on 11-12-18, this exceeded the 60 days. There was noticeable contamination in the area.

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 8-23-2018.

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 he 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 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.
Because contamination was observed we notified Jicarilla Oil and Gas, Jicarilla EPO, NMOCD and BLM and removed the tank immediately.

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 Industrial Ecosystems, Inc. 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.

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 tank was cut up and taken to the landfill by the contactor.

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 .02 mg/kg benzene, 50 mg/kg BTEX, 100 mg/kg TPH, and 250 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. **Attached C-141 w/ results.**
        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. **Backfill soil was taken from Jicarilla "borrow pit".**
        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. **This well was plugged and abandoned. Reclamation will be done per the approved reclamation plan.**

b. If soil samples exceed the regulatory standards stated above.
   i. 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.
   ii. 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.
   N/A

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☐.

Amy Archuleta
Regulatory Supervisor
DJR Operating, LLC

Amy Archuleta

From:	Amy Archuleta
Sent:	Thursday, August 23, 2018 2:11 PM
To:	orsonharrison@jicarillaoga.com; Jason Sandoval; 'Alfred Vigil'; Smith, Cory, EMNRD; Fields, Vanessa, EMNRD; 'Emmanuel'; Whitney Thomas (L1Thomas@blm.gov); Hobson Sandoval; hobsonsandoval@yahoo.com; 'Hobson Sandoval'
Cc:	Kurt Sandoval; Marlena Reval; Vicenti, Deedra
Subject:	Martin Whittaker 35- 30-039-23285 Below Grade Tank

All:

While cleaning out the soil around the BGT to provide visibility to the bottom of this soon to be Plugged and Abandoned location, contaminated soil was found. This will serve as notice of the release. We are unsure of the amount released at this time.
I will file an initial C141 within the 15 day requirement. We will close this BGT with in the required time frame as well.

If you have any questions or concerns, please contact me.

Thank you,

DJR Operating
Amy Archuleta
Regulatory
Phone: (505) 632-3476 x201
Fax: (505) 632-8151
aarchuleta@djrllc.com

., Hobbs, NM 88240
d Avenue, Artesia, NM 88210
Brazos Road, Aztec, NM 87410
S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-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

Rott AA-EV-NMOCD

1. **Generator Name and Address:**
DJR Operating, LLC 1 Road 3263 Aztec, NM 87410

2. **Originating Site:**
Martin Whittaker 35 30-039-23285

3. **Location of Material (Street Address, City, State or ULSTR):**
NENE Sec.15-T23N-R04W Rio Arriba County, NM

4. **Source and Description of Waste:**
Contaminated soil from cleaning around below grade pits containing hydrocarbons and iron sulfites.

Estimated Volume 36 yds yd^3 / bbls Known Volume (to be entered by the operator at the end of the haul) 25 yd^3 /bbls

5. **GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Linda Sikes, 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)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. *Operator Use Only: Waste Acceptance Frequency* ☐ *Monthly* ☐ *Weekly* ☒ *Per Load*

☐ 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)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

Linda Sikes, representative for DJR Operating, LLC authorize IEI to
Generator Signature

complete the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for _____ 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.

Transporter Calder Services

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: #: JFJ Land farm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B

Address of Facility: 49 CR 3150 Aztec, NM 87410

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: Celia Sanchez TITLE: Clerk DATE: 9/4/18

SIGNATURE: Celia Sanchez TELEPHONE NO.: 505-632-1782
Surface Waste Management Facility Authorized Agent

8/30/18

ach Dr., Hobbs, NM 88240
. Grand Avenue, Artesia, NM 88210
ct III
0 Rio Brazos Road, Aztec, NM 87410
istrict IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-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

Pott A-A-EV-NMOCD

1. **Generator Name and Address:**
DJR Operating, LLC 1 Road 3263 Aztec, NM 87410

2. **Originating Site:**
Martin Whittaker 35 30-039-23285

3. **Location of Material (Street Address, City, State or ULSTR):**
NENE Sec.15-T23N-R04W Rio Arriba County, NM

4. **Source and Description of Waste:**
Contaminated soil from cleaning around below grade pits containing hydrocarbons and iron sulfites. 9/7/18 - 24yd

Estimated Volume 36 yds yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 25 yd³ / bbls

5. **GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Linda Sikes, 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)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. *Operator Use Only: Waste Acceptance Frequency* ☒ *Monthly* ☐ *Weekly* ☒ *Per Load*

☐ 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)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

Linda Sikes, representative for DJR Operating, LLC authorize IEI to
Generator Signature

complete the required testing/sign the Generator Waste Testing Certification.

