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-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

| | |
|---|---|
| Responsible Party Three Rivers Trucking | OGRID |
| Contact Name Cindy Pinkett | Contact Telephone 505-360-0936 |
| Contact email cpinkett@yahoo.com | Incident # *(assigned by OCD)* nVF1902954401 |
| Contact mailing address 5929 US Hwy 64, Farmington, New Mexico 87401 | |

nVF1902954152

## Location of Release Source

Latitude 36.825689 Longitude -107.967590
*(NAD 83 in decimal degrees to 5 decimal places)*

| | |
|---|---|
| Site Name Highway 173, Mile Marker 1 | Site Type |
| Date Release Discovered 1/26/2019 | API# *(if applicable)* |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| G | 10 | 30N | 11W | San Juan |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

## Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|---|---|---|
| ☐ Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| ☒ Produced Water | Volume Released (bbls) 10 | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☐ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☐ Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| ☐ Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release
Vehicular accident

NMOCD
MAR 08 2019
DISTRICT III

JD

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

| Was this a major release as defined by 19.15.29.7(A) NMAC? | If YES, for what reason(s) does the responsible party consider this a major release? |
|---|---|
| ☒ Yes ☐ No | 19.15.29.7 (b) may with reasonable probability reach a watercourse |

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Yes, Cindy Pinkett, Vanessa Fields, phone call on 1/26/2019

## Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Cindy Pinkett  Title: Sec Treas

Signature: Cindy Pinkett  Date: 3-6-2019

email: cpinkett@yahoo.com  Telephone: 505-360-0936

**OCD Only**

Received by: _____  Date: _____

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

# Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Cindy Pinkett Title: Sec Treas

Signature: C Pinkett Date: 3-6-2019

email: cpinkett@yahoo.com Telephone: 505-360-0936

**OCD Only**

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

envirotech

February 27, 2019 Project Number: 04036-0007

Ms. Cindy Pinkett
Three Rivers Trucking
5929 US Hwy 64
Farmington, New Mexico 87401

Email: cpinkett@yahoo.com
Phone: (505) 360-0936

**RE: EMERGENCY SPILL RESPONSE, ASSESSMENT, AND CLOSURE REPORT FOR PRODUCED WATER SPILL, HIGHWAY 173, MILE MARKER 1, AZTEC, NEW MEXICO**

Dear Ms. Pinkett,

Enclosed please find the *Spill Assessment and Closure Report* detailing emergency response and remediation activities completed for a produced water spill along Highway 173, near Mile Marker 1, Aztec, New Mexico.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
**ENVIROTECH, INC.**

Brittany Hall
Staff Scientist
bhall@envirotech-inc.com

Enclosures: Spill Cleanup Report

Cc: Client File No. 04036

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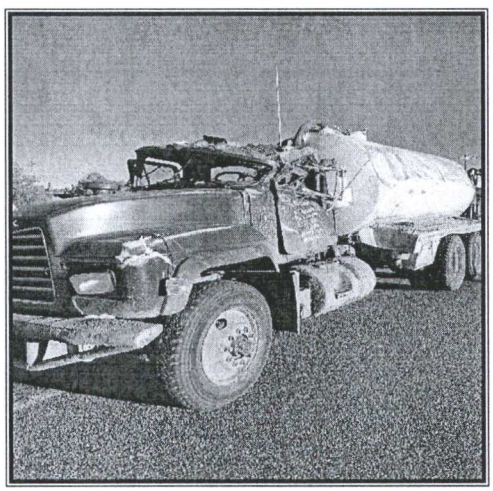
# EMERGENCY SPILL RESPONSE, ASSESSMENT, AND CLOSURE REPORT

**LOCATION:**
**HWY 173, MILE MARKER 1**
**AZTEC, NEW MEXICO**

**PREPARED FOR:**
**THREE RIVERS TRUCKING**
**MS. CINDY PINKETT**
**5926 US HWY 64**
**FARMINGTON, NEW MEXICO 87401**



**PROJECT NUMBER: 04036-0007**

**JANUARY 2019**

5796 US Highway 64, Farmington, NM 87401
Ph (505) 632-0615 Fx (505) 632-1865
24 Hour Emergency Response Phone (800) 362-1879
envirotech-inc.com
info@envirotech-inc.com

THREE RIVERS TRUCKING
EMERGENCY SPILL RESPONSE, ASSESSMENT, AND CLOSURE REPORT
HIGHWAY 173, MILE MARKER 1
AZTEC, SAN JUAN COUNTY, NEW MEXICO

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*Practical Solutions for a Better Tomorrow*

## Introduction

Envirotech, Inc. (Envirotech) of Farmington, New Mexico, was contracted by Three Rivers Trucking to provide emergency spill response and remediation activities for a trucking incident that resulted in the release of produced water, diesel, and motor oil. The release impacted the easement of Highway 173, approximately 760 feet of the adjacent power line right of way (ROW), and a natural depression/drainage extending south from the ROW; see ***Figure 1, Vicinity Map.***

The release (site) occurred along the southbound lane of the intersection of Highway 173 and Old Spanish Trail, near Mile Marker 1, Aztec, San Juan County, New Mexico. The release source location was further identified as Latitude: 36.825689, Longitude: -107.967590, and the release terminus as Latitude: 36.82631, -107.969851. Release extents are illustrated on ***Figure 2, Site Map***.

## Emergency Spill Response

Envirotech was initially contacted by Three Rivers Trucking on January 26, 2019, with a request for emergency spill response services at the above-referenced location. Upon arrival to the site Envirotech personnel completed a Job Safety Analysis (JSA) and site assessment prior to commencement of field work.

Initial response measures included installation of absorbent booms at the release terminus in order to prevent further migration of the fluids. Absorbent material was also placed along the asphalt bike path and shoulder of Highway 173 to mitigate surface impact from pooled diesel and motor oil. Before leaving the site on January 26, 2019, Envirotech collected the used absorbent material placed within the roadway and bike path. The material was placed into 55-gallon steel drums, transported off site to the Envirotech storage yard, and staged pending waste characterization and disposal.

Envirotech personnel returned to the site on Tuesday, January 29, 2019, to install fencing around the release area to deter access by the public and wildlife.

### Waste Characterization Sample Collection

Since the produced water was co-mingled with diesel and motor oil, the release derived waste materials are considered Non-exempt Exploration and Production (E&P) waste per the Resource Conservation and Recovery Act (RCRA); therefore, waste characterization samples were required to be collected in order to profile for potentially hazardous waste characteristics.

One (1) soil sample, including absorbent material (*Waste Characterization*), was collected from the area impacted by the motor oil and diesel fuel and one (1) soil sample (*Produced Water Spill*) was collected from the source area consisting mainly of produced water. Samples were placed into individual laboratory provided 4-ounce glass jars, capped head space free, and transported on ice under chain of custody to Envirotech's Analytical Laboratory.

The material impacted by diesel and motor oil was analyzed for RCRA eight (8) total metals per United States Environmental Protection Agency (USEPA) Method 6010. The metals included in the analysis are as follows: arsenic, barium, cadmium, chromium, lead, selenium, silver. The produced water impacted material was analyzed for total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) per USEPA Method 8015D, benzene, toluene, ethylbenzene, and total xylenes (BTEX) per USEPA Method 8021B, and chloride per USEPA Method 300.0.

### Laboratory Analytical Results

Laboratory analytical results for both soil samples collected resulted in concentrations of contaminants of concern below RCRA regulatory limits for hazardous waste characteristics; therefore, the material was approved to be disposed at Envirotech's New Mexico Oil Conservation Division (NMOCD) permitted soil remediation facility, Landfarm 2, located near Hilltop, New Mexico. Laboratory analytical reports are provided in ***Appendix A, Analytical Reports***.

## Spill Remediation

Envirotech personnel completed reclamation activities at the site on January 30 – February 1, 2019, that included excavation of petroleum hydrocarbon contaminated soil (PCS), field screening of soil samples, confirmation soil sample collection, laboratory analysis, disposal of PCS, and site restoration.

### Pre-field Coordination

Prior to remediation activities, an underground utility locate request was submitted to New Mexico 811 on January 28, 2019. A copy of the notifications is provided in ***Appendix B, Notifications.***

### PCS Excavation

Initial excavation activities started at the terminal end of the release and continued upgradient towards Highway 173. Visibly stained soil along the release path was excavated using hand tools and a mini-excavator. The excavation measured approximately 760 feet in length and varied 2

feet to 8 feet in width. Total depth of the excavation ranged from 6 inches to 1 foot below ground surface (bgs), with the exception of the area immediately adjacent to Highway 173, where the total depth reached up to 1.5 feet bgs. Excavation activities are documented in ***Appendix C, Photograph Log***.

**Soil Sample Field Screening**

The excavation was guided using a field screening method where a soil sample was analyzed in the field for TPH per USEPA Method 418.1 using an Infracal Total Oil and Gas (TOG)/ TPH Analyzer. A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed the manufacture's operating procedure.

*Field Screening Results*

One (1) five-point composite sample (Section Near Path) was collected from the area adjacent to Highway 173 where the diesel and motor oil release had been concentrated. The field screening results reported a concentration of TPH at 104 mg/kg. Field screening results are documented in ***Appendix D, Field Notes***.

**Confirmation Soil Sample Collection**

The excavation was divided into ten (10) sections (Sections1 – 10), each measuring approximately 75 feet long and varying in width and depth as previously documented. Confirmation soil samples were collected under witness of Vanessa Fields, NMOCD Environmental Specialist, on January 31 and February 1, 2019.

One (1) five-point composite sample was collected from each section (*Sections 1-10*) and from the area where contaminated soil was stockpiled (*Beneath Spoils Pile*). Samples were placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech's analytical laboratory. Soil samples were analyzed for GRO/DRO/ORO using USEPA Method 8015D, BTEX using USEPA Method 8021B, and chlorides using USEPA Method 300.0. Soil sample locations are illustrated in ***Figure 2, Site Map.***

*Laboratory Analytical Results*

Due to the proximity of the release to Hampton Arroyo (140 feet south of the release terminus), the following NMOCD closure criteria from Table 1 in 19.15.29.12 (E) New Mexico Administrative Code (NMAC) was used as the release closure criteria:

- Chloride - 600 mg/kg
- TPH (GRO+DRO+ORO) - 100 mg/kg

- BTEX - 50 mg/kg
- Benzene - 10 mg/kg

All soil samples collected for laboratory analysis returned results below the laboratory detection limits for BTEX and TPH except DRO from Section 9 at 37.8 mg/kg. Chloride was detected in all the samples analyzed, and concentrations ranged from 29.2 mg/kg in Section 3 to 230 mg/kg in Section 6. Analytical results are summarized in ***Table 1, Summary of Soil Analytical Results.***

### PCS Disposal and Site Restoration

Approximately 138 cubic yards of petroleum hydrocarbon and produced water contaminated soil were excavated and transported by Envirotech to Envirotech's NMOCD permitted soil remediation facility, Landfarm 2, located near Hilltop, New Mexico. To complete site restoration, approximately 10 cubic yards of clean backfill were transported by Envirotech to the site. The clean backfill and clean soil from the ROW were incorporated to re-contour the location to pre-incident conditions. Transport and disposal documentation are provided in ***Appendix E, Bills of Lading and Special Waste Manifest.***

## Summary and Conclusions

On January 30-February 1, 2019, Envirotech personnel completed an emergency spill response and subsequent remediation of soil impacted by produced water, diesel, and motor oil due to a trucking incident along the southbound lane of Highway 173 and Old Spanish Trail near Mile Marker 1, San Juan County, New Mexico.

Based on the final laboratory analytical results of the excavation of petroleum contaminated soils at the location, GRO, DRO, ORO, BTEX, and chlorides were below the applicable NMOCD Closure Criteria for Soils Impacted by a Release. Envirotech recommends **No Further Action** regarding the subject release site.

## Statement of Limitations

The work and services provided by Envirotech were in accordance with NMOCD standards. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
**ENVIROTECH, INC.**

Brittany Hall
Environmental Field Technician
bhall@envirotech-inc.com

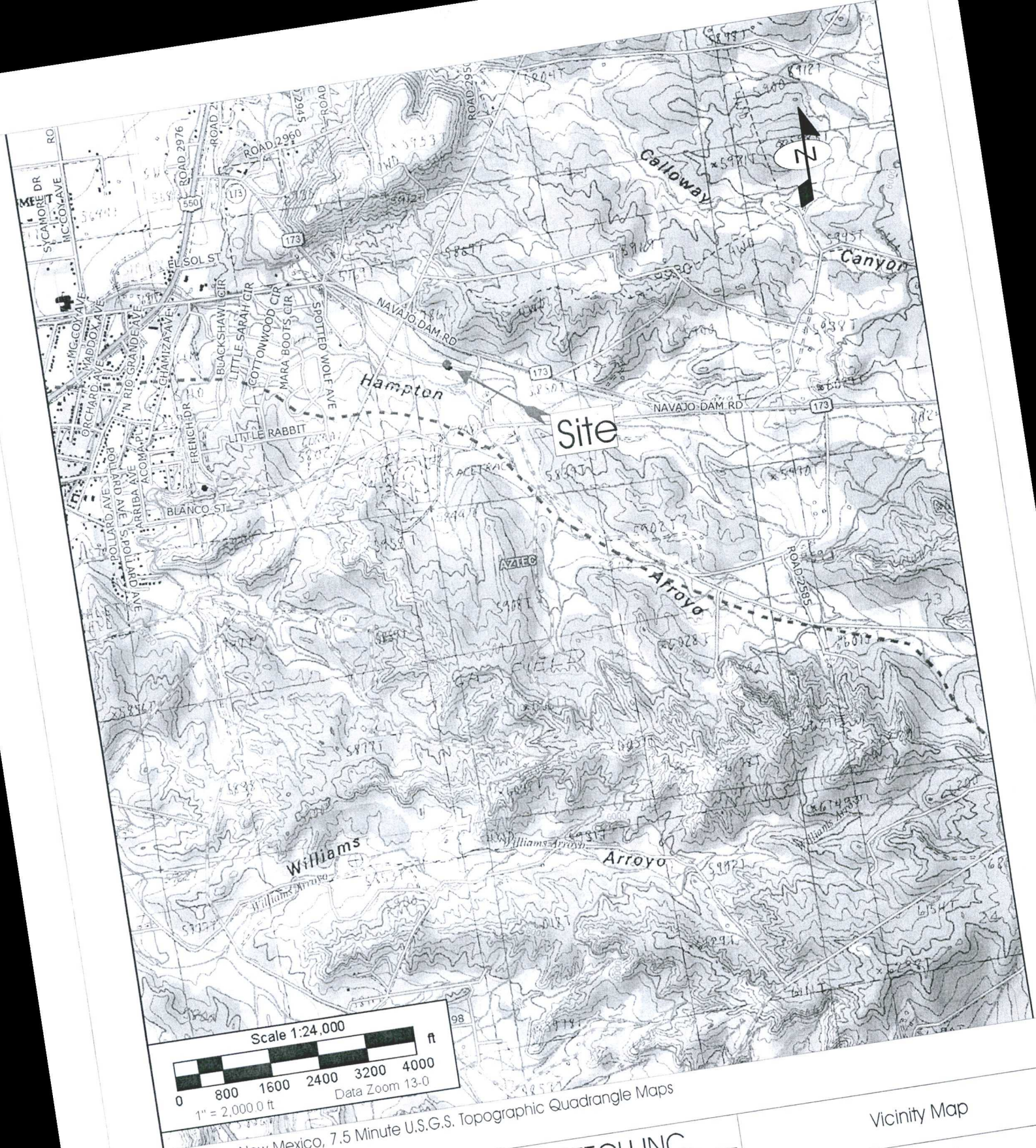
Reviewed by:

