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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Enterprise Products	Contact Aaron Dailey
Address 614 Reilly Avenue, Farmington NM 87401	Telephone No. (505)599-2286
Facility Name Atlantic Fruitland 24 Com #2	Facility Type Well location meter run

Surface Owner BLM	Mineral Owner BLM	API No:

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	24	31N	10W					San Juan

Latitude N36.52'906" **Longitude** W107.50'906" (DDMMSS)

NATURE OF RELEASE

Type of Release Natural gas condensate	Volume of Release Unknown (estimated @ 3-4 barrels)	Volume Recovered 8.5 yards and 250 barrels (hydrovac excavation)of petroleum impacted soil removed from location
Source of Release Catalytic heater piping on meter tube	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 7.17.2012 @ 16:00 hours
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	RCVD OCT 19 '12 OIL CONS. DIV. DIST. 3
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Enterprise measurement technician found stained soil beneath the meter tube. The technician discovered the source of the leak, which was the ¼" gas supply valve to the catalytic heater, which was a result of the meter tube filling with condensate and overflowing through the catalytic heater. The technician shut in this supply valve and contacted his supervisor and the Enterprise environmental department.

Describe Area Affected and Cleanup Action Taken.*
Initial cleanup actions began 7/17/2012 and were completed August 8, 2012. Please refer to the attached third party environmental corrective action report for details regarding this spill cleanup.

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

Signature: Aaron Dailey	OIL CONSERVATION DIVISION
Printed Name: Aaron Dailey	Approved by Environmental Specialist: Jonathan D. Kelly
Title: Field Environmental Scientist	Approval Date: 9/24/2013 Expiration Date:
E-mail Address: amdailey@eprod.com	Conditions of Approval: Closure standard not met for location, further delineation required Attached ☐
Date: 10.16.2012 Phone: (505)599-2286	

* Attach Additional Sheets If Necessary

nJK1326749584

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3274

October 2, 2012

Aaron Dailey
Enterprise Products Company
614 Reilly Avenue
Farmington, New Mexico 87401

RE: Release Assessment and Mitigation Report
Atlantic Fruitland 24 Com #2
San Juan County, New Mexico

Dear Mr. Dailey:

On July 19, 23, 25, and August 8, 2012, Animas Environmental Services, LLC (AES) completed an assessment associated with a release of natural gas condensate from the Enterprise Products Company (Enterprise) Atlantic Fruitland 24 Com #2 meter run. The release, which is located approximately 9.5 miles northeast of Aztec, San Juan County, New Mexico, resulted from a leaking meter tube.

1.0 Site Information

1.1 Location

Location - NW¼ SW¼, Section 24, T31N, R10W, San Juan County, New Mexico
Release Latitude/Longitude - N36.88176 and W107.83993, respectively
Well Head Latitude/Longitude – N36.88158 and W107.84027, respectively
Surface Owner – Federal (Bureau of Land Management)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map

1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), the release location was assigned a ranking score to establish release action levels. The ranking score was obtained in part by reviewing available records of nearby oil/gas wells using the NMOCD online database. A C-144 form dated June 2010 for the BP America Atlantic LS 017 well located approximately 270 feet southeast of the release area reported the depth to groundwater as less than 50 feet below ground surface (bgs). Additionally, the New Mexico Office of the State Engineer (NMOSE) database was reviewed for nearby water

wells, and no registered water wells were reported to be located within 1,000 feet of the location.

Google Earth and the New Mexico Tech Petroleum Recovery Research Center online mapping tool (http://ford.nmt.edu/react/project.html) were accessed to aid in the identification of downgradient surface water. Unnamed ephemeral washes are located approximately 200 feet to the north and southwest of the release location and drain to Arch Rock Canyon. Arch Rock Spring is located approximately 640 feet to the southeast. Based on this information, the release location was assessed a ranking score of 40.

2.0 Release Assessment and Mitigation

2.1 Initial Assessment

On July 19, 2012, Enterprise contractors initiated an excavation beneath the meter run and determined that the release was the result of a leaking flange on the meter tube. The leak was immediately repaired, and AES collected a total of 10 discrete soil samples for field screening and excavation guidance. The initial excavation dimensions measured approximately 9.5 feet by 9 feet by 4.25 feet deep. Approximately 8.5 cubic yards (cy) of petroleum contaminated soil (PCS) were transported off-site for disposal at an approved facility. On July 23, 2012, AES returned to the location and collected five additional discrete soil samples for field screening and two 5-point composite samples (EXC-1 and EXC-2) for field screening and laboratory analysis.

Due to safety hazards and risks to the structural integrity of the meter run, Enterprise determined that further excavation of impacted soils was not feasible. On July 25, 2012, AES installed four soil borings (SB-1 through SB-4) to 9 feet bgs outside of the excavation perimeter to determine the lateral extents of contamination. Additionally, four soil borings (SB-6 through SB-9) were installed an additional 3 feet in depth at locations within the excavation along the perimeter walls for a total depth of 7.25 feet bgs, and one soil boring was installed to 9 feet total bgs (SB-5) within the excavation near the release location to determine the extent of vertical contamination. Initial excavation extents and soil boring locations are presented in Figure 3.

2.2 Additional PCS Excavation

Based on the results of the initial assessment, Enterprise contractors expanded the excavation using a hydrovac truck, and the final excavation measurements were 14 feet by 13 feet by 12 feet deep. Approximately 250 barrels (bbls) of petroleum contaminated soil (PCS) were transported off-site for disposal at an approved facility. AES returned to the location on August 8, 2012, to collect five additional 5-point

composite samples (SC-1 through SC-5) for field screening and laboratory confirmation analyses. Following confirmation sampling, the excavation was backfilled with clean imported material. Final excavation extents and soil sample locations are included on Figure 4, and a photograph log and disposal documentation are attached.

3.0 Soil Sampling

As part of initial assessment activities in July 2012, AES personnel collected 15 discrete soil samples that were field screened for volatile organic compounds (VOCs) and used for excavation guidance. On July 23, 2012, two 5-point composite samples (EXC-1 and EXC-2) were collected for field screening of VOCs and laboratory analysis. EXC-1 was a composite of all four walls of the initial excavation from 0 to 4.25 feet depth, and EXC-2 was a composite of the base of the initial excavation at 4.25 feet depth.