I, _____, representative for _____ 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.

Transporter Calder Services

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: #: JFJ Land farm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B

Address of Facility: 49 CR 3150 Aztec, NM 87410

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: Celia Sanchez TITLE: Clerk DATE: 9/4/18

SIGNATURE: Celia Sanchez TELEPHONE NO.: 505-632-1782
Surface Waste Management Facility Authorized Agent

8/30/18

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

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

Form C-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 I Road 3263 Aztec, NM 87410

2. **Originating Site:**
Martin Whittaker 35 30-039-23285

3. **Location of Material (Street Address, City, State or ULSTR):**
NENE Sec.15-T23N-R04W Rio Arriba County, NM

4. **Source and Description of Waste:**
Contaminated soil from underneath production tank containing hydrocarbons and iron sulfites.

Estimated Volume 10 yds yd^3 / bbls Known Volume (to be entered by the operator at the end of the haul) 12 yd^3 / bbls

5. **GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**

I, Cindy Sikes, 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)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. *Operator Use Only: Waste Acceptance Frequency ☒ Monthly ☐ Weekly ☒ Per Load*

☐ 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)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Bo

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Cindy Sikes, representative for DJR Operating, LLC authorize IEI to
Generator Signature
complete the required testing/sign the Generator Waste Testing Certification.

I, Celia S, representative for IEI 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 have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

Transporter Calder Services

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: #: JFJ Land farm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B

Address of Facility: 49 CR 3150 Aztec, NM 87410

CL- 464
PH- 7

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: Celia Sanchez TITLE: Clerk DATE: 10/11/18

SIGNATURE: Celia Sanchez TELEPHONE NO.: 505-632-1782
Surface Waste Management Facility Authorized Agent

10/10/18

Green Analytical Laboratories

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

03 October 2018

Jake Harter
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
RE: BTEX/TPH, Cl

Enclosed are the results of analyses for samples received by the laboratory on 09/20/18 13:32.
If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.

Green Analytical Laboratories
dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS01	1809156-01	Solid	09/20/18 09:35	09/20/18 13:32	
SS02	1809156-02	Solid	09/20/18 09:49	09/20/18 13:32	
SS03	1809156-03	Solid	09/20/18 10:00	09/20/18 13:32	
SS04	1809156-04	Solid	09/20/18 10:12	09/20/18 13:32	
SS05	1809156-05	Solid	09/20/18 10:20	09/20/18 13:32	
SS06	1809156-06	Solid	09/20/18 11:00	09/20/18 13:32	

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

SS01

1809156-01 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**92.6**			%	1	09/28/18	EPA160.3/1684		JDU
Soluble (DI Water Extraction)									
Chloride	**246**	10.8	2.08	mg/kg dry	10	10/02/18	EPA300.0		LLG
Subcontracted -- **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/25/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/25/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/25/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.8-142*		*09/25/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	5.30	mg/kg	1	09/24/18	8015B		MS
DRO >C10-C28*	**201**	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
EXT DRO >C28-C36	**16.5**	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
Surrogate: 1-Chlorooctane			*83.9 %*	*41-142*		*09/24/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*91.4 %*	*37.6-147*		*09/24/18*	*8015B*		MS

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

SS02

1809156-02 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**92.3**			%	1	09/28/18	EPA160.3/1684		JDU
Soluble (DI Water Extraction)									
Chloride	**33.8**	10.8	2.09	mg/kg dry	10	10/03/18	EPA300.0		LLG
Subcontracted -- **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/25/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/25/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/25/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.8-142*		*09/25/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	5.30	mg/kg	1	09/24/18	8015B		MS
DRO >C10-C28*	<10.0	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
Surrogate: 1-Chlorooctane			*90.0 %*	*41-142*		*09/24/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*83.0 %*	*37.6-147*		*09/24/18*	*8015B*		MS