Felipe Aragon, CHMM, CES
Environmental Assistant Manager
faragon@envirotech-inc.com

## FIGURES

Figure 1, Vicinity Map

Figure 2, Site Map




Source: Aztec, New Mexico, 7.5 Minute U.S.G.S. Topographic Quadrangle Maps
Scale: 1:24,000 1" = 2000'

Three Rivers Trucking
Highway 173, Mile Marker 1
36.825689, -107.967590
Aztec, San Juan County, New Mexico

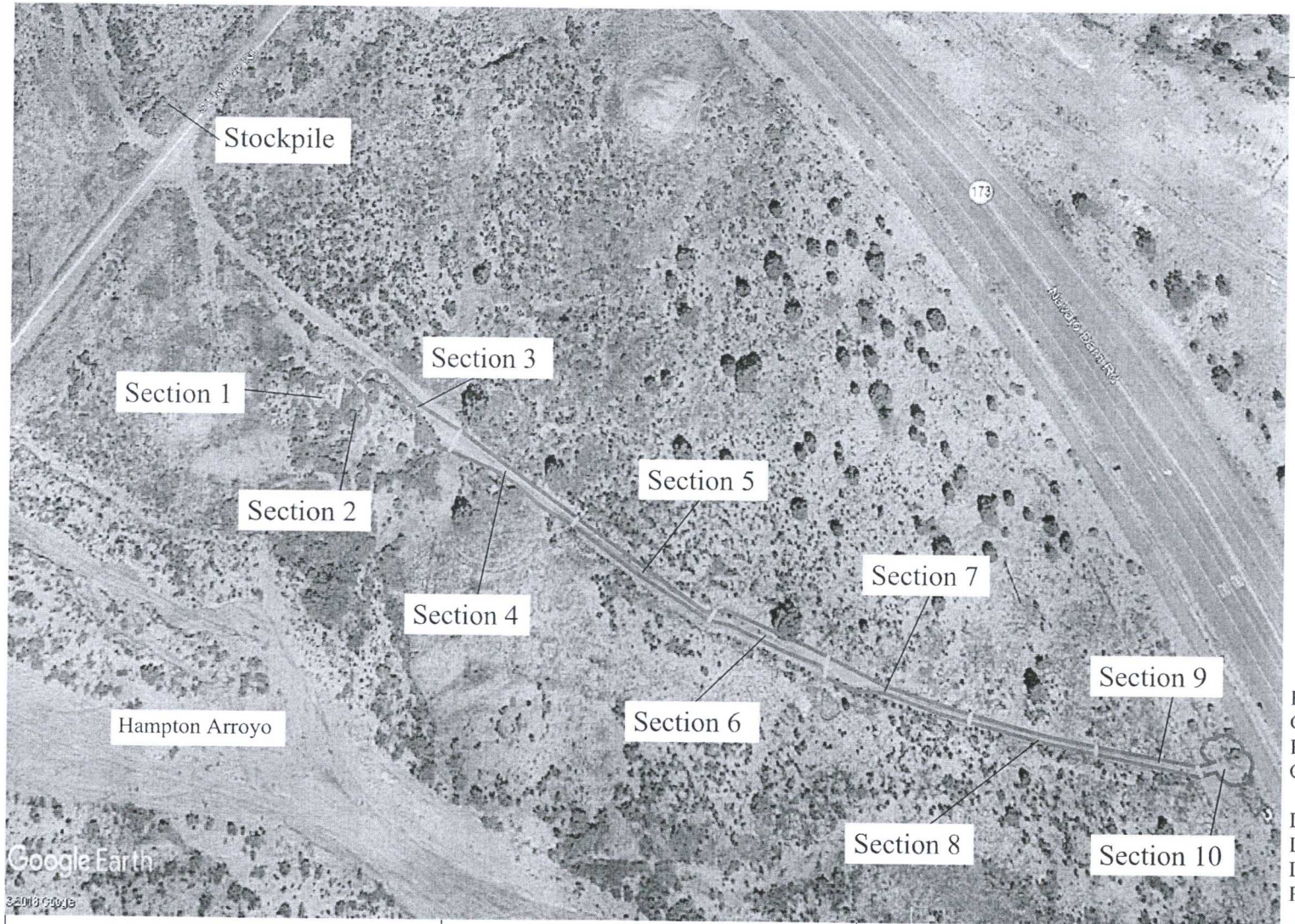
Project# 04036-0007 | Date Drawn: 2/18/19


ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO 87401
PHONE (505) 632-0615


Vicinity Map

Figure 1

Drawn By: Brittany Hall | Project Manager: Felipe Aragon




## LEGEND

Spill Path/Excavation

Section Indicator

BASE DRAWING OBTAINED FROM GOOGLE EARTH AND DOES NOT REFLECT THE CURRENT SITE CONDITIONS.

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES.

Three Rivers Trucking
Highway 173, Mile Marker 1
36.825689, −107.967590
Aztec, San Juan County, New Mexico
Event ID:

PROJECT NUMBER: 04036−0007

MAP SCALE: 1"= NTS

Figure 2, Site Map
January 2019

MAP DRAWN: BH 2/20/2019

REVISIONS

| NO. | DATE | BY | DESCRIPTION |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

envirotech
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64
Farmington, New Mexico 87401
505.632.0615

## TABLES

Table 1, Summary of Soil Analytical Results

Table 1, Summary of Soil Analytical Results
Three Rivers Trucking
Emergency Spill Respoonse, Assessment, and Closure Report
Highway 173, Mile Marker 1
Project Number: 04036-0007

| Sample Description* | Date | USEPA Method 8015 | | | USEPA Method 8021 | | USEPA Method 300.0 |
|---|---|---|---|---|---|---|---|
| | | **GRO (mg/kg)** | **DRO (mg/kg)** | **ORO (mg/kg)** | **Benzene (mg/kg)** | **Total BTEX (mg/kg)** | **Chlorides (mg/kg)** |
| *NMOCD Closure Criteria for Soils Impacted by a Release [Table 1 -19.15.29.12 (E)* | | *100 mg/Kg* | | | *10 mg/Kg* | *50 mg/Kg* | *600 mg/Kg* |
| Section 1 | 1/31/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | 57.7 |
| Section 2 | 1/31/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | 29.2 |
| Section 3 | 1/31/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | 187 |
| Section 4 | 1/31/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | 126 |
| Section 5 | 1/31/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | 125 |
| Section 6 | 1/31/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | 230 |
| Section 7 | 2/1/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | 77.5 |
| Section 8 | 2/1/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | 64.3 |
| Section 9 | 2/1/2019 | <20.0 | 37.8 | <50.0 | <0.025 | <0.100 | 169 |
| Section 10 | 2/1/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | 35.3 |
| Beneath Spoils Pile | 2/1/2019 | <20.0 | <25.0 | <50.0 | <0.025 | <0.100 | <20.0 |

*5-point composite soil samples

## APPENDIX A

Analytical Reports

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Analytical Laboratory

# Analytical Report

## Report Summary

Client: Three Rivers Trucking
Chain Of Custody Number:
Samples Received: 1/28/2019 8:36:00AM
Job Number: 04036-0007
Work Order: P901040
Project Name/Location: HWY 173 Spill

Report Reviewed By: Walter Hinchman Date: 1/31/19

Walter Hinchman, Laboratory Director

Date: 1/31/19

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

**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.**

envirotech
Analytical Laboratory

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/31/19 11:02 |

## Analyical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| Waste Characterization | P901040-01A | Soil | 01/26/19 | 01/28/19 | Glass Jar, 4 oz. |
| | P901040-01B | Soil | 01/26/19 | 01/28/19 | Glass Jar, 4 oz. |

envirotech
Analytical Laboratory

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/31/19 11:02 |

## Waste Characterization
### P901040-01 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Total Metals by 6010** | | | | | | | | | |
| Arsenic | **11.2** | 0.500 | mg/kg | 1 | 1905006 | 01/28/19 | 01/28/19 | EPA 6010C | |
| Barium | **58.7** | 6.25 | mg/kg | 1 | 1905006 | 01/28/19 | 01/28/19 | EPA 6010C | |
| Cadmium | ND | 0.250 | mg/kg | 1 | 1905006 | 01/28/19 | 01/28/19 | EPA 6010C | |
| Chromium | **5.42** | 0.500 | mg/kg | 1 | 1905006 | 01/28/19 | 01/28/19 | EPA 6010C | |
| Lead | **1.53** | 0.250 | mg/kg | 1 | 1905006 | 01/28/19 | 01/28/19 | EPA 6010C | |
| Selenium | ND | 1.25 | mg/kg | 1 | 1905006 | 01/28/19 | 01/28/19 | EPA 6010C | |
| Silver | ND | 0.250 | mg/kg | 1 | 1905006 | 01/28/19 | 01/28/19 | EPA 6010C | |
| **Total Mercury by 7471B** | | | | | | | | | |
| Mercury | ND | 20.0 | ug/kg | 1 | 1905011 | 01/29/19 | 01/29/19 | EPA 7471B | |

envirotech
Analytical Laboratory

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/31/19 11:02 |

## Total Metals by 6010 - Quality Control

## Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905006 - Metals Solid Hotblock Digestion EPA 3050B/200.2** | | | | | | | | | | |
| **Blank (1905006-BLK1)** | | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Arsenic | ND | 0.500 | mg/kg | | | | | | | |
| Barium | ND | 6.25 | " | | | | | | | |
| Cadmium | ND | 0.250 | " | | | | | | | |
| Chromium | ND | 0.500 | " | | | | | | | |
| Lead | ND | 0.250 | " | | | | | | | |
| Selenium | ND | 1.25 | " | | | | | | | |
| Silver | ND | 0.250 | " | | | | | | | |
| **LCS (1905006-BS1)** | | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Arsenic | 11.6 | 0.500 | mg/kg | 12.5 | | 93.0 | 80-120 | | | |
| Barium | 302 | 6.25 | " | 313 | | 96.6 | 80-120 | | | |
| Cadmium | 5.91 | 0.250 | " | 6.25 | | 94.6 | 80-120 | | | |
| Chromium | 23.4 | 0.500 | " | 25.0 | | 93.6 | 80-120 | | | |
| Lead | 6.03 | 0.250 | " | 6.25 | | 96.4 | 80-120 | | | |
| Selenium | 28.8 | 1.25 | " | 31.3 | | 92.1 | 80-120 | | | |
| Silver | 2.42 | 0.250 | " | 2.50 | | 96.8 | 80-120 | | | |
| **Matrix Spike (1905006-MS1)** | **Source: P901040-01** | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Arsenic | 22.7 | 0.500 | mg/kg | 12.5 | 11.2 | 92.0 | 75-125 | | | |
| Barium | 344 | 6.25 | " | 313 | 58.7 | 91.4 | 75-125 | | | |
| Cadmium | 5.82 | 0.250 | " | 6.25 | ND | 93.1 | 75-125 | | | |
| Chromium | 28.9 | 0.500 | " | 25.0 | 5.42 | 93.9 | 75-125 | | | |
| Lead | 7.86 | 0.250 | " | 6.25 | 1.53 | 101 | 75-125 | | | |
| Selenium | 27.1 | 1.25 | " | 31.3 | ND | 86.7 | 75-125 | | | |
| Silver | 2.49 | 0.250 | " | 2.50 | ND | 99.5 | 75-125 | | | |
| **Matrix Spike Dup (1905006-MSD1)** | **Source: P901040-01** | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Arsenic | 18.1 | 0.500 | mg/kg | 12.5 | 11.2 | 55.1 | 75-125 | 22.6 | 20 | D1, SPK1 |
| Barium | 326 | 6.25 | " | 313 | 58.7 | 85.4 | 75-125 | 5.60 | 20 | |
| Cadmium | 5.63 | 0.250 | " | 6.25 | ND | 90.1 | 75-125 | 3.23 | 20 | |
| Chromium | 26.5 | 0.500 | " | 25.0 | 5.42 | 84.3 | 75-125 | 8.66 | 20 | |
| Lead | 7.36 | 0.250 | " | 6.25 | 1.53 | 93.4 | 75-125 | 6.60 | 20 | |
| Selenium | 26.6 | 1.25 | " | 31.3 | ND | 85.0 | 75-125 | 2.05 | 20 | |
| Silver | 2.36 | 0.250 | " | 2.50 | ND | 94.2 | 75-125 | 5.47 | 20 | |

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/31/19 11:02 |

## Total Mercury by 7471B - Quality Control

## Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905011 - Mercury Solid Digestion KMNO4** | | | | | | | | | | |
| **Blank (1905011-BLK1)** | | | | Prepared: 01/29/19 0 Analyzed: 01/29/19 1 | | | | | | |
| Mercury | ND | 20.0 | ug/kg | | | | | | | |
| **LCS (1905011-BS1)** | | | | Prepared: 01/29/19 0 Analyzed: 01/29/19 1 | | | | | | |
| Mercury | 140 | 20.0 | ug/kg | 160 | | 87.3 | 80-120 | | | |
| **Matrix Spike (1905011-MS1)** | **Source: P901040-01** | | | Prepared: 01/29/19 0 Analyzed: 01/29/19 1 | | | | | | |
| Mercury | 138 | 20.0 | ug/kg | 160 | ND | 86.1 | 80-120 | | | |
| **Matrix Spike Dup (1905011-MSD1)** | **Source: P901040-01** | | | Prepared: 01/29/19 0 Analyzed: 01/29/19 1 | | | | | | |
| Mercury | 145 | 20.0 | ug/kg | 160 | ND | 90.6 | 80-120 | 5.10 | 20 | |

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Analytical Laboratory

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/31/19 11:02 |

## Notes and Definitions

| | |
|---|---|
| SPK1 | The spike recovery is outside of quality control limits. |
| D1 | Duplicates or Matrix Spike Duplicates or Laboratory Control Sample Duplicates Relative Percent Difference is outside of control limits. |
| 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. |

Project Information | Chain of Custody | Page 1 of 1

| | |
|---|---|
| Client: | Three Rivers Trucking |
| Project: | Hwy 173 Spill |
| Project Manager: | F. Aragon |
| Address: | |
| City, State, Zip | |
| Phone: | |
| Email: | Gcrabtree Admin Bhall Faragon |

**Report Attention**

| | |
|---|---|
| Report due by: | |
| Email: | |
| Address: | |
| City, State, Zip | |
| Phone: | |

| Lab Use Only | | TAT | | EPA Program | | |
|---|---|---|---|---|---|---|
| Lab WO# | Job Number | 1D | 3D | RCRA | CWA | SDWA |
| P901040 | 04036-0007 | | | | | |

| State | | | |
|---|---|---|---|
| NM | CO | UT | AZ |
| X | | | |

| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | Lab Number | Analysis and Method: Total Metals | Remarks |
|---|---|---|---|---|---|---|---|
| 1715 | 1/28/19 | S | 2 | Waste Characterization | 1 | + | 2-4oz jars |
| | | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

**Additional Instructions:** V.S. Ice in Coder

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: Bethany Hall

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| Bethany Hall | 1/28/19 | 836 | Jessica A. Wyatt | 1/28/19 | 8:36 |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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 laboraotry is limited to the amount paid for on the report.