On July 25, 2012, AES installed a total of nine soil borings (SB-1 through SB-9) to assess the horizontal and vertical extents of PCS. Each of the soil borings was field screened for VOCs at 1 foot intervals. Additionally, five of the soil borings (SB-1 through SB-5) were field screened at total depth for total petroleum hydrocarbons (TPH) and were used to recommend additional excavation extents.

On August 8, 2012, prior to backfilling the final excavation, AES personnel collected five 5-point composite soil samples (SC-1 through SC-5) from the excavation base and sidewalls for field screening of VOCs and laboratory analysis. Soil samples SC-1 through SC-4 were collected from the sidewalls of the excavation from 1 to 12 feet bgs, and SC-5 was collected from the excavation base at a depth of 12 feet.

3.1 Field Screening

3.1.1 Volatile Organic Compounds

Field-screening for VOCs was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

3.1.2 Total Petroleum Hydrocarbons

Soil samples that were analyzed in the field for TPH per USEPA Method 418.1 were analyzed using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.*

3.2 Laboratory Analyses

Seven soil samples (EXC-1 and EXC-2 and SC-1 through SC-5) were collected for laboratory analysis and were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015B.

3.3 Field Screening and Laboratory Analytical Results

Initial assessment field screening readings for VOCs on July 23, 2012, ranged from 2,550 ppm in EXC-1 up to 3,648 ppm in EXC-2. On July 25, 2012, soil boring field screening readings for VOCs at total depth ranged from 13.2 ppm in SB-4 up to 3,719 ppm in SB-5. Soil boring field screening results for TPH ranged from 247 mg/kg in SB-3 up to 3,460 mg/kg in SB-5. Final excavation field screening results for VOCs on August 8, 2012, ranged from 82.3 ppm in SC-1 up to 4,601 ppm in SC-5.

Final excavation soil analytical results from SC-1 through SC-5 showed that benzene concentrations ranged from below the laboratory detection limit of 0.046 mg/kg in SC-2 up to 0.24 mg/kg in SC-4. Total BTEX concentrations ranged from 0.24 mg/kg in SC-1 up to 33 mg/kg in SC-4. TPH concentrations ranged from below laboratory detection limits in SC-1 up to 400 mg/kg in SC-4. Laboratory analytical results are included in Table 1 and on Figures 3 and 4. An AES Field Screening Report and laboratory analytical reports are attached.

Table 1. Field Screening and Laboratory Analytical Results
Atlantic Fruitland 24 Com #2 July 2012 Release

Sample ID	*Sample Date*	*Depth (ft)*	*VOCs OVM (ppm)*	*Field TPH (mg/kg)*	*Benzene (mg/kg)*	*Total BTEX (mg/kg)*	*TPH-GRO (mg/kg)*	*TPH-DRO (mg/kg)*
NMOCD Action Level			***100***	***100****	***10***	***50***	***100****	
EXC-1	7/23/12	0 to 4.25	**2,550**	NA	0.25	**128**	**1,200**	**670**
EXC-2	7/23/12	4.25	**3,648**	NA	3.1	**544**	**3,500**	**460**
SB-1	7/25/12	9	26.9	**282**	NA	NA	NA	NA
SB-2	7/25/12	9	23.4	**282**	NA	NA	NA	NA
SB-3	7/25/12	9	14.6	**247**	NA	NA	NA	NA

Sample ID	*Sample Date*	*Depth (ft)*	*VOCs OVM (ppm)*	*Field TPH (mg/kg)*	*Benzene (mg/kg)*	*Total BTEX (mg/kg)*	*TPH-GRO (mg/kg)*	*TPH-DRO (mg/kg)*
NMOCD Action Level			***100***	***100****	***10***	***50***	***100****	
SB-4	7/25/12	9	13.2	**343**	NA	NA	NA	NA
SB-5	7/25/12	9	**3,719**	**3,460**	NA	NA	NA	NA
SC-1	8/8/12	1 to 12	82.3	NA	<0.047	0.24	<4.7	<9.6
SC-2	8/8/12	1 to 12	**222**	NA	<0.046	3.1	80	<10
SC-3	8/8/12	1 to 12	**664**	NA	0.050	13	**160**	**32**
SC-4	8/8/12	1 to 12	**294**	NA	0.24	33	**330**	**70**
SC-5	8/8/12	12	**4,601**	NA	0.12	25	**270**	**29**

*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993).

4.0 Conclusions and Recommendations

NMOCD action levels for releases are specified in NMOCD's *Guidelines for Leaks, Spills, and Releases* (August 1993), and the release location was assigned a ranking score of 40. Based on laboratory analytical results from the final excavation area, benzene and total BTEX concentrations were below NMOCD action levels; however, TPH concentrations above the NMOCD action level of 100 mg/kg were reported in SC-3 (192 mg/kg), SC-4 (400 mg/kg), and SC-5 (299 mg/kg).

Based on field observations, field screening values, and laboratory analytical results, soils continue to be impacted above NMOCD action levels within the vicinity of the release and along the eastern and western edges of the final excavation. Because it is not feasible to safely extend the excavation without removing the meter run, AES recommends that Enterprise complete additional excavation of all PCS during site reset activities at a later date, or complete an assessment using a Geoprobe in conjunction with injection of an approved in-situ oxidation technology.

If you have any questions about this report or site conditions, please do not hesitate to contact me or Ross Kennemer at (505) 564-2281.

Sincerely,

Tami C. Ross

Tami C. Ross, CHMM
Project Manager

Elizabeth McNally

Elizabeth McNally, P.E.