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

SS03

1809156-03 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**96.0**			%	1	09/28/18	EPA160.3/1684		JDU
Soluble (DI Water Extraction)									
Chloride	**85.3**	10.4	2.01	mg/kg dry	10	10/03/18	EPA300.0		LLG
Subcontracted -- **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/25/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/25/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/25/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*69.8-142*		*09/25/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	5.30	mg/kg	1	09/24/18	8015B		MS
DRO >C10-C28*	<10.0	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
Surrogate: 1-Chlorooctane			*91.9 %*	*41-142*		*09/24/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*85.2 %*	*37.6-147*		*09/24/18*	*8015B*		MS

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www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

SS04

1809156-04 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**95.1**			%	1	09/28/18	EPA160.3/1684		JDU
Soluble (DI Water Extraction)									
Chloride	**124**	10.5	2.03	mg/kg dry	10	10/03/18	EPA300.0		LLG
Subcontracted -- **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/25/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/25/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/25/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.8-142*		*09/25/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	5.30	mg/kg	1	09/24/18	8015B		MS
DRO >C10-C28*	<10.0	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
Surrogate: 1-Chlorooctane			*88.7 %*	*41-142*		*09/24/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*84.1 %*	*37.6-147*		*09/24/18*	*8015B*		MS

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www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

SS05

1809156-05 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**96.2**			%	1	09/28/18	EPA160.3/1684		JDU
Soluble (DI Water Extraction)									
Chloride	**34.1**	10.4	2.01	mg/kg dry	10	10/03/18	EPA300.0		LLG
Subcontracted -- **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/25/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/25/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/25/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/25/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*69.8-142*		*09/25/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	5.30	mg/kg	1	09/24/18	8015B		MS
DRO >C10-C28*	<10.0	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
Surrogate: 1-Chlorooctane			*89.0 %*	*41-142*		*09/24/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*82.8 %*	*37.6-147*		*09/24/18*	*8015B*		MS

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

SS06

1809156-06 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**91.8**			%	1	09/28/18	EPA160.3/1684		JDU
Soluble (DI Water Extraction)									
Chloride	**180**	10.9	2.10	mg/kg dry	10	10/03/18	EPA300.0		LLG
Subcontracted -- **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	09/26/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	09/26/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	09/26/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	09/26/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	09/26/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*104 %*	*69.8-142*		*09/26/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	5.30	mg/kg	1	09/24/18	8015B		MS
DRO >C10-C28*	**390**	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
EXT DRO >C28-C36	**176**	10.0	1.56	mg/kg	1	09/24/18	8015B		MS
Surrogate: 1-Chlorooctane			*94.9 %*	*41-142*		*09/24/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*105 %*	*37.6-147*		*09/24/18*	*8015B*		MS

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B809202 - General Prep - Wet Chem										
Duplicate (B809202-DUP1)		**Source: 1809157-03**		Prepared: 09/27/18 Analyzed: 09/28/18						
% Dry Solids	89.5		%		89.0			0.530	20	

Soluble (DI Water Extraction) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B810004 - General Prep - Wet Chem										
Blank (B810004-BLK1)				Prepared: 10/01/18 Analyzed: 10/02/18						
Chloride	ND	1.00	mg/kg wet							
LCS (B810004-BS1)				Prepared: 10/01/18 Analyzed: 10/02/18						
Chloride	24.0	1.00	mg/kg wet	25.0		96.2	85-115			
LCS Dup (B810004-BSD1)				Prepared: 10/01/18 Analyzed: 10/02/18						
Chloride	24.5	1.00	mg/kg wet	25.0		98.1	85-115	1.94	20	