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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fx (800) 362-1879
envirotech-inc.com laboratory@envirotech-inc.com

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Analytical Laboratory

# Analytical Report

## Report Summary

Client: Three Rivers Trucking
Chain Of Custody Number:
Samples Received: 1/28/2019 8:36:00AM
Job Number: 04036-0007
Work Order: P901038
Project Name/Location: HWY 173 Spill

Report Reviewed By: Walter Hinchman Date: 1/29/19

Walter Hinchman, Laboratory Director

Date: 1/29/19

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

**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.**

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/29/19 16:37 |

## Analyical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| Produced Water Spill | P901038-01A | Soil | 01/26/19 | 01/28/19 | Glass Jar, 4 oz. |
| | P901038-01B | Soil | 01/26/19 | 01/28/19 | Glass Jar, 4 oz. |

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/29/19 16:37 |

## Produced Water Spill
### P901038-01 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021** | | | | | | | | | |
| Benzene | **158** | 25.0 | ug/kg | 1 | 1905005 | 01/28/19 | 01/28/19 | EPA 8021B | |
| Toluene | **3180** | 25.0 | ug/kg | 1 | 1905005 | 01/28/19 | 01/28/19 | EPA 8021B | |
| Ethylbenzene | **784** | 25.0 | ug/kg | 1 | 1905005 | 01/28/19 | 01/28/19 | EPA 8021B | |
| p,m-Xylene | **6050** | 50.0 | ug/kg | 1 | 1905005 | 01/28/19 | 01/28/19 | EPA 8021B | |
| o-Xylene | **1610** | 25.0 | ug/kg | 1 | 1905005 | 01/28/19 | 01/28/19 | EPA 8021B | |
| Total Xylenes | **7660** | 25.0 | ug/kg | 1 | 1905005 | 01/28/19 | 01/28/19 | EPA 8021B | |
| Total BTEX | **11800** | 25.0 | ug/kg | 1 | 1905005 | 01/28/19 | 01/28/19 | EPA 8021B | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *97.6 %* | *50-150* | | *1905005* | *01/28/19* | *01/28/19* | *EPA 8021B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | **127** | 20.0 | mg/kg | 1 | 1905005 | 01/28/19 | 01/28/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | **1290** | 25.0 | mg/kg | 1 | 1905004 | 01/28/19 | 01/28/19 | EPA 8015D | |
| Oil Range Organics (C28-C40+) | **398** | 50.0 | mg/kg | 1 | 1905004 | 01/28/19 | 01/28/19 | EPA 8015D | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *117 %* | *50-150* | | *1905005* | *01/28/19* | *01/28/19* | *EPA 8015D* | |
| *Surrogate: n-Nonane* | | *131 %* | *50-200* | | *1905004* | *01/28/19* | *01/28/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | **570** | 20.0 | mg/kg | 1 | 1905002 | 01/28/19 | 01/28/19 | EPA 300.0/9056A | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/29/19 16:37 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905005 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1905005-BLK1)** | | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Benzene | ND | 25.0 | ug/kg | | | | | | | |
| Toluene | ND | 25.0 | " | | | | | | | |
| Ethylbenzene | ND | 25.0 | " | | | | | | | |
| p,m-Xylene | ND | 50.0 | " | | | | | | | |
| o-Xylene | ND | 25.0 | " | | | | | | | |
| Total Xylenes | ND | 25.0 | " | | | | | | | |
| Total BTEX | ND | 25.0 | " | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7870* | | " | *8000* | | *98.3* | *50-150* | | | |
| **LCS (1905005-BS1)** | | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Benzene | 4620 | 25.0 | ug/kg | 5000 | | 92.5 | 70-130 | | | |
| Toluene | 4680 | 25.0 | " | 5000 | | 93.7 | 70-130 | | | |
| Ethylbenzene | 4740 | 25.0 | " | 5000 | | 94.7 | 70-130 | | | |
| p,m-Xylene | 9730 | 50.0 | " | 10000 | | 97.3 | 70-130 | | | |
| o-Xylene | 4700 | 25.0 | " | 5000 | | 94.0 | 70-130 | | | |
| Total Xylenes | 14400 | 25.0 | " | 15000 | | 96.2 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7920* | | " | *8000* | | *99.0* | *50-150* | | | |
| **Matrix Spike (1905005-MS1)** | | **Source: P901038-01** | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Benzene | 4860 | 25.0 | ug/kg | 5000 | 158 | 94.0 | 54.3-133 | | | |
| Toluene | 8410 | 25.0 | " | 5000 | 3180 | 105 | 61.4-130 | | | |
| Ethylbenzene | 5540 | 25.0 | " | 5000 | 784 | 95.1 | 61.4-133 | | | |
| p,m-Xylene | 14800 | 50.0 | " | 10000 | 6050 | 87.2 | 63.3-131 | | | |
| o-Xylene | 6310 | 25.0 | " | 5000 | 1610 | 94.1 | 63.3-131 | | | |
| Total Xylenes | 21100 | 25.0 | " | 15000 | 7660 | 89.5 | 63.3-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7670* | | " | *8000* | | *95.9* | *50-150* | | | |
| **Matrix Spike Dup (1905005-MSD1)** | | **Source: P901038-01** | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Benzene | 4460 | 25.0 | ug/kg | 5000 | 158 | 86.0 | 54.3-133 | 8.64 | 20 | |
| Toluene | 8030 | 25.0 | " | 5000 | 3180 | 97.2 | 61.4-130 | 4.60 | 20 | |
| Ethylbenzene | 5110 | 25.0 | " | 5000 | 784 | 86.6 | 61.4-133 | 8.01 | 20 | |
| p,m-Xylene | 14000 | 50.0 | " | 10000 | 6050 | 79.7 | 63.3-131 | 5.19 | 20 | |
| o-Xylene | 5930 | 25.0 | " | 5000 | 1610 | 86.4 | 63.3-131 | 6.28 | 20 | |
| Total Xylenes | 19900 | 25.0 | " | 15000 | 7660 | 81.9 | 63.3-131 | 5.52 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7770* | | " | *8000* | | *97.2* | *50-150* | | | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/29/19 16:37 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905004 - DRO Extraction EPA 3570** | | | | | | | | | | |
| **Blank (1905004-BLK1)** | | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40+) | ND | 50.0 | " | | | | | | | |
| *Surrogate: n-Nonane* | *49.0* | | " | *50.0* | | *98.0* | *50-200* | | | |
| **LCS (1905004-BS1)** | | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | 441 | 25.0 | mg/kg | 500 | | 88.2 | 38-132 | | | |
| *Surrogate: n-Nonane* | *48.2* | | " | *50.0* | | *96.4* | *50-200* | | | |
| **Matrix Spike (1905004-MS1)** | **Source: P901039-01** | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | 470 | 25.0 | mg/kg | 500 | ND | 94.1 | 38-132 | | | |
| *Surrogate: n-Nonane* | *46.0* | | " | *50.0* | | *92.0* | *50-200* | | | |
| **Matrix Spike Dup (1905004-MSD1)** | **Source: P901039-01** | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | 483 | 25.0 | mg/kg | 500 | ND | 96.6 | 38-132 | 2.65 | 20 | |
| *Surrogate: n-Nonane* | *51.1* | | " | *50.0* | | *102* | *50-200* | | | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/29/19 16:37 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905005 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1905005-BLK1)** | | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *8.39* | | " | *8.00* | | *105* | *50-150* | | | |
| **LCS (1905005-BS2)** | | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Gasoline Range Organics (C6-C10) | 48.7 | 20.0 | mg/kg | 50.0 | | 97.4 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *8.56* | | " | *8.00* | | *107* | *50-150* | | | |
| **Matrix Spike (1905005-MS2)** | **Source: P901038-01** | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Gasoline Range Organics (C6-C10) | 164 | 20.0 | mg/kg | 50.0 | 127 | 73.3 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *9.19* | | " | *8.00* | | *115* | *50-150* | | | |
| **Matrix Spike Dup (1905005-MSD2)** | **Source: P901038-01** | | | Prepared & Analyzed: 01/28/19 1 | | | | | | |
| Gasoline Range Organics (C6-C10) | 154 | 20.0 | mg/kg | 50.0 | 127 | 52.7 | 70-130 | 6.46 | 20 | SPK1 |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *9.00* | | " | *8.00* | | *113* | *50-150* | | | |

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/29/19 16:37 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905002 - Anion Extraction EPA 300.0/9056A** | | | | | | | | | | |
| **Blank (1905002-BLK1)** | | | | Prepared: 01/28/19 0 Analyzed: 01/28/19 1 | | | | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| **LCS (1905002-BS1)** | | | | Prepared: 01/28/19 0 Analyzed: 01/28/19 1 | | | | | | |
| Chloride | 242 | 20.0 | mg/kg | 250 | | 96.8 | 90-110 | | | |
| **Matrix Spike (1905002-MS1)** | **Source: P901038-01** | | | Prepared: 01/28/19 0 Analyzed: 01/28/19 1 | | | | | | |
| Chloride | 732 | 20.0 | mg/kg | 250 | 570 | 65.0 | 80-120 | | | SPK1 |
| **Matrix Spike Dup (1905002-MSD1)** | **Source: P901038-01** | | | Prepared: 01/28/19 0 Analyzed: 01/28/19 1 | | | | | | |
| Chloride | 775 | 20.0 | mg/kg | 250 | 570 | 82.4 | 80-120 | 5.77 | 20 | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 01/29/19 16:37 |

## Notes and Definitions

| | |
|---|---|
| SPK1 | The spike recovery is outside of quality control limits. |
| 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. |

Project Information | Chain of Custody | Page 1 of 1

| | | | |
|---|---|---|---|
| Client: Three Rivers Trucking | Report Attention | Lab Use Only | TAT / EPA Program |
| Project: HWU 173 Spill | Report due by: | Lab WO# P901038 | Job Number 04036-0007 |
| Project Manager: F.Aragon | Email: | 1D: X | 3D: |
| Address: | Address: | RCRA: | CWA: |
| City, State, Zip | City, State, Zip | SDWA: | |
| Phone: | Phone: | | |
| Email: Gcrabtree Admin Bhall Faragon | | | |

Analysis and Method: DRO/GRO/BTEX | 8021 | Cl

State: NM X | CO | UT | AZ

| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | Lab Number | Remarks |
|---|---|---|---|---|---|---|
| 1750 | 11/26/19 | S | 2 | Produced water spill | | 2-40z jars |

**Additional Instructions:** VIS Ice in cooler

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: Dalton Hall

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| Dalton Hall | 11/28/19 | 830 | Jessica G. McCall | 11/28/19 | 8:36 |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
| | | | | | |

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

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.



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envirotech-inc.com | laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

# Analytical Report

**Report Summary**

Client: Three Rivers Trucking
Chain Of Custody Number:
Samples Received: 1/31/2019 4:20:00PM
Job Number: 04036-0007
Work Order: P901045
Project Name/Location: HWY 173 Spill

Report Reviewed By: Walter Hinchman Date: 2/4/19

Walter Hinchman, Laboratory Director

Date: 2/4/19

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## Analyical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| Section 1 | P901045-01A | Soil | 01/31/19 | 01/31/19 | Glass Jar, 4 oz. |
| Section 2 | P901045-02A | Soil | 01/31/19 | 01/31/19 | Glass Jar, 4 oz. |
| Section 3 | P901045-03A | Soil | 01/31/19 | 01/31/19 | Glass Jar, 4 oz. |
| Section 4 | P901045-04A | Soil | 01/31/19 | 01/31/19 | Glass Jar, 4 oz. |
| Section 5 | P901045-05A | Soil | 01/31/19 | 01/31/19 | Glass Jar, 4 oz. |
| Section 6 | P901045-06A | Soil | 01/31/19 | 01/31/19 | Glass Jar, 4 oz. |

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|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## Section 1
### P901045-01 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by 8260** | | | | | | | | | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *98.7 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8260B* | |
| *Surrogate: Toluene-d8* | | *98.4 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8260B* | |
| *Surrogate: Bromofluorobenzene* | | *97.3 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8260B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| *Surrogate: n-Nonane* | | *102 %* | | *50-200* | *1905025* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *98.7 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8015D* | |
| *Surrogate: Toluene-d8* | | *98.4 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8015D* | |
| *Surrogate: Bromofluorobenzene* | | *97.3 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | **57.7** | 20.0 | mg/kg | 1 | 1905024 | 01/31/19 | 02/01/19 | EPA 300.0/9056A | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## Section 2
### P901045-02 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by 8260** | | | | | | | | | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8260B | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *94.4 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8260B* | |
| *Surrogate: Toluene-d8* | | *98.5 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8260B* | |
| *Surrogate: Bromofluorobenzene* | | *96.1 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8260B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1905021 | 01/31/19 | 01/31/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| *Surrogate: n-Nonane* | | *99.4 %* | | *50-200* | *1905025* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *94.4 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8015D* | |
| *Surrogate: Toluene-d8* | | *98.5 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8015D* | |
| *Surrogate: Bromofluorobenzene* | | *96.1 %* | | *70-130* | *1905021* | *01/31/19* | *01/31/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | **29.2** | 20.0 | mg/kg | 1 | 1905024 | 01/31/19 | 02/01/19 | EPA 300.0/9056A | |