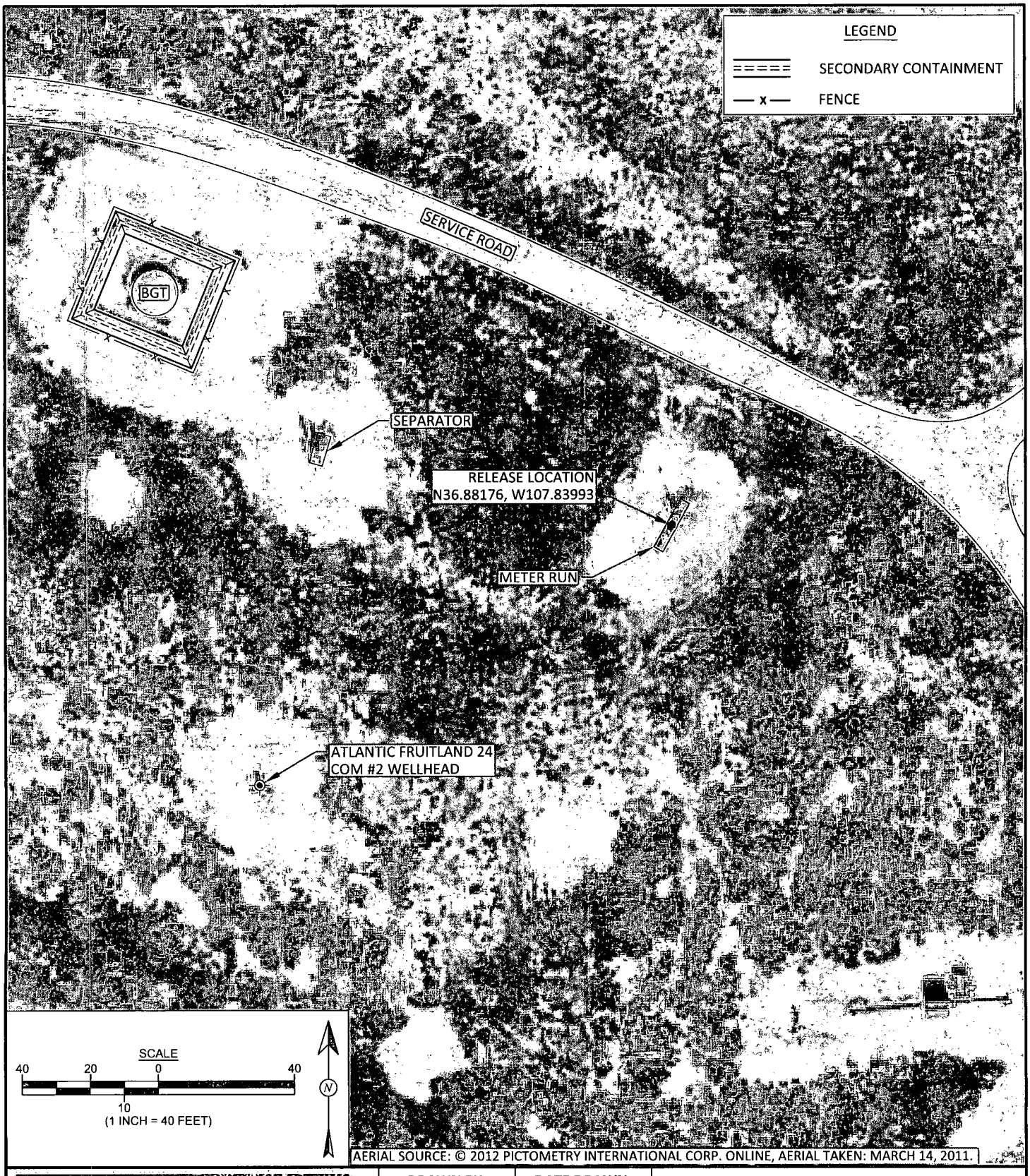
Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map
Figure 3. Initial Excavation Sample Locations and Results, July 2012
Figure 4. Final Excavation Sample Locations and Results, August 2012
Photo Log
Form C-138
AES Field Screening Report 072512
Laboratory Analytical Reports (Hall 1207A27 and 1208396)

R:\Animas 2000\2012 Projects\Enterprise\Atlantic Fruitland 24 Com #2\Atlantic Fruitland 24 Com #2 Release Assessment 100212.docx

DRAWN BY: N. Willis	**DATE DRAWN:** July 25, 2012	**FIGURE 1**
REVISIONS BY: N. Willis	**DATE REVISED:** July 25, 2012	**TOPOGRAPHIC SITE LOCATION MAP**
CHECKED BY: T. Ross	**DATE CHECKED:** October 1, 2012	ENTERPRISE PRODUCTS COMPANY ATLANTIC FRUITLAND 24 COM #2 SAN JUAN COUNTY, NEW MEXICO
APPROVED BY: E. McNally	**DATE APPROVED:** October 1, 2012	NW¼ SW¼, SECTION 24, T31N, R10W N36.88158, W107.84027

AES
Animas Environmental Services, LLC



Animas Environmental Services, LLC

DRAWN BY: N. Willis	**DATE DRAWN:** July 25, 2012	**FIGURE 2**
REVISIONS BY: C. Lameman	**DATE REVISED:** October 1, 2012	**AERIAL SITE MAP**
CHECKED BY: T. Ross	**DATE CHECKED:** October 1, 2012	ENTERPRISE PRODUCTS COMPANY ATLANTIC FRUITLAND 24 COM #2 SAN JUAN COUNTY, NEW MEXICO NW¼ SW¼, SECTION 24, T31N, R10W N36.88158, W107.84027
APPROVED BY: E. McNally	**DATE APPROVED:** October 1, 2012	