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8092406 - Volatiles										
Blank (8092406-BLK1)			Prepared: 09/24/18 Analyzed: 09/25/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.104*		mg/kg	*0.100*		*104*	*69.8-142*			
Benzene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
LCS (8092406-BS1)			Prepared: 09/24/18 Analyzed: 09/25/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.102*		mg/kg	*0.100*		*102*	*69.8-142*			
Benzene	1.88	0.050	mg/kg	2.00		94.2	74.5-124			
Ethylbenzene	2.22	0.050	mg/kg	2.00		111	78.6-122			
Toluene	2.04	0.050	mg/kg	2.00		102	78.8-122			
Total Xylenes	6.42	0.150	mg/kg	6.00		107	79.7-123			
LCS Dup (8092406-BSD1)			Prepared: 09/24/18 Analyzed: 09/25/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.103*		mg/kg	*0.100*		*103*	*69.8-142*			
Benzene	1.85	0.050	mg/kg	2.00		92.7	74.5-124	1.64	15.2	
Ethylbenzene	2.19	0.050	mg/kg	2.00		110	78.6-122	1.25	15.4	
Toluene	2.03	0.050	mg/kg	2.00		102	78.8-122	0.448	15.1	
Total Xylenes	6.35	0.150	mg/kg	6.00		106	79.7-123	1.16	15.2	
Batch 8092407 - Volatiles										
Blank (8092407-BLK1)			Prepared: 09/24/18 Analyzed: 09/25/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.106*		mg/kg	*0.100*		*106*	*69.8-142*			
Benzene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
LCS (8092407-BS1)			Prepared: 09/24/18 Analyzed: 09/25/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.104*		mg/kg	*0.100*		*104*	*69.8-142*			
Benzene	1.82	0.050	mg/kg	2.00		90.8	74.5-124			
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	78.6-122			
Toluene	1.99	0.050	mg/kg	2.00		99.4	78.8-122			
Total Xylenes	6.20	0.150	mg/kg	6.00		103	79.7-123			

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

Volatile Organic Compounds by EPA Method 8021 - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8092407 - Volatiles (Continued)										
LCS Dup (8092407-BSD1)			Prepared: 09/24/18 Analyzed: 09/25/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.106*		mg/kg	*0.100*		*106*	*69.8-142*			
Benzene	1.77	0.050	mg/kg	2.00		88.3	74.5-124	2.77	15.2	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	78.6-122	1.21	15.4	
Toluene	1.94	0.050	mg/kg	2.00		97.0	78.8-122	2.46	15.1	
Total Xylenes	6.14	0.150	mg/kg	6.00		102	79.7-123	0.969	15.2	

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8092305 - General Prep - Organics										
Blank (8092305-BLK1)			Prepared: 09/23/18 Analyzed: 09/24/18							
Surrogate: 1-Chlorooctadecane	*45.3*		mg/kg	*50.0*		*90.7*	*37.6-147*			
Surrogate: 1-Chlorooctane	*47.5*		mg/kg	*50.0*		*95.1*	*41-142*			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
LCS (8092305-BS1)			Prepared: 09/23/18 Analyzed: 09/24/18							
Surrogate: 1-Chlorooctadecane	*47.8*		mg/kg	*50.0*		*95.5*	*37.6-147*			
Surrogate: 1-Chlorooctane	*48.0*		mg/kg	*50.0*		*96.0*	*41-142*			
DRO >C10-C28	187	10.0	mg/kg	200		93.6	72.9-138			
GRO C6-C10	196	10.0	mg/kg	200		97.9	76.5-133			
Total TPH C6-C28	383	10.0	mg/kg	400		95.8	78-132			
LCS Dup (8092305-BSD1)			Prepared: 09/23/18 Analyzed: 09/24/18							
Surrogate: 1-Chlorooctadecane	*46.4*		mg/kg	*50.0*		*92.8*	*37.6-147*			
Surrogate: 1-Chlorooctane	*48.4*		mg/kg	*50.0*		*96.8*	*41-142*			
DRO >C10-C28	182	10.0	mg/kg	200		91.0	72.9-138	2.84	20.6	
GRO C6-C10	198	10.0	mg/kg	200		99.1	76.5-133	1.20	20.6	
Total TPH C6-C28	380	10.0	mg/kg	400		95.0	78-132	0.755	18	

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

Green Analytical Laboratories
dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: Martin Whittaker #035	**Reported:**
Durango CO, 81302	Project Manager: Jake Harter	10/03/18 12:07

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Green Analytical Laboratories
(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company or Client: Cottonwood Consulting, LLC	Bill to (if different):
Address: PO Box 1653	P.O. #:
City: Durango **State:** CO **Zip:** 81302	Company:
Phone #: 970-946-3761	Attn:
Contact Person: Jacob Harter	Address:
Email Report to: jharter@cottonwoodconsulting.com	City:
Project Name(optional): Martin Whitaker #035	State: Zip:
	Phone #:
Sampler Name (Print): Jacob Harter	Email:

For Lab Use	Sample Name or Location	Collected Date	Collected Time	Matrix: GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	DRINKING WATER	OTHER:	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other	Other:	ANALYSIS REQUEST: TPH (8015 or BOIS)	BTEX	Chlorides
1809-156-01	SS01	9/20/18	0935					X			3						X	X	X
-02	SS02	9/20/18	0949					X			3						X	X	X
-03	SS03	9/20/18	1000					X			3						X	X	X
-04	SS04	9/20/18	1012					X			3						X	X	X
-05	SS05	9/20/18	1020					X			3						X	X	X
-06	SS06	9/20/18	1100					X			3						X	X	X

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Jacob Harter	Date: 09/20/18 Time: 1332	Received By:	ADDITIONAL REMARKS: Report to State? (Circle) Yes (No)
Relinquished By:	Date: Time:	Received By:	
Relinquished By:	Date: Time:	Received By:	Florin
Relinquished By:	Date: Time:	Received By:	21.1/20.9 Temperature at receipt: CHECKED BY: JH

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

Amy Archuleta

From: Hobson Sandoval <hsandoval2012@gmail.com>
Sent: Monday, October 29, 2018 6:33 PM
To: Amy Archuleta
Cc: Jason Sandoval; Paul Lehrman; Richard Baldwin
Subject: Re: Martin Whittaker 35 BGT release - Plug and Abandon Location
Attachments: image001.jpg

Yes, I approve. Tell PAUL that you can use the back fill soil from the borrow pit between MP 7 and MP 8 on State Road 537, on the west side. Let us know how many yards you will need and either Jason Sandoval or I can give you approval to use that soil.

On Thu, Oct 25, 2018 at 10:20 AM Amy Archuleta <aarchuleta@djrllc.com> wrote:

> All:
>
> Envirotech sprayed potassium permanganate yesterday at this location. I have attached the photos for you to view. We are also ready to backfill when we receive approval for the borrow pit. 300 Gallons were applied to the area.
>
> **Jason**, Paul sent you the information on the borrow pit area, can you please verify we have approval to use this soil on the Martin Whittaker 35, please?
>
> Thank you
>
> Amy

Amy Archuleta

Regulatory

Phone: (505) 632-3476 x201

Fax: (505) 632-8151

aarchuleta@djrllc.com

November 13, 2018

Cory Smith
Environmental Specialist
New Mexico Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos
Aztec, New Mexico 87410

Sent via electronic mail to:
cory.smith@state.nm.us

RE: Below Grade Tank Release and Final Excavation Report
Martin Whittaker #35
API #30-039-23285
Incident No. NCS 1825433658
Rio Arriba County, New Mexico

Dear Mr. Smith:

On August 23, 2018, DJR Operating (DJR) completed below grade tank (BGT) closure activities at the DJR Martin Whittaker #35 located in Rio Arriba County, New Mexico. During the closure activities, soil contamination was observed beneath the BGT and subsequently excavated and transported for off-site disposal. On September 20, 2018, soil sampling for the environmental clearance of the final excavation limits was conducted. BGT removal and final excavation activities were completed by DJR contractors prior to excavation clearance sampling on September 20, 2018.

1.0 Site Information

1.1 Location

Site Name – Martin Whittaker #35
API# – 30-039-23285
Legal Description – NE¼ NE¼, Section 15, T23N, R4W, Rio Arriba County, New Mexico
Well Latitude/Longitude – N36.22905 and W107.23672, respectively
BGT Latitude/Longitude – N36.22905 and W107.23698, respectively
Land Jurisdiction – Jicarilla Apache Nation
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Location Map

604 W. Piñon St.
Farmington, NM 87401
505-564-2281

1911 Main, Ste 206
Durango, CO 81301
970-403-3084

www.animasenvironmental.com

DJR Operating, LLC
Martin Whittaker #35 Below Grade Tank Release and Final Excavation

Photo 3: Excavation prior to application of potassium permanganate. Photo taken October 24, 2018.

Photo 4: Excavation upon application of potassium permanganate. Photo taken October 24, 2018.