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|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## Section 3
### P901045-03 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by 8260** | | | | | | | | | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *99.0 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| *Surrogate: Toluene-d8* | | *98.0 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| *Surrogate: Bromofluorobenzene* | | *95.4 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| *Surrogate: n-Nonane* | | *102 %* | | *50-200* | *1905025* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *99.0 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: Toluene-d8* | | *98.0 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: Bromofluorobenzene* | | *95.4 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | **187** | 20.0 | mg/kg | 1 | 1905024 | 01/31/19 | 02/01/19 | EPA 300.0/9056A | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## Section 4
### P901045-04 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by 8260** | | | | | | | | | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *101 %* | *70-130* | | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| *Surrogate: Toluene-d8* | | *99.9 %* | *70-130* | | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| *Surrogate: Bromofluorobenzene* | | *96.8 %* | *70-130* | | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| *Surrogate: n-Nonane* | | *97.9 %* | *50-200* | | *1905025* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *101 %* | *70-130* | | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: Toluene-d8* | | *99.9 %* | *70-130* | | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: Bromofluorobenzene* | | *96.8 %* | *70-130* | | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | **126** | 20.0 | mg/kg | 1 | 1905024 | 01/31/19 | 02/01/19 | EPA 300.0/9056A | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## Section 5
### P901045-05 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by 8260** | | | | | | | | | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *98.8 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| *Surrogate: Toluene-d8* | | *100 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| *Surrogate: Bromofluorobenzene* | | *96.0 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| *Surrogate: n-Nonane* | | *98.9 %* | | *50-200* | *1905025* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *98.8 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: Toluene-d8* | | *100 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: Bromofluorobenzene* | | *96.0 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | 125 | 20.0 | mg/kg | 1 | 1905024 | 01/31/19 | 02/01/19 | EPA 300.0/9056A | |

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|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## Section 6
## P901045-06 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by 8260** | | | | | | | | | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8260B | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *102 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| *Surrogate: Toluene-d8* | | *99.5 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| *Surrogate: Bromofluorobenzene* | | *95.4 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8260B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1905021 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1905025 | 01/31/19 | 02/01/19 | EPA 8015D | |
| *Surrogate: n-Nonane* | | *109 %* | | *50-200* | *1905025* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *102 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: Toluene-d8* | | *99.5 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| *Surrogate: Bromofluorobenzene* | | *95.4 %* | | *70-130* | *1905021* | *01/31/19* | *02/01/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | **230** | 20.0 | mg/kg | 1 | 1905024 | 01/31/19 | 02/01/19 | EPA 300.0/9056A | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## Volatile Organic Compounds by 8260 - Quality Control

## Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905021 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1905021-BLK1)** | | | | Prepared & Analyzed: 01/31/19 1 | | | | | | |
| Benzene | ND | 25.0 | ug/kg | | | | | | | |
| Toluene | ND | 25.0 | " | | | | | | | |
| Ethylbenzene | ND | 25.0 | " | | | | | | | |
| p,m-Xylene | ND | 50.0 | " | | | | | | | |
| o-Xylene | ND | 25.0 | " | | | | | | | |
| Total Xylenes | ND | 25.0 | " | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *487* | | " | *500* | | *97.3* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *490* | | " | *500* | | *98.0* | *70-130* | | | |
| *Surrogate: Bromofluorobenzene* | *469* | | " | *500* | | *93.7* | *70-130* | | | |
| **LCS (1905021-BS1)** | | | | Prepared: 01/31/19 1 Analyzed: 01/31/19 2 | | | | | | |
| Benzene | 2530 | 25.0 | ug/kg | 2500 | | 101 | 70-130 | | | |
| Toluene | 2440 | 25.0 | " | 2500 | | 97.5 | 70-130 | | | |
| Ethylbenzene | 2440 | 25.0 | " | 2500 | | 97.7 | 70-130 | | | |
| p,m-Xylene | 4820 | 50.0 | " | 5000 | | 96.4 | 70-130 | | | |
| o-Xylene | 2400 | 25.0 | " | 2500 | | 95.9 | 70-130 | | | |
| Total Xylenes | 7220 | 25.0 | " | 7500 | | 96.2 | 70-130 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *510* | | " | *500* | | *102* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *505* | | " | *500* | | *101* | *70-130* | | | |
| *Surrogate: Bromofluorobenzene* | *485* | | " | *500* | | *96.9* | *70-130* | | | |
| **Matrix Spike (1905021-MS1)** | **Source: P901044-01** | | | Prepared: 01/31/19 1 Analyzed: 01/31/19 2 | | | | | | |
| Benzene | 56700 | 500 | ug/kg | 50000 | ND | 113 | 48-131 | | | |
| Toluene | 54900 | 500 | " | 50000 | 780 | 108 | 48-130 | | | |
| Ethylbenzene | 53800 | 500 | " | 50000 | ND | 108 | 45-135 | | | |
| p,m-Xylene | 107000 | 1000 | " | 100000 | ND | 107 | 43-135 | | | |
| o-Xylene | 53100 | 500 | " | 50000 | ND | 106 | 43-135 | | | |
| Total Xylenes | 160000 | 500 | " | 150000 | ND | 107 | 43-135 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *9940* | | " | *10000* | | *99.4* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *9980* | | " | *10000* | | *99.8* | *70-130* | | | |
| *Surrogate: Bromofluorobenzene* | *9780* | | " | *10000* | | *97.8* | *70-130* | | | |
| **Matrix Spike Dup (1905021-MSD1)** | **Source: P901044-01** | | | Prepared: 01/31/19 1 Analyzed: 01/31/19 2 | | | | | | |
| Benzene | 57600 | 500 | ug/kg | 50000 | ND | 115 | 48-131 | 1.52 | 23 | |
| Toluene | 57000 | 500 | " | 50000 | 780 | 113 | 48-130 | 3.84 | 24 | |
| Ethylbenzene | 56200 | 500 | " | 50000 | ND | 112 | 45-135 | 4.36 | 27 | |
| p,m-Xylene | 112000 | 1000 | " | 100000 | ND | 112 | 43-135 | 4.54 | 27 | |
| o-Xylene | 55200 | 500 | " | 50000 | ND | 110 | 43-135 | 3.95 | 27 | |
| Total Xylenes | 167000 | 500 | " | 150000 | ND | 111 | 43-135 | 4.35 | 27 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *9700* | | " | *10000* | | *97.0* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *10100* | | " | *10000* | | *101* | *70-130* | | | |

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## Volatile Organic Compounds by 8260 - Quality Control

## Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905021 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Matrix Spike Dup (1905021-MSD1)** | **Source: P901044-01** | | | Prepared: 01/31/19 1 Analyzed: 01/31/19 2 | | | | | | |
| *Surrogate: Bromofluorobenzene* | *9610* | | *ug/kg* | *10000* | | *96.1* | *70-130* | | | |



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envirotech-inc.com
laboratory@envirotech-inc.com

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905021 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1905021-BLK1)** | | | | Prepared & Analyzed: 01/31/19 1 | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.487* | | " | *0.500* | | *97.3* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.490* | | " | *0.500* | | *98.0* | *70-130* | | | |
| *Surrogate: Bromofluorobenzene* | *0.469* | | " | *0.500* | | *93.7* | *70-130* | | | |
| **LCS (1905021-BS2)** | | | | Prepared: 01/31/19 1 Analyzed: 01/31/19 2 | | | | | | |
| Gasoline Range Organics (C6-C10) | 51.9 | 20.0 | mg/kg | 50.0 | | 104 | 70-130 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.497* | | " | *0.500* | | *99.3* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.497* | | " | *0.500* | | *99.3* | *70-130* | | | |
| *Surrogate: Bromofluorobenzene* | *0.480* | | " | *0.500* | | *96.0* | *70-130* | | | |
| **Matrix Spike (1905021-MS2)** | **Source: P901044-01** | | | Prepared: 01/31/19 1 Analyzed: 01/31/19 2 | | | | | | |
| Gasoline Range Organics (C6-C10) | 1200 | 400 | mg/kg | 1000 | ND | 120 | 70-130 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *9.87* | | " | *10.0* | | *98.7* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *10.0* | | " | *10.0* | | *100* | *70-130* | | | |
| *Surrogate: Bromofluorobenzene* | *9.42* | | " | *10.0* | | *94.2* | *70-130* | | | |
| **Matrix Spike Dup (1905021-MSD2)** | **Source: P901044-01** | | | Prepared: 01/31/19 1 Analyzed: 01/31/19 2 | | | | | | |
| Gasoline Range Organics (C6-C10) | 1150 | 400 | mg/kg | 1000 | ND | 115 | 70-130 | 3.88 | 20 | |
| *Surrogate: 1,2-Dichloroethane-d4* | *9.66* | | " | *10.0* | | *96.6* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *10.1* | | " | *10.0* | | *101* | *70-130* | | | |
| *Surrogate: Bromofluorobenzene* | *9.56* | | " | *10.0* | | *95.6* | *70-130* | | | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905025 - DRO Extraction EPA 3570** | | | | | | | | | | |
| **Blank (1905025-BLK1)** | | | | Prepared: 01/31/19 1 Analyzed: 02/01/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| *Surrogate: n-Nonane* | *53.3* | | " | *50.0* | | *107* | *50-200* | | | |
| **LCS (1905025-BS1)** | | | | Prepared: 01/31/19 1 Analyzed: 02/01/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | 457 | 25.0 | mg/kg | 500 | | 91.4 | 38-132 | | | |
| *Surrogate: n-Nonane* | *51.7* | | " | *50.0* | | *103* | *50-200* | | | |
| **Matrix Spike (1905025-MS1)** | **Source: P901045-01** | | | Prepared: 01/31/19 1 Analyzed: 02/01/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | 496 | 25.0 | mg/kg | 500 | ND | 99.3 | 38-132 | | | |
| *Surrogate: n-Nonane* | *53.7* | | " | *50.0* | | *107* | *50-200* | | | |
| **Matrix Spike Dup (1905025-MSD1)** | **Source: P901045-01** | | | Prepared: 01/31/19 1 Analyzed: 02/01/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | 486 | 25.0 | mg/kg | 500 | ND | 97.2 | 38-132 | 2.10 | 20 | |
| *Surrogate: n-Nonane* | *50.4* | | " | *50.0* | | *101* | *50-200* | | | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1905024 - Anion Extraction EPA 300.0/9056A** | | | | | | | | | | |
| **Blank (1905024-BLK1)** | | | | Prepared: 01/31/19 1 Analyzed: 02/01/19 1 | | | | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| **LCS (1905024-BS1)** | | | | Prepared: 01/31/19 1 Analyzed: 02/01/19 1 | | | | | | |
| Chloride | 255 | 20.0 | mg/kg | 250 | | 102 | 90-110 | | | |
| **Matrix Spike (1905024-MS1)** | | **Source: P901045-01** | | Prepared: 01/31/19 1 Analyzed: 02/01/19 1 | | | | | | |
| Chloride | 334 | 20.0 | mg/kg | 250 | 57.7 | 110 | 80-120 | | | |
| **Matrix Spike Dup (1905024-MSD1)** | | **Source: P901045-01** | | Prepared: 01/31/19 1 Analyzed: 02/01/19 1 | | | | | | |
| Chloride | 326 | 20.0 | mg/kg | 250 | 57.7 | 107 | 80-120 | 2.47 | 20 | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/04/19 16:49 |

## 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. |

Project Information | Chain of Custody | Page 1 of 1

| Client: Three Rivers Trucking | Report Attention | Lab Use Only | TAT | EPA Program |
|---|---|---|---|---|
| Project: Hwy 173 Spill | Report due by: | Lab WO# P901045 | Job Number 04036-0007 | 1D X / 3D | RCRA | CWA | SDWA |
| Project Manager: F.Aragon | Email: | | | |
| Address: | Address: | | | |
| City, State, Zip | City, State, Zip | | | |
| Phone: | Phone: | | | |
| Email: Gcrabtree Admin Bhall Faragon | | | | |

| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | Lab Number | DRO/GRO/ORO | 8021 | Chlorides | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| 14:02 | 1/31/2019 | S | 1 | Section 1 | 1 | X | X | X | 1-4oz jar cool |
| 14:10 | 1/31/2019 | S | 1 | Section 2 | 2 | X | X | X | 1-4oz jar cool |
| 14:19 | 1/31/2019 | S | 1 | Section 3 | 3 | X | X | X | 1-4oz jar cool |
| 14:25 | 1/31/2019 | S | 1 | Section 4 | 4 | X | X | X | 1-4oz jar cool |
| 14:36 | 1/31/2019 | S | 1 | Section 5 | 5 | X | X | X | 1-4oz jar cool |
| 14:45 | 1/31/2019 | S | 1 | Section 6 | 6 | X | X | X | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

State: NM X | CO | UT | AZ

**Additional Instructions:** V.G ice in cooler

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: Bailey Flau

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| Bailey Flau | 1/31/19 | 1445 | | 1/31/19 | 1440 |
| Relinquished by: (Signature) | Date | Time 1420 TC 1/31/19 | Received by: (Signature) | Date | Time |

Lab Use Only — Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 25.0

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

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

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 laboraotry is limited to the amount paid for on the report.