FIGURE 3

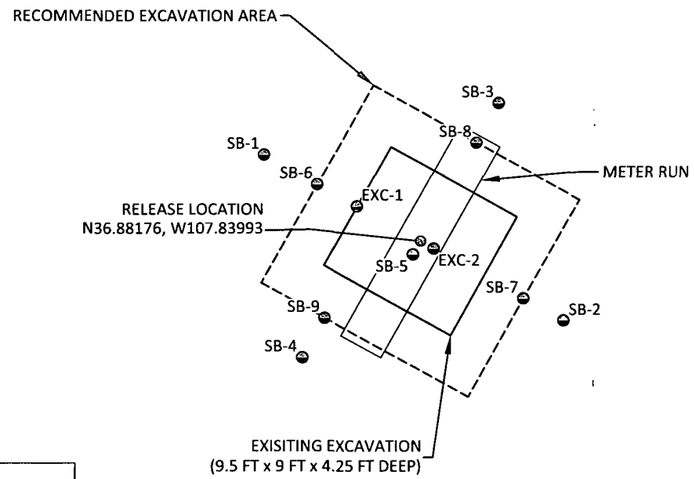
INITIAL EXCAVATION SAMPLE LOCATIONS AND RESULTS
JULY 2012
ENTERPRISE PRODUCTS COMPANY
ATLANTIC FRUITLAND 24 COM #2
SAN JUAN COUNTY, NEW MEXICO
NW¼ SW¼, SECTION 24, T31N, R10W
N36.88158, W107.84027

Animas Environmental Services, LLC

DRAWN BY: N. Willis	**DATE DRAWN:** July 25, 2012
REVISIONS BY: C. Lameman	**DATE REVISED:** October 1, 2012
CHECKED BY: T. Ross	**DATE CHECKED:** October 1, 2012
APPROVED BY: E. McNally	**DATE APPROVED:** October 1, 2012

LEGEND

SAMPLE LOCATIONS



Field Screening Results				
Sample ID	***Date***	***Depth (ft)***	***OVM-PID (ppm)***	***TPH (mg/kg)***
NMOCD ACTION LEVEL			***100***	***100***
EXC-1	7/23/12	0 to 4.25	**2,550**	*NA*
EXC-2	7/23/12	4.25	**3,648**	*NA*
SB-1	7/25/12	9	26.9	**282**
SB-2	7/25/12	9	23.4	**282**
SB-3	7/25/12	9	14.6	**247**
SB-4	7/25/12	9	13.2	**343**
SB-5	7/25/12	9	**3,719**	**3,460**
SB-6	7/25/12	3	0	*NA*
SB-7	7/25/12	3	79.7	*NA*
SB-8	7/25/12	3	0	*NA*
SB-9	7/25/12	3	26.1	*NA*

EXC-1 IS A 5-POINT COMPOSITE OF ALL 4 WALLS AND EXC-2 IS A 5-POINT COMPOSITE OF THE BASE.
NA - NOT ANALYZED

Laboratory Analytical Results						
Sample ID	***Date***	***Depth (ft)***	***Benzene (mg/kg)***	***BTEX (mg/kg)***	***TPH-GRO (mg/kg)***	***TPH-DRO (mg/kg)***
NMOCD ACTION LEVEL			***10***	***50***	***100***	
EXC-1	7/23/12	0.5	0.25	**128**	**1,200**	**670**
EXC-2	7/23/12	0.5	3.1	**544**	**3,500**	**460**

ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015B.

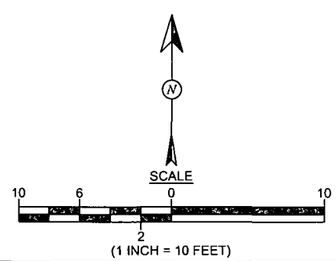


FIGURE 4

FINAL EXCAVATION SAMPLE LOCATIONS AND RESUTS AUGUST 2012

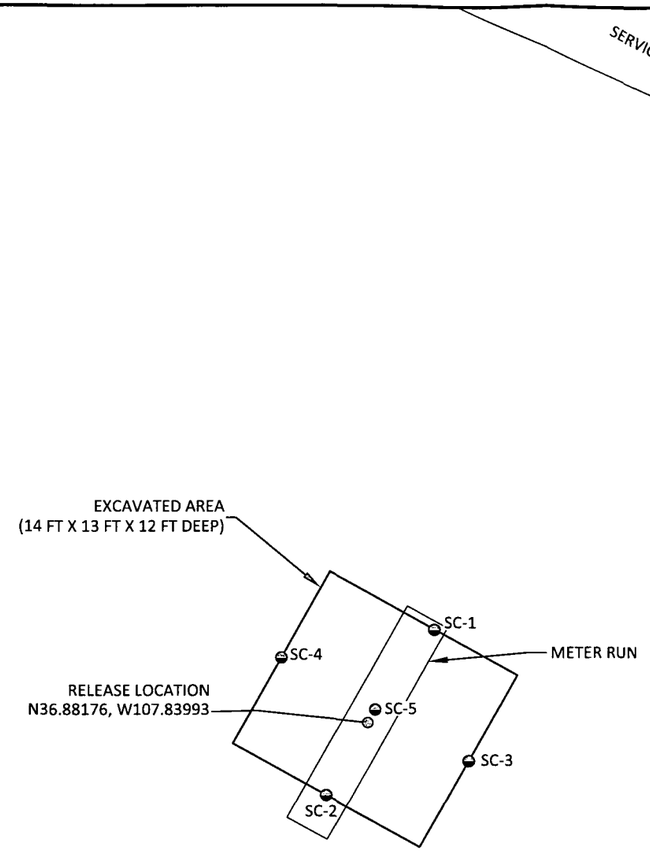
ENTERPRISE PRODUCTS COMPANY
ATLANTIC FRUITLAND 24 COM #2
SAN JUAN COUNTY, NEW MEXICO
NW¼ SW¼, SECTION 24, T31N, R10W
N36.88158, W107.84027

Animas Environmental Services, LLC

DRAWN BY:	DATE DRAWN:
N. Willis	July 25, 2012
REVISIONS BY:	**DATE REVISED:**
C. Lameman	October 1, 2012
CHECKED BY:	**DATE CHECKED:**
T. Ross	October 1, 2012
APPROVED BY:	**DATE APPROVED:**
E. McNally	October 1, 2012

LEGEND

SAMPLE LOCATIONS



Field Screening and Laboratory Analytical Results						
Sample ID	***Date***	***Depth (ft)***	***Benzene (mg/kg)***	***BTEX (mg/kg)***	***TPH-GRO (mg/kg)***	***TPH-DRO (mg/kg)***
NMOCD ACTION LEVEL			***10***	***50***	***100***	
SC-1	8/8/12	1 to 12	0.047	0.24	<4.7	<9.6
SC-2	8/8/12	1 to 12	<0.046	3.1	80	<10
SC-3	8/8/12	1 to 12	0.050	13	**160**	**32**
SC-4	8/8/12	1 to 12	0.24	33	**330**	**70**
SC-5	8/8/12	12	0.12	25	**270**	**29**
ALL SAMPLES WERE ANALYZED PER EPA METHOD 8021B AND 8015B.						