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# Analytical Report

## Report Summary

Client: Three Rivers Trucking
Chain Of Custody Number:
Samples Received: 2/1/2019 4:52:00PM
Job Number: 04036-0007
Work Order: P902003
Project Name/Location: HWY 173 Spill Cleanup

Report Reviewed By: Walter Hinchman Date: 2/5/19

Walter Hinchman, Laboratory Director

Date: 2/5/19

Tim Cain, Project Manager

NELAP ACCREDITED TNI LABORATORY

**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.**
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**Envirotech, Inc, currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.**

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## Analyical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| Section 7 | P902003-01A | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |
| | P902003-01B | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |
| Section 8 | P902003-02A | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |
| | P902003-02B | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |
| Section 9 | P902003-03A | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |
| | P902003-03B | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |
| Section 10 | P902003-04A | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |
| | P902003-04B | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |
| Beneath Spoils Pile | P902003-05A | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |
| | P902003-05B | Soil | 02/01/19 | 02/01/19 | Glass Jar, 4 oz. |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## Section 7
### P902003-01 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021** | | | | | | | | | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *102 %* | *50-150* | | *1906002* | *02/04/19* | *02/05/19* | *EPA 8021B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *93.9 %* | *50-150* | | *1906002* | *02/04/19* | *02/05/19* | *EPA 8015D* | |
| *Surrogate: n-Nonane* | | *86.0 %* | *50-200* | | *1906004* | *02/04/19* | *02/04/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | 77.5 | 20.0 | mg/kg | 1 | 1906007 | 02/04/19 | 02/04/19 | EPA 300.0/9056A | |

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## Section 8
### P902003-02 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021** | | | | | | | | | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *102 %* | | *50-150* | *1906002* | *02/04/19* | *02/05/19* | *EPA 8021B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.1 %* | | *50-150* | *1906002* | *02/04/19* | *02/05/19* | *EPA 8015D* | |
| *Surrogate: n-Nonane* | | *90.9 %* | | *50-200* | *1906004* | *02/04/19* | *02/04/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | **64.3** | 20.0 | mg/kg | 1 | 1906007 | 02/04/19 | 02/04/19 | EPA 300.0/9056A | |

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## Section 9
### P902003-03 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021** | | | | | | | | | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *101 %* | | *50-150* | *1906002* | *02/04/19* | *02/05/19* | *EPA 8021B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | **37.8** | 25.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *95.8 %* | | *50-150* | *1906002* | *02/04/19* | *02/05/19* | *EPA 8015D* | |
| *Surrogate: n-Nonane* | | *91.3 %* | | *50-200* | *1906004* | *02/04/19* | *02/04/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | **169** | 20.0 | mg/kg | 1 | 1906007 | 02/04/19 | 02/04/19 | EPA 300.0/9056A | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## Section 10
### P902003-04 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021** | | | | | | | | | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *102 %* | | *50-150* | *1906002* | *02/04/19* | *02/05/19* | *EPA 8021B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *93.4 %* | | *50-150* | *1906002* | *02/04/19* | *02/05/19* | *EPA 8015D* | |
| *Surrogate: n-Nonane* | | *90.2 %* | | *50-200* | *1906004* | *02/04/19* | *02/04/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | **35.3** | 20.0 | mg/kg | 1 | 1906007 | 02/04/19 | 02/04/19 | EPA 300.0/9056A | |

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## Beneath Spoils Pile
### P902003-05 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021** | | | | | | | | | |
| Total Xylenes | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Benzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Toluene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| Ethylbenzene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| o-Xylene | ND | 25.0 | ug/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8021B | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *102 %* | | *50-150* | *1906002* | *02/04/19* | *02/05/19* | *EPA 8021B* | |
| **Nonhalogenated Organics by 8015** | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1906002 | 02/04/19 | 02/05/19 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | ND | 50.0 | mg/kg | 1 | 1906004 | 02/04/19 | 02/04/19 | EPA 8015D | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *94.2 %* | | *50-150* | *1906002* | *02/04/19* | *02/05/19* | *EPA 8015D* | |
| *Surrogate: n-Nonane* | | *92.5 %* | | *50-200* | *1906004* | *02/04/19* | *02/04/19* | *EPA 8015D* | |
| **Anions by 300.0/9056A** | | | | | | | | | |
| Chloride | ND | 20.0 | mg/kg | 1 | 1906007 | 02/04/19 | 02/05/19 | EPA 300.0/9056A | |

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| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1906002 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1906002-BLK1)** | | | | Prepared: 02/04/19 0 Analyzed: 02/04/19 1 | | | | | | |
| Total Xylenes | ND | 25.0 | ug/kg | | | | | | | |
| Benzene | ND | 25.0 | " | | | | | | | |
| Toluene | ND | 25.0 | " | | | | | | | |
| Ethylbenzene | ND | 25.0 | " | | | | | | | |
| p,m-Xylene | ND | 50.0 | " | | | | | | | |
| o-Xylene | ND | 25.0 | " | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8140* | | " | *8000* | | *102* | *50-150* | | | |
| **LCS (1906002-BS1)** | | | | Prepared: 02/04/19 0 Analyzed: 02/04/19 1 | | | | | | |
| Total Xylenes | 16300 | 25.0 | ug/kg | 15000 | | 109 | 70-130 | | | |
| Benzene | 4990 | 25.0 | " | 5000 | | 99.8 | 70-130 | | | |
| Toluene | 5060 | 25.0 | " | 5000 | | 101 | 70-130 | | | |
| Ethylbenzene | 5390 | 25.0 | " | 5000 | | 108 | 70-130 | | | |
| p,m-Xylene | 11200 | 50.0 | " | 10000 | | 112 | 70-130 | | | |
| o-Xylene | 5150 | 25.0 | " | 5000 | | 103 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8090* | | " | *8000* | | *101* | *50-150* | | | |
| **Matrix Spike (1906002-MS1)** | **Source: P902001-01** | | | Prepared: 02/04/19 0 Analyzed: 02/04/19 2 | | | | | | |
| Total Xylenes | 16100 | 25.0 | ug/kg | 15000 | ND | 107 | 63.3-131 | | | |
| Benzene | 4850 | 25.0 | " | 5000 | ND | 97.1 | 54.3-133 | | | |
| Toluene | 4990 | 25.0 | " | 5000 | ND | 99.8 | 61.4-130 | | | |
| Ethylbenzene | 5310 | 25.0 | " | 5000 | ND | 106 | 61.4-133 | | | |
| p,m-Xylene | 11000 | 50.0 | " | 10000 | ND | 110 | 63.3-131 | | | |
| o-Xylene | 5050 | 25.0 | " | 5000 | ND | 101 | 63.3-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8150* | | " | *8000* | | *102* | *50-150* | | | |
| **Matrix Spike Dup (1906002-MSD1)** | **Source: P902001-01** | | | Prepared: 02/04/19 0 Analyzed: 02/04/19 2 | | | | | | |
| Total Xylenes | 16600 | 25.0 | ug/kg | 15000 | ND | 110 | 63.3-131 | 3.00 | 20 | |
| Benzene | 5040 | 25.0 | " | 5000 | ND | 101 | 54.3-133 | 3.80 | 20 | |
| Toluene | 5120 | 25.0 | " | 5000 | ND | 102 | 61.4-130 | 2.54 | 20 | |
| Ethylbenzene | 5460 | 25.0 | " | 5000 | ND | 109 | 61.4-133 | 2.79 | 20 | |
| p,m-Xylene | 11300 | 50.0 | " | 10000 | ND | 113 | 63.3-131 | 2.84 | 20 | |
| o-Xylene | 5220 | 25.0 | " | 5000 | ND | 104 | 63.3-131 | 3.34 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8160* | | " | *8000* | | *102* | *50-150* | | | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1906002 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1906002-BLK1)** | | | | Prepared: 02/04/19 0 Analyzed: 02/04/19 1 | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.53* | | " | *8.00* | | *94.1* | *50-150* | | | |
| **LCS (1906002-BS2)** | | | | Prepared: 02/04/19 0 Analyzed: 02/04/19 1 | | | | | | |
| Gasoline Range Organics (C6-C10) | 56.9 | 20.0 | mg/kg | 50.0 | | 114 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.78* | | " | *8.00* | | *97.2* | *50-150* | | | |
| **Matrix Spike (1906002-MS2)** | | **Source: P902001-01** | | Prepared: 02/04/19 0 Analyzed: 02/04/19 2 | | | | | | |
| Gasoline Range Organics (C6-C10) | 63.7 | 20.0 | mg/kg | 50.0 | ND | 127 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.72* | | " | *8.00* | | *96.5* | *50-150* | | | |
| **Matrix Spike Dup (1906002-MSD2)** | | **Source: P902001-01** | | Prepared: 02/04/19 0 Analyzed: 02/04/19 2 | | | | | | |
| Gasoline Range Organics (C6-C10) | 55.6 | 20.0 | mg/kg | 50.0 | ND | 111 | 70-130 | 13.6 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.72* | | " | *8.00* | | *96.5* | *50-150* | | | |

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1906004 - DRO Extraction EPA 3570** | | | | | | | | | | |
| **Blank (1906004-BLK1)** | | | | Prepared & Analyzed: 02/04/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| *Surrogate: n-Nonane* | *53.0* | | " | *50.0* | | *106* | *50-200* | | | |
| **LCS (1906004-BS1)** | | | | Prepared & Analyzed: 02/04/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | 422 | 25.0 | mg/kg | 500 | | 84.4 | 38-132 | | | |
| *Surrogate: n-Nonane* | *45.4* | | " | *50.0* | | *90.8* | *50-200* | | | |
| **Matrix Spike (1906004-MS1)** | | **Source: P902001-01** | | Prepared & Analyzed: 02/04/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | 444 | 25.0 | mg/kg | 500 | ND | 88.8 | 38-132 | | | |
| *Surrogate: n-Nonane* | *47.1* | | " | *50.0* | | *94.2* | *50-200* | | | |
| **Matrix Spike Dup (1906004-MSD1)** | | **Source: P902001-01** | | Prepared & Analyzed: 02/04/19 1 | | | | | | |
| Diesel Range Organics (C10-C28) | 444 | 25.0 | mg/kg | 500 | ND | 88.8 | 38-132 | 0.000357 | 20 | |
| *Surrogate: n-Nonane* | *45.0* | | " | *50.0* | | *90.0* | *50-200* | | | |

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Analytical Laboratory

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1906007 - Anion Extraction EPA 300.0/9056A** | | | | | | | | | | |
| **Blank (1906007-BLK1)** | | | | Prepared & Analyzed: 02/04/19 1 | | | | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| **LCS (1906007-BS1)** | | | | Prepared & Analyzed: 02/04/19 1 | | | | | | |
| Chloride | 254 | 20.0 | mg/kg | 250 | | 102 | 90-110 | | | |
| **Matrix Spike (1906007-MS1)** | **Source: P902001-01** | | | Prepared & Analyzed: 02/04/19 1 | | | | | | |
| Chloride | 416 | 20.0 | mg/kg | 250 | 144 | 109 | 80-120 | | | |
| **Matrix Spike Dup (1906007-MSD1)** | **Source: P902001-01** | | | Prepared & Analyzed: 02/04/19 1 | | | | | | |
| Chloride | 402 | 20.0 | mg/kg | 250 | 144 | 103 | 80-120 | 3.32 | 20 | |

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Analytical Laboratory

| | | | |
|---|---|---|---|
| Three Rivers Trucking | Project Name: | HWY 173 Spill Cleanup | |
| PO Box 2728 | Project Number: | 04036-0007 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Felipe Aragon | 02/05/19 15:09 |

## 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. |

Project Information | Chain of Custody | Page 1 of 1

| | |
|---|---|
| Client: Three Rivers Trucking | **Report Attention** |
| Project: HWY 173 Spill Cleanup | Report due by: |
| Project Manager: Felipe | |
| Address: | Address: |
| City, State, Zip | City, State, Zip |
| Phone: | Phone: |
| Email: | |

| Lab Use Only | | TAT | | EPA Program | | |
|---|---|---|---|---|---|---|
| Lab WO# | Job Number | 1D | 3D | RCRA | CWA | SDWA |
| P902003 | 04036-0007 | | X | x | | |

| State | | | |
|---|---|---|---|
| NM | CO | UT | AZ |
| x | | | |

| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | Lab Number | GRO/DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Total RCRA 8 Metals 6010 | Chlorides 300.0 | S-VOC 8270 | | | TDS | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14:11 | 2/1/2019 | s | 2 | Section 7 | 1 | X | | X | | | X | | | | | | |
| 14:15 | 2/1/2019 | s | 2 | Section 8 | 2 | X | | X | | | X | | | | | | |
| 14:18 | 2/1/2019 | s | 2 | Section 9 | 3 | X | | X | | | X | | | | | | |
| 14:35 | 2/1/2019 | s | 2 | Section 10 | 4 | X | | X | | | X | | | | | | |
| 15:15 | 2/1/2019 | s | 2 | Beneath Spoils Pile | 5 | X | | X | | | X | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

**Additional Instructions:** Vis Ice in Cooler

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: F. Hogan

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 2/1/19 | 16:52 | | 2-1-19 | 16:52 |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
| | | | | | |

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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.



envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 | Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 | Ph (970) 259-0615 | Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

## APPENDIX B

Notifications

envirotech

*Practical Solutions for a Better Tomorrow*

**From:** eticket@nm811.org
**To:** enviro admin
**Subject:** NM811 Ticket Confirmation: 19JA280291
**Date:** Monday, January 28, 2019 10:11:06 AM

# NM811 LOCATE REQUEST

| | | | |
|---|---|---|---|
| TICKET NUMBER: | 19JA280291 | Update of: | |
| Ticket Type: | Standard Locate | For Code: | AUTOEMAIL |
| Creation Date: | 01/28/19 10:10 | Seq Num: | 1 |

## Excavator Information

| | | | |
|---|---|---|---|
| Company: | Envirotech | Main Contact Phone: | (505) 632-0615 |
| Address: | 5796 Hwy 64 | Secondary Phone: | |
| City, St, Zip: | Farmington, NM 87401 | Main Contact Email: | enviroadmin@envirotech-inc.com |
| Company Phone: | (505) 632-0615 | Alternate Contact: | Brittany Hall |
| Company Fax: | | Alternate Contact Phone: | 505-632-0615 |
| Main Contact: | Lisa Sisson | Alternate Contact Email: | bhall@envirotech-inc.com |

## Work Information

| | | | |
|---|---|---|---|
| State: | NM | Work To Begin: | 01/30/19 AT 10:15 |
| County: | SAN JUAN | Expire Date: | 02/13/19 AT 10:15 |
| Place: | RURAL SAN JUAN | | |
| Address: | nm-173 | | |
| Intersection: | Old Spanish Trail | | |
| Latitude: | 36.822751 | Longitude: | -107.970948 |
| Secondary Lat: | 36.828224 | Secondary Long: | -107.965475 |
| Work Type: | Soil Remediation | Working For: | Three Rivers Trucking |
| Pre-marked: | No | Mechanical Boring: | No |
| Contact Prior to Locating: | No | Contact After Locating: | No |

## Driving Directions

From the intersection of U.S. Highway 550 and Highway 173 in Aztec, travel east/southeast on Highway 173 for approximately 1.03 miles to the intersection of Highway 173 and Old Spanish Trail. Spill is on the west side of intersection.

## Spotting Instructions

Please spot 250' radius of the spill, as spill has traveled west down to arroyo.