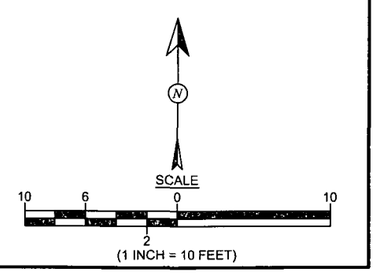


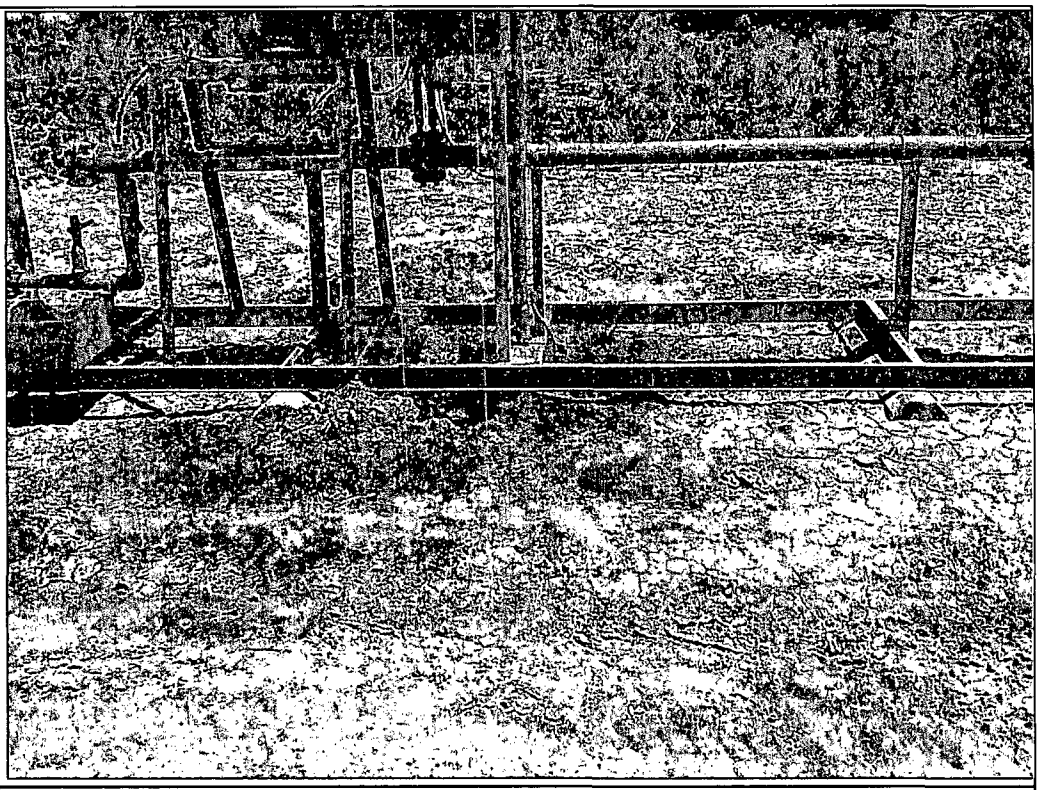
Photo #1	
Client: Enterprise Products Company	
Project: Atlantic Fruitland 24 Com #2 Meter Run Release	
Taken by: Enterprise Personnel	
AES Project No: 120715	Description: View of the release area prior to excavation.

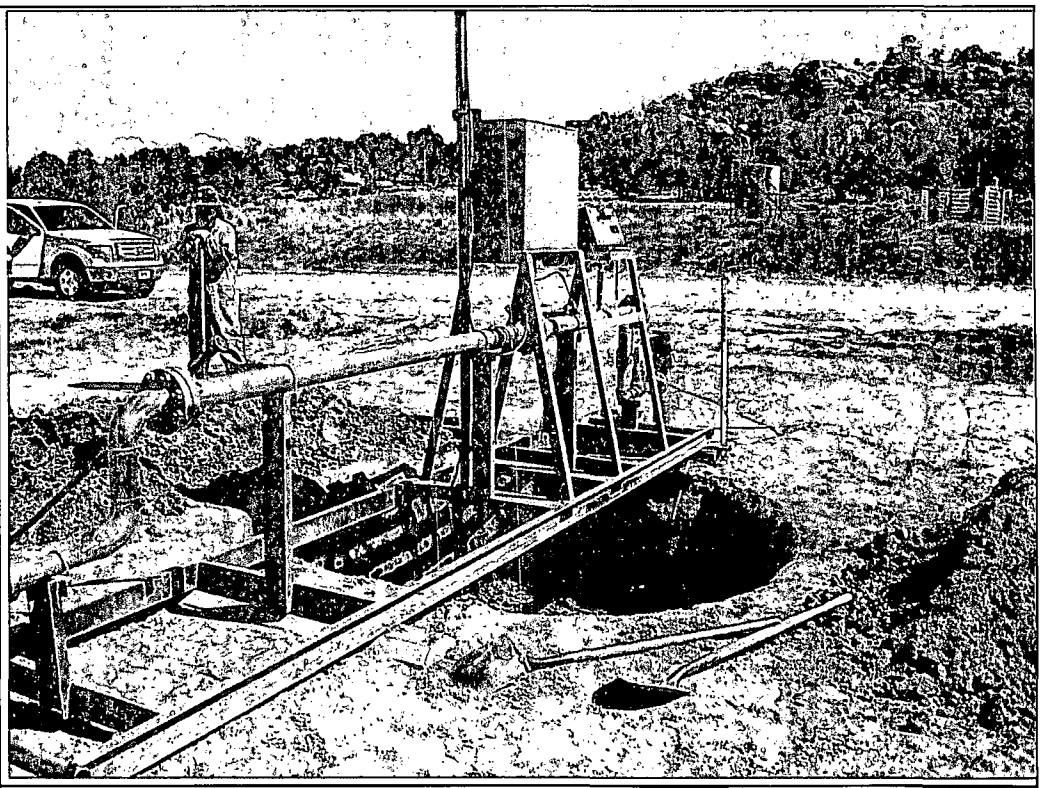
Photo #2	
Client: Enterprise Products Company.	
Project: Atlantic Fruitland 24 Com #2 Meter Run Release	
Taken by: Tom Long	
July 23, 2012	
AES Project No: 12715	Description: View of the initial excavation below the meter run at the Atlantic Fruitland 24 Com #2 well site.