## Remarks

Trucking accident spill. Spill should be visable on ground. 36d49'31.78"N, -107d58'05.63" W

TRSQ: [W8T30NR11WS10NE] [W8T30NR11WS10SE] [W8T30NR11WS11NW] [W8T30NR11WS11SW]

## Utilities Notified:

| Code | Name | Manually Added |
|---|---|---|
| APC | BP AMERICA (NA), INC. | False |
| AZTC | CITY OF AZTEC | False |
| EP01 | ENTERPRISE FIELD SERVICES - CHACO COMPLEX | False |
| HILN | HILCORP ENERGY COMPANY - FARMINGTON NORTH | False |
| HMS1 | HARVEST MIDSTREAM | False |
| QLNA | CENTURYLINK LOCAL NETWORK NORTH | False |
| TCIF | COMCAST - FARMINGTON | False |

## APPENDIX C

Photograph Log

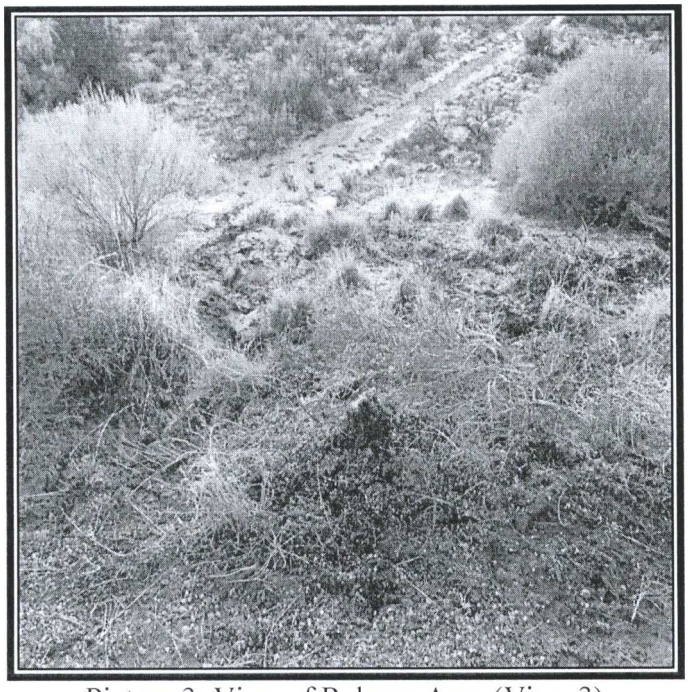
Site Photography
Three Rivers Trucking
Mile Marker 1, Highway 173
Spill Cleanup Report
Project No. 04036-0007
January 2019

**Initial Response - January 26, 2019**

Picture 1: View of Release Area (View 1)

Picture 2: View of Release Area (View 2)

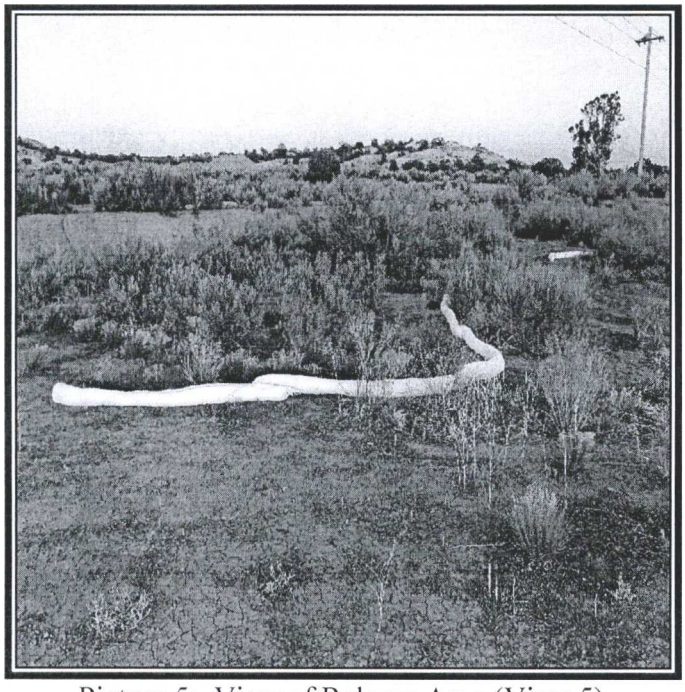
Site Photography
Three Rivers Trucking
Mile Marker 1, Highway 173
Spill Cleanup Report
Project No. 04036-0007
January 2019



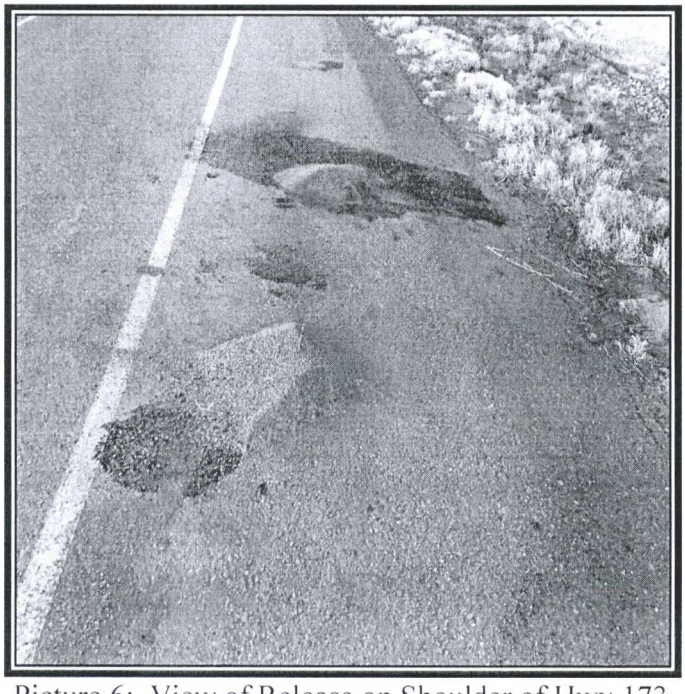
Picture 3: View of Release Area (View 3)

Picture 4: View of Release Area (View 4)

Site Photography
Three Rivers Trucking
Mile Marker 1, Highway 173
Spill Cleanup Report
Project No. 04036-0007
January 2019



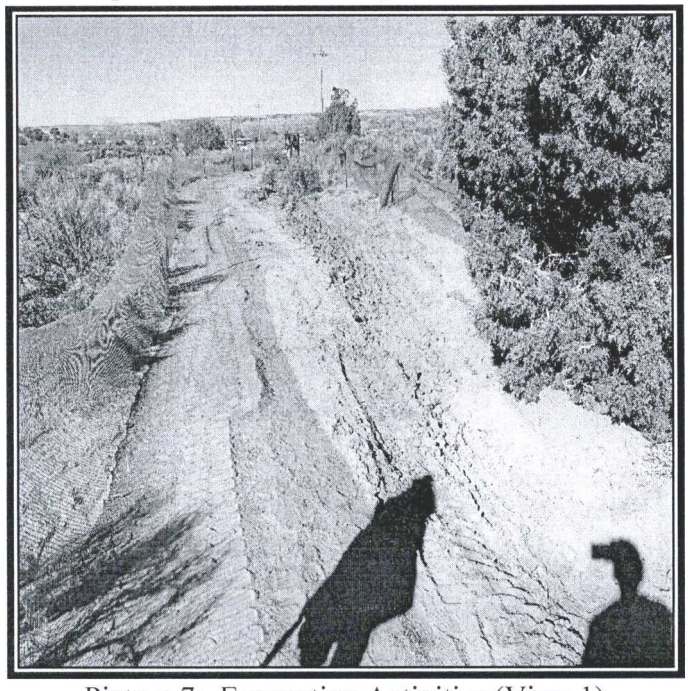
Picture 5: View of Release Area (View 5)



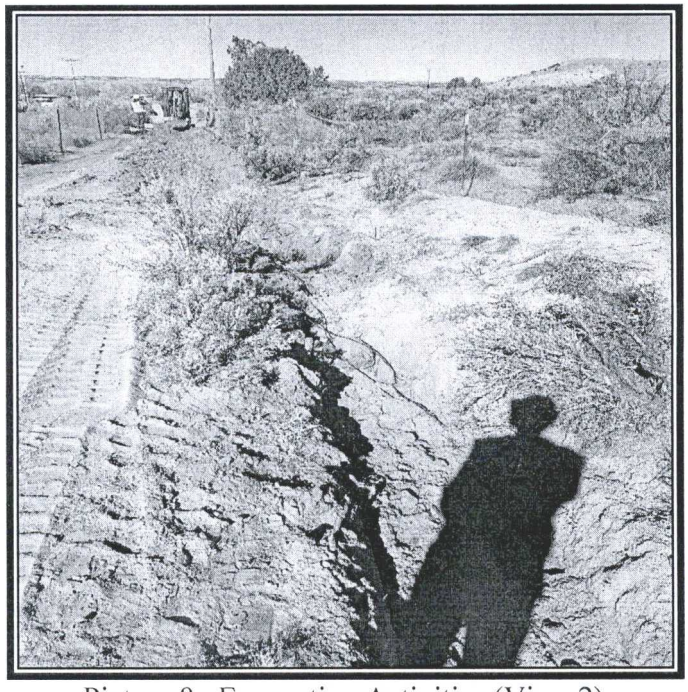
Picture 6: View of Release on Shoulder of Hwy 173

Site Photography
Three Rivers Trucking
Mile Marker 1, Highway 173
Spill Cleanup Report
Project No. 04036-0007
January 2019

**Cleanup Activities - January 30-February 1, 2019**

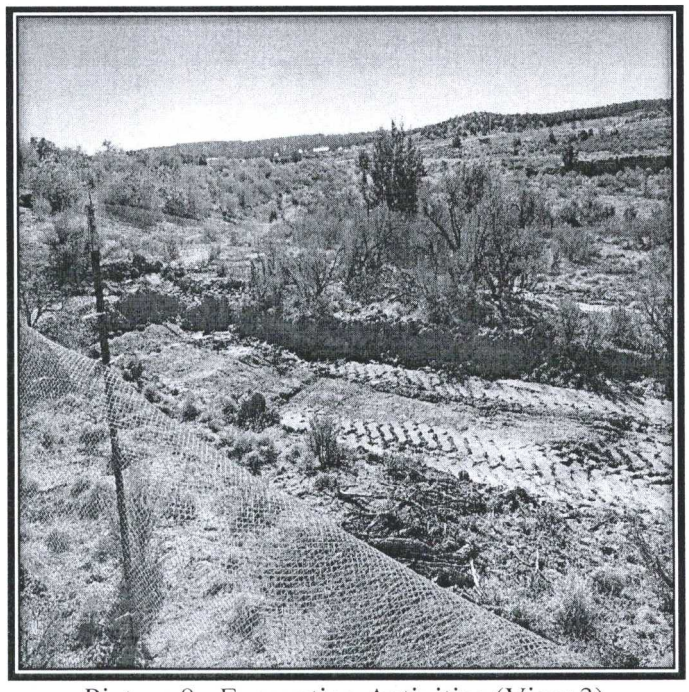


Picture 7: Excavation Activities (View 1)

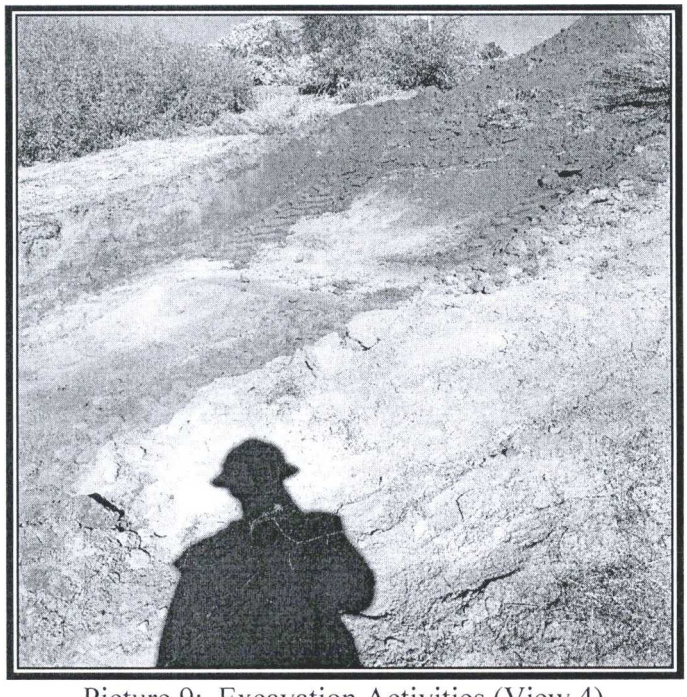


Picture 8: Excavation Activities (View 2)

Site Photography
Three Rivers Trucking
Mile Marker 1, Highway 173
Spill Cleanup Report
Project No. 04036-0007
January 2019



Picture 9: Excavation Activities (View 3)



Picture 9: Excavation Activities (View 4)

## APPENDIX D

Field Notes

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*Practical Solutions for a Better Tomorrow*

| | | | |
|---|---|---|---|
| CLIENT: Three Rivers | envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401 | Envmtl. Spclst: BHall | |
| CLIENT/JOB #: 04036-0007 | | C.O.C. No: | |
| START DATE: 1/31/19 | | LAT | |
| FINISH DATE: | | LONG | |
| Page # ____ of ____ | | | |

# Field Report: Spill Closure Verification

NMOCD Ranking: ____ Depth to GW: ____ WH Protection Area: No / Yes

NMOCD TPH Closure Std.: 100 Distance to SW: ~129 ft

LOCATION: Name: HWY 173 Well #: API:

County: San Juan State: NM

Cause of Release: trucking accident Material Released: Produced H2O/Motor oil/diesel Amt. Released: ~10 bbls/unknown

QUAD/UNIT: ____ SEC: ____ TWP: ____ RNG: ____ PM: ____

Wellhead Lat/Long: Land Jurisdiction: QTR Footage:

Spill Located Approximately: 0 FT. FROM Hwy 173

Excavation Approx: 780 FT. L X 6 FT. W X 1 FT. D Cubic Yardage: ____

Disposal Facility: Landfarm 2 Remediaton Method: Landfarm

Land Use: Lease: Land Owner:

## FIELD 418.1 ANLAYSIS

| SAMPLE DESCRIPITION | TIME | SAMPLE I.D. | WEIGHT (g) | mL FREON | DILUTION | READING | CALC. ppm |
|---|---|---|---|---|---|---|---|
| 200 std | 1345 | | | | | 217 | 217 |
| Sector near path | 1505 | 1 | | | | 24 | 104 |
| | | | | | | | |
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## OVM Results

| Sample ID | Field Headspace PID (ppm) | Sample ID | Field Headspace PID (ppm) |
|---|---|---|---|
| ~~Sector No 1~~ | 0.0 | | |
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## Lab Testing

| Sample ID | Analysis Type | Time |
|---|---|---|
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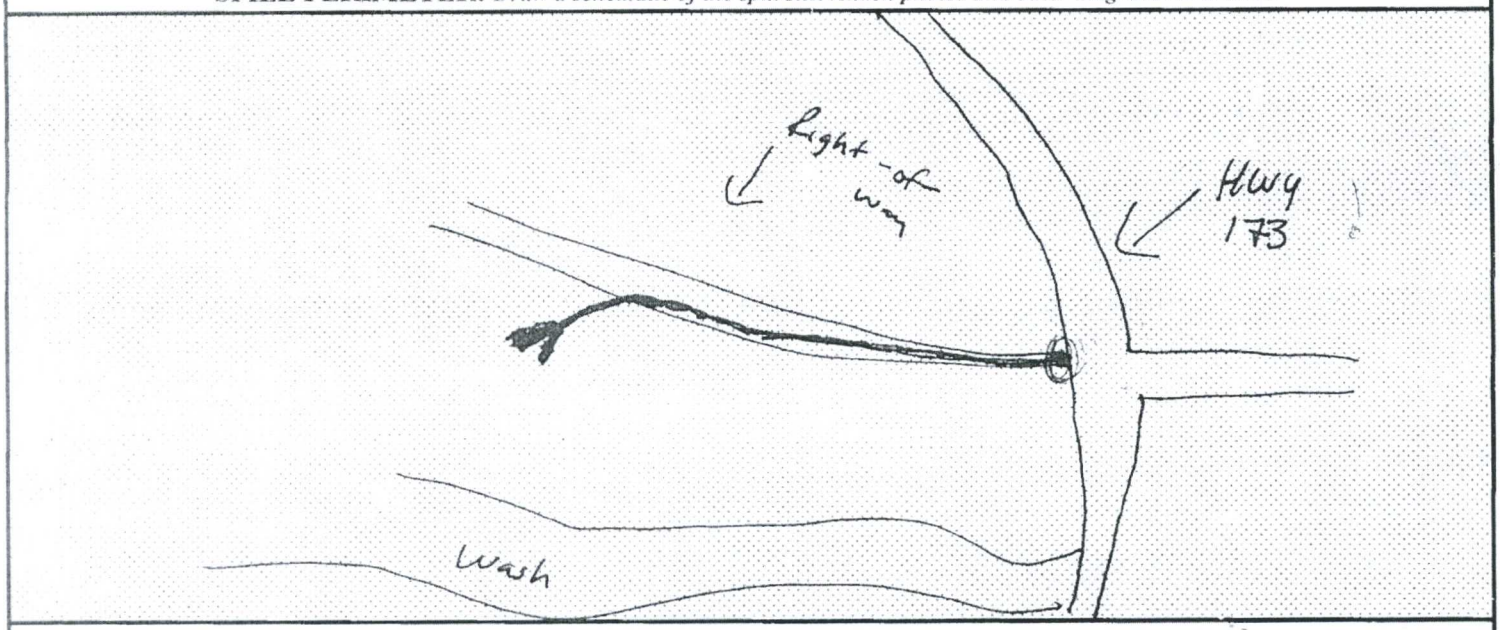
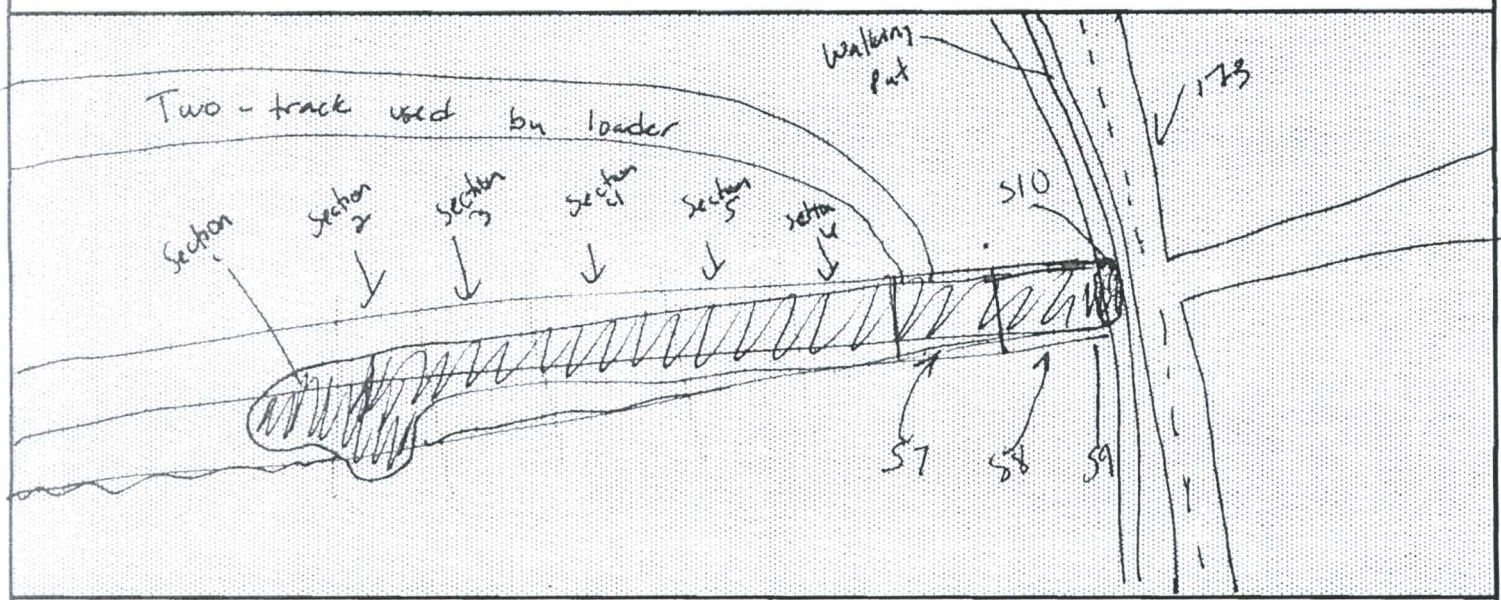
**SPILL PERIMETER:** *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*

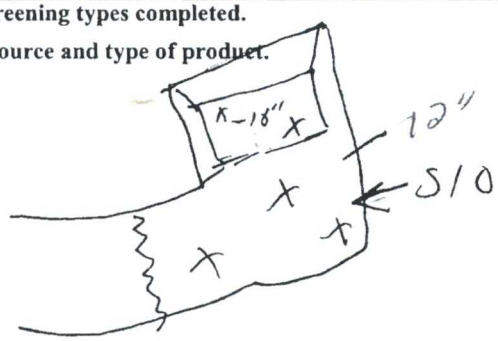



**EXCAVATION PROFILE:**




NOTES: **Include number of samples and borings taken, and screening types completed.**

**Describe spill in narrative format including amount, source and type of product.**




WO #:

**Who Ordered/Site Rep:**

## APPENDIX E

Bill of Ladings and Special Waste Manifest

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*Practical Solutions for a Better Tomorrow*

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-138
Revised August 1, 2011

*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:**

Three Rivers Trucking Inc

2. **Originating Site:**

HWY 173, mm 1, Aztec, NM - Produced water from various wells. tes

3. **Location of Material (Street Address, City, State or ULSTR):**

HWY 173, mm 1, Aztec, NM (36.8256, -107.9676)(S-1, T-30N, R-11W)

4. **Source and Description of Waste:**

Diesel / Motor Oil / produced water impacted soil

Estimated Volume 100 ($yd^3$) / bbls Known Volume (to be entered by the operator at the end of the haul) _____ $yd^3$ / bbls

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

I, Cindy Pinkett, representative or authorized agent for Three Rivers T[redacted] do hereby 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. [redacted]

☒ 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**

I, _____, representative for _____ do hereby certify that 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.

5. **Transporter:**

Envirotech

**OCD Permitted Surface Waste Management Facility**

Name and Facility Permit #: Envirotech Landfarm #2 / NM 01-0011

Address of Facility:

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: _____ TITLE: _____ DATE: [redacted]

SIGNATURE: _____ TELEPHONE NO.: [redacted]

Surface Waste Management Facility Authorized Agent

envirotech

# Bill of Lading

MANIFEST # 62966
GENERATOR Three Rivers Trucking
POINT OF ORIGIN Hwy 173 mm 1
TRANSPORTER E Tech
DATE 2-12-19 JOB # 04036-0007

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT | | | | | TRANSPORTING COMPANY | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DESTINATION | MATERIAL | GRID | YDS | BBLS | TKT# | TRK# | TIME | DRIVER SIGNATURE |
| 1 | LF#5 | Contact | H35 | | 2 | | 942 | 1020 | |
| | | | | | 2 | | | | |
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| RESULTS | | | LANDFARM EMPLOYEE | NOTES |
|---|---|---|---|---|
| <291 | CHLORIDE TEST | 1 | Cory Rahmann EL | |
| | PAINT FILTER TEST | 1 | Certification of above receival & placement | |

**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.**

Generator Onsite Contact _____ Phone _____

*Signatures required prior to distribution of the legal document.* DISTRIBUTION: **White** - Company Records, **Yellow** - Billing, **Pink** - Customer, **Goldenrod** - LF Copy

san juan reproduction 578-126

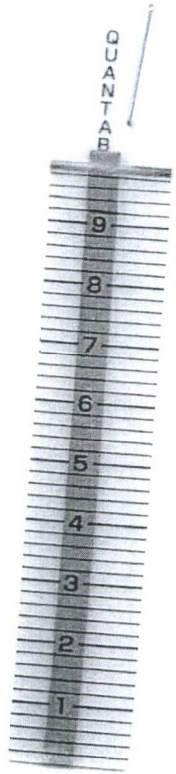
envirotech

BOL# 62966

# CHLORIDE TESTING / PAINT FILTER TESTING

DATE 2-12-19 TIME 1020

Attach test strip here




CUSTOMER Three Rivers Trucking

SITE Hwy 173 mm 1

DRIVER

SAMPLE Soil Straight — With Dirt

**CHLORIDE TEST** 291 mg/Kg

ACCEPTED YES — NO

**PAINT FILTER TEST** Time started 1020 Time completed 1033

PASS YES — NO

SAMPLER/ANALYST Gary Robinson

5796 US Hwy 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 | info@envirotech-inc.com envirotech-inc.com

# envirotech

# Bill of Lading

MANIFEST # 62869
GENERATOR Three Rivers Trucking
POINT OF ORIGIN Hwy 173 mm 1
TRANSPORTER C F & M
DATE 1-31-19 JOB # 04036-0007

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT | | | | | TRANSPORTING COMPANY | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DESTINATION | MATERIAL | GRID | YDS | BBLS | TKT# | TRK# | TIME | DRIVER SIGNATURE |
| 1 | LF II-5 | Con't soil | C38 | 20 | — | 01011 | 0845 | 945 | |
| 2 | " | " " | C38 | 20 | — | 01012 | 0845 | 1125 | " By Gary R |
| | | | | 40 | | | | | |
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| RESULTS | | | LANDFARM EMPLOYEE | NOTES |
|---|---|---|---|---|
| <291 | CHLORIDE TEST | 1 | Gary Robinson EL | Poly in Both Loads |
| | PAINT FILTER TEST | 1 | Certification of above receival & placement | |

**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.**

Generator Onsite Contact _____ Phone _____

*Signatures required prior to distribution of the legal document.* DISTRIBUTION: **White** - Company Records, **Yellow** - Billing, **Pink** - Customer, **Goldenrod** - LF Copy

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BOL# 62869

# CHLORIDE TESTING / PAINT FILTER TESTING

DATE 1-31-19 TIME 945

Attach test strip here

CUSTOMER Three Rivers Trucking

SITE Hwy 173. MM 1.

DRIVER

SAMPLE (Soil) Straight ____ With Dirt ____

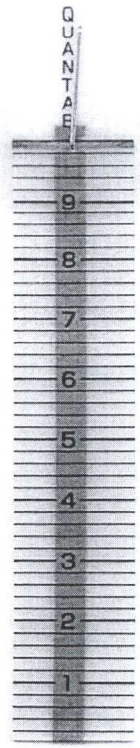
**CHLORIDE TEST** 291 mg/Kg

ACCEPTED YES ✓ NO ____

**PAINT FILTER TEST** Time started 945 Time completed 956

PASS YES ✓ NO ____

SAMPLER/ANALYST Gary Robinson




5796 US Hwy 64, Farmington, NM 87401 || Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 || info@envirotech-inc.com envirotech-inc.com

# envirotech

## Bill of Lading

MANIFEST # 62874
GENERATOR Three Rivers Trucking
POINT OF ORIGIN Hwy 173 mm1
TRANSPORTER E-Tech
DATE 1-31-19 JOB # 04036-0007

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT | | | | | TRANSPORTING COMPANY | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DESTINATION | MATERIAL | GRID | YDS | BBLS | TKT# | TRK# | TIME | DRIVER SIGNATURE |
| 1 | LFII-5 | Cont Soil | C38 | 20 | — | 01010 | 660 | 1118 | |
| 2 | " | " | C38 | 20 | — | 0103 | 660 | 1325 | |
| 3 | " | " | C38 | 20 | — | 101014 | 660 | 1538 | |
| | | | | 60 | | | | | |
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| RESULTS | | | LANDFARM EMPLOYEE | NOTES |
|---|---|---|---|---|
| <291 | CHLORIDE TEST | 1 | Cory Robins EL | |
| | PAINT FILTER TEST | 1 | Certification of above receival & placement | |

**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.**

Generator Onsite Contact _____ Phone _____

*Signatures required prior to distribution of the legal document.* DISTRIBUTION: **White** - Company Records, **Yellow** - Billing, **Pink** - Customer, **Goldenrod** - LF Copy

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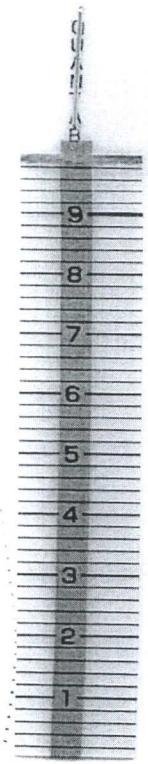
BOL# 62874

# CHLORIDE TESTING / PAINT FILTER TESTING

DATE 1-31-19 TIME 1118

Attach test strip here



CUSTOMER Three Rivers Trucking

SITE Hwy 173 mm1

DRIVER Eddie Begay

SAMPLE (Soil) Straight ✓ With Dirt _____

**CHLORIDE TEST** -291 mg/Kg

ACCEPTED YES ✓ NO _____

**PAINT FILTER TEST** Time started _____ Time completed _____

PASS YES ✓ NO _____

SAMPLER/ANALYST Gary Robinson

5796 US Hwy 64, Farmington, NM 87401 || Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 || info@envirotech-inc.com envirotech-inc.com

# envirotech

# Bill of Lading

MANIFEST # 62885
GENERATOR Three Rivers
POINT OF ORIGIN Hwy 173 mm 1
TRANSPORTER E-Tech
DATE 2-1-19 JOB # 04036-0007

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT | | | | | TRANSPORTING COMPANY | | | |
|---|---|---|---|---|---|---|---|---|---|
| | DESTINATION | MATERIAL | GRID | YDS | BBLS | TKT# | TRK# | TIME | DRIVER SIGNATURE |
| 1 | LF II 5 | Cont Soil | C38 | 12 | - | 01061 | 615 | 1145 | |
| 2 | " | " " | C38 | 12 | - | 01062 | 615 | 1326 | |
| 3 | " | " " | C38 | 12 | - | 01063 | 615 | 1522 | |
| | | | | 36 | | | | | |
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| RESULTS | | | LANDFARM EMPLOYEE | NOTES |
|---|---|---|---|---|
| < 291 | CHLORIDE TEST | 1 | Gary Belanger EL | Poly in loads yesterday and today |
| | PAINT FILTER TEST | 1 | Certification of above receival & placement | |

**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.**

Generator Onsite Contact _____ Phone _____

*Signatures required prior to distribution of the legal document.* DISTRIBUTION: **White** - Company Records, **Yellow** - Billing, **Pink** - Customer, **Goldenrod** - LF Copy

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BOL# 62885

# CHLORIDE TESTING / PAINT FILTER TESTING

DATE 2-1-19 TIME 1145

Attach test strip here

CUSTOMER Three Rivers

SITE Hwy-173, Mm 71

DRIVER Brian Hosmer

SAMPLE Soil Straight ✓ With Dirt _____

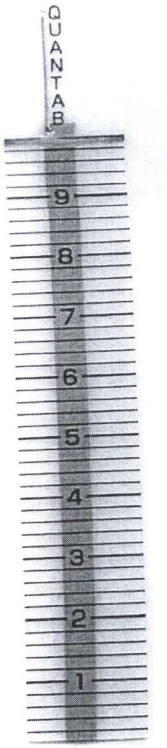
**CHLORIDE TEST** 291 mg/Kg

ACCEPTED YES ✓ NO _____

**PAINT FILTER TEST** Time started 1145 Time completed 1157

PASS YES ✓ NO _____

SAMPLER/ANALYST Gary Robinson




5796 US Hwy 64, Farmington, NM 87401 || Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 || info@envirotech-inc.com envirotech-inc.com

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| SPECIAL WASTE MANIFEST | | Manifest Document No. SW - 01010 | Page 1 of |
|---|---|---|---|

**GENERATOR**

| Generator's Name | Generator's Address | Generator's Telephone No. |
|---|---|---|
| Three Rivers Trucking | PO Box 2728, Farmington | 505-360-0936 |

Origin of Special Waste (Project or Spill Location): Produced Water & hydrocarbon impacted Soil - HW1173, mm 1, Aztec NM

| Transporter #1 Company Name | Address | Telephone No. |
|---|---|---|
| Envirotech | Farmington NM | |
| Transporter #2 Company Name | Address | Telephone No. |
| | | |
| Destination Facility Name/Site Address | Facility ID (Permit) Number | Telephone No. |
| Envirotech Landfarm #2 | NM 01-0011 | 505-632-0615 |

| Type and Proper Name of Special Waste | Container(s) No. | Container(s) Type | Total Quantity | Unit Wt/Vol |
|---|---|---|---|---|
| Produced Water & hydrocarbon impacted Soil | 1 | B | | |
| | | | | |
| | | | | |
| | | | | |

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:

Top Load

**GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Felipe Aragon agent | Felipe Aragon (agent) | 1-31-19 |

**TRANSPORTER**

| Transporter 1 Acknowledgement of Receipt of Special Waste | | |
|---|---|---|
| Printed/Typed Name: Eddie Sega | Signature: Eddie Sega | Date: 1-31-19 |
| Transporter 2 Acknowledgement of Receipt of Special Waste | | |
| Printed/Typed Name: | Signature: | Date: |

**FACILITY**

Discrepancy Indication Space:

Facility Owner or Operator: ***I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.***

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Cody Robinson | Cody Robinson | 1-31-19 |

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| SPECIAL WASTE MANIFEST | | Manifest Document No. SW - 01011 | Page 1 of |
|---|---|---|---|

| Generator's Name | Generator's Address | Generator's Telephone No. |
|---|---|---|
| Three Rivers Trucking | PO Box 2728, Farmington | 505-360-0936 |

Origin of Special Waste (Project or Spill Location):
Produced water & hydrocarbon impacted S. of HWY 173, mm 1, Aztec NM

| Transporter #1 Company Name | Address | Telephone No. |
|---|---|---|
| CF&M | 1900 N 1ST | |
| Transporter #2 Company Name | Address | Telephone No. |
| | | |
| Destination Facility Name/Site Address | Facility ID (Permit) Number | Telephone No. |
| Envirotech Landfarm #2 | NM 01-0011 | 505 632-0615 |

GENERATOR

| Type and Proper Name of Special Waste | Container(s) No. | Container(s) Type | Total Quantity | Unit Wt/Vol | |
|---|---|---|---|---|---|
| Produced Water & Hydrocarbon Impacted Soil | 1 | B | 20 | YDS | GR |
| | | | | | |
| | | | | | |
| | | | | | |

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:
Tarp Load

**GENERATOR'S CERTIFICATION**: I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Felipe Aragon (as agent) | Felipe Aragon (as agent) | 1-31-19 |

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Special Waste

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| | | |

Transporter 2 Acknowledgement of Receipt of Special Waste

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| | | |

FACILITY

Discrepancy Indication Space:

Facility Owner or Operator: ***I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.***

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Gary Robinson | Gary Robinson | 1-31-19 |

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| SPECIAL WASTE MANIFEST | | Manifest Document No. SW - 01012 | Page 1 of |
|---|---|---|---|

| Generator's Name | Generator's Address | Generator's Telephone No. |
|---|---|---|
| Three rivers Trucking | Po Box 2728 Farmington NM | 505 326 0936 |

Origin of Special Waste (Project or Spill Location):
Produced Water & Hydrocarbon impacted Soil - Hwy 173, mm 1, Aztec NM

| Transporter #1 Company Name | Address | Telephone No. |
|---|---|---|
| CF&M | | |
| Transporter #2 Company Name | Address | Telephone No. |
| | | |

| Destination Facility Name/Site Address | Facility ID (Permit) Number | Telephone No. |
|---|---|---|
| Envirotech Landfarm #2 | NM 01-0011 | (505) 632-0615 |

GENERATOR

| Type and Proper Name of Special Waste | Container(s) No. | Container(s) Type | Total Quantity | Unit Wt/Vol | |
|---|---|---|---|---|---|
| Produced Water & Hydrocarbon impacted Soil | 1 | B | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:
Tarp load

**GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

| Printed/Typed Name: Jonathan Dean | Signature: Jonathan Dean | Date: 1/31/19 |
|---|---|---|

TRANSPORTER

| Transporter 1 Acknowledgement of Receipt of Special Waste | | |
|---|---|---|
| Printed/Typed Name: | Signature: | Date: |
| **Transporter 2 Acknowledgement of Receipt of Special Waste** | | |
| Printed/Typed Name: | Signature: | Date: |

FACILITY

Discrepancy Indication Space:

Facility Owner or Operator: ***I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.***

| Printed/Typed Name: Gary Robinson | Signature: Gary Robinson | Date: 1-31-19 |
|---|---|---|

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| SPECIAL WASTE MANIFEST | | Manifest Document No. SW - 01013 | Page 1 of |
|---|---|---|---|

| Generator's Name | Generator's Address | Generator's Telephone No. |
|---|---|---|
| Three Rivers Trucking | PO Box 2128 Farmington NM | 505 326 0936 |

Origin of Special Waste (Project or Spill Location):

Produced water & Hydrocarbon impacted Soil - Hwy 173 mm 1, Aztec, NM.

| Transporter #1 Company Name | Address | Telephone No. |
|---|---|---|
| | | |
| Transporter #2 Company Name | Address | Telephone No. |
| | | |
| Destination Facility Name/Site Address | Facility ID (Permit) Number | Telephone No. |
| Envirotech Land farm #2 | NM 01-0011 | (505) 632-0615 |

GENERATOR

| Type and Proper Name of Special Waste | Container(s) No. | Container(s) Type | Total Quantity | Unit Wt/Vol | |
|---|---|---|---|---|---|
| Produced water & Hydrocarbon impacted Soil | 1 | B | 20 | YDS | CRC |
| | | | | | |
| | | | | | |
| | | | | | |

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:

Tarp load

**GENERATOR'S CERTIFICATION**: I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Jonathan Dan | Jon Dan | 1/31/19 |

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Special Waste

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Eddie Bega | Eddie Bega | 1-31-19 |

Transporter 2 Acknowledgement of Receipt of Special Waste

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| | | |

FACILITY

Discrepancy Indication Space:

Facility Owner or Operator: *I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.*

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Cory Robinson | Cory Robinson | 1-31-19 |

envirotech

| SPECIAL WASTE MANIFEST | | Manifest Document No. SW - 01014 | Page 1 of |
|---|---|---|---|

| Generator's Name | Generator's Address | Generator's Telephone No. |
|---|---|---|
| Three Rivers Trucking | Po Box 2728 Farmington NM | 505 360-0936 |

Origin of Special Waste (Project or Spill Location):
Produced water & Hydrocarbon impacted Soil - Hwy 173, Aztec NM

| Transporter #1 Company Name | Address | Telephone No. |
|---|---|---|
| | | |
| Transporter #2 Company Name | Address | Telephone No. |
| | | |
| Destination Facility Name/Site Address: Envirotech Landfarm #2 | Facility ID (Permit) Number: NM 01-0011 | Telephone No.: 505 632-0615 |

GENERATOR

| Type and Proper Name of Special Waste | Container(s) No. | Container(s) Type | Total Quantity | Unit Wt/Vol | |
|---|---|---|---|---|---|
| Produced water & Hydrocarbon Impacted Soil | 1 | B | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:
Tarp load

**GENERATOR'S CERTIFICATION**: I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

| Printed/Typed Name: Jonathan Dan | Signature: | Date: 1/31/19 |
|---|---|---|

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Special Waste

| Printed/Typed Name: | Signature: | Date: 1-31-19 |
|---|---|---|

Transporter 2 Acknowledgement of Receipt of Special Waste

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| | | |

FACILITY

Discrepancy Indication Space:

Facility Owner or Operator: *I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.*

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| | | 1-31-19 |

envirotech

| SPECIAL WASTE MANIFEST | | Manifest Document No. SW - 01061 | Page 1 of |
|---|---|---|---|

| Generator's Name | Generator's Address | Generator's Telephone No. |
|---|---|---|
| Three Rivers Trucking | PO Box 2728, Farmington | 505-360-0936 |

Origin of Special Waste (Project or Spill Location):
Hwy 173, mm 1, Aztec, NM

| Transporter #1 Company Name | Address | Telephone No. |
|---|---|---|
| Envirotech Inc | 5796 US 64 | 505-632-0615 |
| Transporter #2 Company Name | Address | Telephone No. |

| Destination Facility Name/Site Address | Facility ID (Permit) Number | Telephone No. |
|---|---|---|
| Envirotech Landfarm #2 | NM01-0011 | 505-632-0615 |

GENERATOR

| Type and Proper Name of Special Waste | Container(s) No. | Container(s) Type | Total Quantity | Unit Wt/Vol | |
|---|---|---|---|---|---|
| Produced Water + Hydrocarbon Impacted Soil | 1 | DP | 12 | YDS | |
| | | | | | |
| | | | | | |
| | | | | | |

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:

**GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| | | |

TRANSPORTER

| Transporter 1 Acknowledgement of Receipt of Special Waste | | |
|---|---|---|
| Printed/Typed Name: Bruce Holmes | Signature: Bruce Holmes | Date: 2-1-19 |
| **Transporter 2 Acknowledgement of Receipt of Special Waste** | | |
| Printed/Typed Name: | Signature: | Date: |

FACILITY

Discrepancy Indication Space:

Facility Owner or Operator: ***I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.***

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Gary Robinson | Gary Robinson | 2-1-19 |

envirotech

| SPECIAL WASTE MANIFEST | | Manifest Document No. SW - 01062 | Page 1 of |
|---|---|---|---|

| Generator's Name | Generator's Address | Generator's Telephone No. |
|---|---|---|
| Three Rivers Trucking | P.O. Box 527 Grants | 505-341-0934 |

Origin of Special Waste (Project or Spill Location):

Hwy 173 mm 2, Water Main

| Transporter #1 Company Name | Address | Telephone No. |
|---|---|---|
| Envirotech Inc | 5796 Hwy 64 | 505-632-0615 |
| Transporter #2 Company Name | Address | Telephone No. |
| | | |
| Destination Facility Name/Site Address | Facility ID (Permit) Number | Telephone No. |
| Envirotech Landfarm #2 | NM 01-0011 | 505-632-0615 |

GENERATOR

| Type and Proper Name of Special Waste | Container(s) No. | Container(s) Type | Total Quantity | Unit Wt/Vol | |
|---|---|---|---|---|---|
| Produced water exempt soil | 1 | DP | 12 | YDS | |
| | | | | | |
| | | | | | |
| | | | | | |

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:

**GENERATOR'S CERTIFICATION**: I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| | | |

TRANSPORTER

| Transporter 1 Acknowledgement of Receipt of Special Waste | | |
|---|---|---|
| Printed/Typed Name: Paul Nelson | Signature: Paul Nelson | Date: 2-1-19 |
| **Transporter 2 Acknowledgement of Receipt of Special Waste** | | |
| Printed/Typed Name: | Signature: | Date: |

FACILITY

Discrepancy Indication Space:

Facility Owner or Operator: ***I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.***

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Gary Robinson | Gary Robinson | 2-1-19 |

envirotech

| SPECIAL WASTE MANIFEST | | Manifest Document No. SW - 01063 | Page 1 of |
|---|---|---|---|

| Generator's Name | Generator's Address | Generator's Telephone No. |
|---|---|---|
| | | |

Origin of Special Waste (Project or Spill Location):

| Transporter #1 Company Name | Address | Telephone No. |
|---|---|---|
| | | |
| Transporter #2 Company Name | Address | Telephone No. |
| | | |
| Destination Facility Name/Site Address | Facility ID (Permit) Number | Telephone No. |
| Envirotech Land Farm #2 | NM01-0011 | 505 632-0615 |

GENERATOR

| Type and Proper Name of Special Waste | Container(s) No. | Container(s) Type | Total Quantity | Unit Wt/Vol | |
|---|---|---|---|---|---|
| Drilling fluids and drill cuttings | 1 | DF | 12 | YDS | |
| | | | | | |
| | | | | | |
| | | | | | |

Additional Descriptions for Special Waste Listed Above:

Special Handling Instructions:

**GENERATOR'S CERTIFICATION**: I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| | | |

TRANSPORTER

| Transporter 1 Acknowledgement of Receipt of Special Waste | | |
|---|---|---|
| Printed/Typed Name: | Signature: | Date: 2-1-19 |
| Transporter 2 Acknowledgement of Receipt of Special Waste | | |
| Printed/Typed Name: | Signature: | Date: |

FACILITY

Discrepancy Indication Space:

Facility Owner or Operator: ***I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.***

| Printed/Typed Name: | Signature: | Date: |
|---|---|---|
| Gary Robinson | Gary Robinson | 2-1-19 |