Photo #3	
Client: Enterprise Products Company.	
Project: Atlantic Fruitland 24 Com #2 Meter Run Release	
Taken by: Tom Long	
August 7, 2012	
AES Project No: 12715	Description: View of the final excavation below the meter run at the Atlantic Fruitland 24 Com #2 well site.

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:

ENTERPRISE PRODUCTS OPERATING, LP.; 614 REILLY AVE. FARMINGTON, NM 87401

2. Originating Site:

ATLANTIC FRUITLAND 24 COM #2 METER RUN LOCATION

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

UNIT C SEC 24 T31N R10W; LAT N36° 52.906 LON W107° 50.906

4. Source and Description of Waste:

SOURCE: Meter tube condensate release to ground

DESCRIPTION: Exempt condensate stained soil from release cleanup activities

8-8-12 165bbls
8-12 85bbls
7-23-12 3cy

Estimated Volume 60 yd³ bbls Known Volume (to be entered by the operator at the end of the haul) 51/2 yd³ bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Ann Daly Ann Daly, representative or authorized agent for Enterprise Products 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.

☐ 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, M. Mang, representative for ICE 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:

Southwest Field Services

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Industrial Ecosystems Inc, JFJ Landfarm Permit# NM 01-00108

Address of Facility: 49 CR 3150 AZTEC, NM 87410

Cl = 112
PH = 7

Method of Treatment and/or Disposal:

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

Waste Acceptance Status: ☒ APPROVED ☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: M Mangue TITLE: HSE DATE: 7/9/12

SIGNATURE: M. Mang TELEPHONE NO.: 505-330-1282

Surface Waste Management Facility Authorized Agent

AES Field Screening Report

Animas Environmental Services, LLC
www.animasenvironmental.com
624 E. Comanche
Farmington, NM 87401
505-564-2281
Durango, Colorado
970-403-3274

Client: Enterprise Products Company

Project Location: Atlantic Fruitland Com #2

Date: 7/25/2012

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 9'	7/25/2012	10:31	West	26.9	NA	14:30	282	100	1	TCR
SB-2 @ 9'	7/25/2012	10:42	East	23.4	NA	14:35	282	100	1	TCR
SB-3 @ 9'	7/25/2012	10:50	North	14.6	NA	14:40	247	100	1	TCR
SB-4 @ 9'	7/25/2012	10:58	South	13.2	NA	14:45	343	100	1	TCR
SB-5 @ 9'	7/25/2012	10:31	Base	3,719	NA	14:55	3,460	100	1	TCR

NA Not Analyzed
PQL Practical Quantitation Limit
ND Not Detected at the Reporting Limit
DF Dilution Factor

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver Nitrate
Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Tami C Ross

Report Finalized: 07/25/12

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

August 02, 2012

Tami Ross

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 793-2072
FAX

RE: Enterprise Atlantic Fruitland 24 Com #2 OrderNo.: 1207A27

Dear Tami Ross:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/24/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 1207A27
Date Reported: 8/2/2012

CLIENT: Animas Environmental Services
Client Sample ID: ~~SC-1~~ EXC-1 TCK
Project: Enterprise Atlantic Fruitland 24 Com #2
Collection Date: 7/23/2012 10:10:00 AM
Lab ID: 1207A27-001
Matrix: MEOH (SOIL)
Received Date: 7/24/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JMP**
Diesel Range Organics (DRO)	670	200		mg/Kg	20	7/24/2012 11:41:53 AM
Surr: DNOP	0	77.6-140	S	%REC	20	7/24/2012 11:41:53 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1200	250		mg/Kg	50	7/25/2012 1:53:06 PM
Surr: BFB	165	84-116	S	%REC	50	7/25/2012 1:53:06 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.25	0.12		mg/Kg	5	7/24/2012 12:05:56 PM
Toluene	11	0.25		mg/Kg	5	7/24/2012 12:05:56 PM
Ethylbenzene	6.7	0.25		mg/Kg	5	7/24/2012 12:05:56 PM
Xylenes, Total	110	5.0		mg/Kg	50	7/24/2012 2:00:55 PM
Surr: 4-Bromofluorobenzene	111	80-120		%REC	50	7/24/2012 2:00:55 PM

Qualifiers:

*X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: Enterprise Atlantic Fruitland 24 Com #2
Lab ID: 1207A27-002

Client Sample ID: ~~SC-2~~ EXC-2 TCR
Collection Date: 7/23/2012 10:11:00 AM
Matrix: MEOH (SOIL) **Received Date:** 7/24/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	460	200		mg/Kg	20	7/24/2012 12:03:40 PM
Surr: DNOP	0	77.6-140	S	%REC	20	7/24/2012 12:03:40 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	3500	1000		mg/Kg	200	7/25/2012 2:21:59 PM
Surr: BFB	134	84-116	S	%REC	200	7/25/2012 2:21:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	3.1	1.0		mg/Kg	20	7/24/2012 1:03:26 PM
Toluene	130	10		mg/Kg	200	7/24/2012 2:58:37 PM
Ethylbenzene	31	1.0		mg/Kg	20	7/24/2012 1:03:26 PM
Xylenes, Total	380	20		mg/Kg	200	7/24/2012 2:58:37 PM
Surr: 4-Bromofluorobenzene	110	80-120		%REC	200	7/24/2012 2:58:37 PM

Qualifiers:

*X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal <MDL

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1207A27**

02-Aug-12

Client: Animas Environmental Services

Project: Enterprise Atlantic Fruitland 24 Com #2

Sample ID **MB-2983**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **2983**	RunNo: **4371**
Prep Date: **7/23/2012**	Analysis Date: **7/24/2012**	SeqNo: **121772** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	10		10.00		105	77.6	140			

Sample ID **LCS-2983**	SampType: **LCS**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **2983**	RunNo: **4371**
Prep Date: **7/23/2012**	Analysis Date: **7/24/2012**	SeqNo: **121845** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.5	52.6	130			
Surr: DNOP	4.0		5.000		79.7	77.6	140			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1207A27**

02-Aug-12

Client: Animas Environmental Services

Project: Enterprise Atlantic Fruitland 24 Com #2

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **PBS**	Batch ID: **R4415**	RunNo: **4415**
Prep Date:	Analysis Date: **7/25/2012**	SeqNo: **123776** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.5	84	116			

Sample ID **2.5UG GRO LCSB**	SampType: **LCS**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R4415**	RunNo: **4415**
Prep Date:	Analysis Date: **7/25/2012**	SeqNo: **123777** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	85	115			
Surr: BFB	1000		1000		103	84	116			

Sample ID **1207A80-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **R4415**	RunNo: **4415**
Prep Date:	Analysis Date: **7/25/2012**	SeqNo: **123779** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	89	25	93.31	0	95.2	70	130			
Surr: BFB	3800		3732		103	84	116			

Sample ID **1207A80-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **BatchQC**	Batch ID: **R4415**	RunNo: **4415**
Prep Date:	Analysis Date: **7/25/2012**	SeqNo: **123780** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	89	25	93.31	0	95.1	70	130	0.168	22.1	
Surr: BFB	3900		3732		104	84	116	0	0	

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1207A27**

02-Aug-12

Client: Animas Environmental Services

Project: Enterprise Atlantic Fruitland 24 Com #2

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R4394**	RunNo: **4394**
Prep Date:	Analysis Date: **7/24/2012**	SeqNo: **122941** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R4394**	RunNo: **4394**
Prep Date:	Analysis Date: **7/24/2012**	SeqNo: **122942** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	101	76.3	117			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	77	116			
Xylenes, Total	3.1	0.10	3.000	0	104	76.7	117			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R4415**	RunNo: **4415**
Prep Date:	Analysis Date: **7/25/2012**	SeqNo: **123873** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R4415**	RunNo: **4415**
Prep Date:	Analysis Date: **7/25/2012**	SeqNo: **123874** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID **1207A80-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BatchQC**	Batch ID: **R4415**	RunNo: **4415**
Prep Date:	Analysis Date: **7/25/2012**	SeqNo: **123876** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	4.1		3.733		109	80	120			

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1207A27**

02-Aug-12

Client: Animas Environmental Services

Project: Enterprise Atlantic Fruitland 24 Com #2

Sample ID **1207A80-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BatchQC**	Batch ID: **R4415**	RunNo: **4415**
Prep Date:	Analysis Date: **7/25/2012**	SeqNo: **123877** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	4.1		3.733		110	80	120	0	0	

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental | Work Order Number: 1207A27

Received by/date: 07/24/12

Logged By: Ashley Gallegos 7/24/2012 10:00:00 AM

Completed By: Ashley Gallegos 7/24/2012 10:05:47 AM

Reviewed By: 07/24/12

Chain of Custody

1. Were seals intact?	Yes	No	Not Present ✔
2. Is Chain of Custody complete?	Yes ✔	No	Not Present
3. How was the sample delivered?	Courier		

Log In

4. Coolers are present? (see 19. for cooler specific information)	Yes ✔	No	NA
5. Was an attempt made to cool the samples?	Yes ✔	No	NA
6. Were all samples received at a temperature of >0° C to 6.0°C	Yes ✔	No	NA
7. Sample(s) in proper container(s)?	Yes ✔	No	
8. Sufficient sample volume for indicated test(s)?	Yes ✔	No	
9. Are samples (except VOA and ONG) properly preserved?	Yes ✔	No	
10. Was preservative added to bottles?	Yes	No ✔	NA
11. VOA vials have zero headspace?	Yes	No	No VOA Vials ✔
12. Were any sample containers received broken?	Yes	No ✔	
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✔	No	# of preserved bottles checked for pH:
14. Are matrices correctly identified on Chain of Custody?	Yes ✔	No	(<2 or >12 unless noted)
15. Is it clear what analyses were requested?	Yes ✔	No	Adjusted?
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✔	No	Checked by:

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA ✔

Person Notified: Date:

By Whom: Via: eMail Phone Fax In Person

Regarding:

Client Instructions:

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.0	Good	Yes			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: Animas Env Services	Turn-Around Time: ☑ Standard ☐ Rush Same Day
Mailing Address: 624 E. Comanche Farmington NM	Project Name: Enterprise Atlantic Frutland 24 Com #2
Phone #: 505-564-2281	Project #:
email or Fax#:	Project Manager: Tami Ross
QA/QC Package: ☑ Standard ☐ Level 4 (Full Validation)	Sampler: Thomas Long
Accreditation: ☐ NELAP ☐ Other	On Ice: ☑ Yes ☐ No
☐ EDD (Type)	Sample Temperature: 3.5

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1206452	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)
7-23-12	1010	Soil	SC-1 UC-1 TCR	4oz Jar	Ice	-001	X		X								
↓	1011	↓	SC-2 FC-2 TCR	↓	↓	-002	X		X								

Date	Time	Relinquished by:	Received by:	Date	Time
7-23-12	1637	Thomas Long	Christine Walker	7/23/12	1637
7/23/12	1648	Christine Walker		07/24/12	10:00

Remarks: Bill To Enterprise

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

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

August 15, 2012

Ross Kennemer

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-1776
FAX (505) 324-2022

RE: Enterprise Atlantic Fruitland 24 Com #2 OrderNo.: 1208396

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/9/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1208396**
Date Reported: **8/15/2012**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: Enterprise Atlantic Fruitland 24 Com #2
Lab ID: 1208396-001 **Matrix:** SOIL

Client Sample ID: SC-1
Collection Date: 8/8/2012 2:20:00 PM
Received Date: 8/9/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JMP**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/11/2012 7:24:22 PM
Surr: DNOP	105	77.6-140		%REC	1	8/11/2012 7:24:22 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/13/2012 2:57:59 PM
Surr: BFB	102	84-116		%REC	1	8/13/2012 2:57:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.047		mg/Kg	1	8/13/2012 2:57:59 PM
Toluene	ND	0.047		mg/Kg	1	8/13/2012 2:57:59 PM
Ethylbenzene	ND	0.047		mg/Kg	1	8/13/2012 2:57:59 PM
Xylenes, Total	0.24	0.095		mg/Kg	1	8/13/2012 2:57:59 PM
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	8/13/2012 2:57:59 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-2
Project: Enterprise Atlantic Fruitland 24 Com #2
Collection Date: 8/8/2012 2:35:00 PM
Lab ID: 1208396-002
Matrix: SOIL
Received Date: 8/9/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JMP**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/11/2012 7:50:31 PM
Surr: DNOP	107	77.6-140		%REC	1	8/11/2012 7:50:31 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	80	4.6		mg/Kg	1	8/13/2012 3:26:46 PM
Surr: BFB	311	84-116	S	%REC	1	8/13/2012 3:26:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.046		mg/Kg	1	8/13/2012 3:26:46 PM
Toluene	0.21	0.046		mg/Kg	1	8/13/2012 3:26:46 PM
Ethylbenzene	0.19	0.046		mg/Kg	1	8/13/2012 3:26:46 PM
Xylenes, Total	2.7	0.092		mg/Kg	1	8/13/2012 3:26:46 PM
Surr: 4-Bromofluorobenzene	124	80-120	S	%REC	1	8/13/2012 3:26:46 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-3
Project: Enterprise Atlantic Fruitland 24 Com #2
Collection Date: 8/8/2012 3:15:00 PM
Lab ID: 1208396-003 **Matrix:** SOIL **Received Date:** 8/9/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JMP**
Diesel Range Organics (DRO)	32	9.6		mg/Kg	1	8/11/2012 8:16:40 PM
Surr: DNOP	105	77.6-140		%REC	1	8/11/2012 8:16:40 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	160	4.8		mg/Kg	1	8/13/2012 3:55:30 PM
Surr: BFB	493	84-116	S	%REC	1	8/13/2012 3:55:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.050	0.048		mg/Kg	1	8/13/2012 3:55:30 PM
Toluene	1.9	0.048		mg/Kg	1	8/13/2012 3:55:30 PM
Ethylbenzene	0.64	0.048		mg/Kg	1	8/13/2012 3:55:30 PM
Xylenes, Total	10	0.097		mg/Kg	1	8/13/2012 3:55:30 PM
Surr: 4-Bromofluorobenzene	139	80-120	S	%REC	1	8/13/2012 3:55:30 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-4
Project: Enterprise Atlantic Fruitland 24 Com #2
Collection Date: 8/8/2012 3:40:00 PM
Lab ID: 1208396-004 **Matrix:** SOIL **Received Date:** 8/9/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JMP**
Diesel Range Organics (DRO)	70	10		mg/Kg	1	8/11/2012 8:42:32 PM
Surr: DNOP	109	77.6-140		%REC	1	8/11/2012 8:42:32 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	330	9.9		mg/Kg	2	8/13/2012 4:24:14 PM
Surr: BFB	454	84-116	S	%REC	2	8/13/2012 4:24:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.24	0.099		mg/Kg	2	8/13/2012 4:24:14 PM
Toluene	8.5	0.099		mg/Kg	2	8/13/2012 4:24:14 PM
Ethylbenzene	2.0	0.099		mg/Kg	2	8/13/2012 4:24:14 PM
Xylenes, Total	22	0.20		mg/Kg	2	8/13/2012 4:24:14 PM
Surr: 4-Bromofluorobenzene	139	80-120	S	%REC	2	8/13/2012 4:24:14 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-5
Project: Enterprise Atlantic Fruitland 24 Com #2
Collection Date: 8/8/2012 3:08:00 PM
Lab ID: 1208396-005 **Matrix:** SOIL **Received Date:** 8/9/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **JMP**
Diesel Range Organics (DRO)	29	10		mg/Kg	1	8/11/2012 9:08:26 PM
Surr: DNOP	108	77.6-140		%REC	1	8/11/2012 9:08:26 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	270	5.0		mg/Kg	1	8/13/2012 4:52:59 PM
Surr: BFB	910	84-116	S	%REC	1	8/13/2012 4:52:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	0.12	0.050		mg/Kg	1	8/13/2012 4:52:59 PM
Toluene	4.4	0.050		mg/Kg	1	8/13/2012 4:52:59 PM
Ethylbenzene	1.6	0.050		mg/Kg	1	8/13/2012 4:52:59 PM
Xylenes, Total	19	0.99		mg/Kg	10	8/14/2012 1:01:05 PM
Surr: 4-Bromofluorobenzene	164	80-120	S	%REC	1	8/13/2012 4:52:59 PM

Qualifiers:

*/X	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	U	Samples with CalcVal < MDL

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1208396**

15-Aug-12

Client: Animas Environmental Services

Project: Enterprise Atlantic Fruitland 24 Com #2

Sample ID **MB-3264**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **3264**	RunNo: **4775**
Prep Date: **8/9/2012**	Analysis Date: **8/10/2012**	SeqNo: **134569** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.7		10.00		96.9	77.6	140			

Sample ID **LCS-3264**	SampType: **LCS**	TestCode: **EPA Method 8015B: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **3264**	RunNo: **4775**
Prep Date: **8/9/2012**	Analysis Date: **8/10/2012**	SeqNo: **134693** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	10	50.00	0	76.0	52.6	130			
Surr: DNOP	5.3		5.000		106	77.6	140			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1208396**

15-Aug-12

Client: Animas Environmental Services

Project: Enterprise Atlantic Fruitland 24 Com #2

Sample ID **MB-3276**	SampType: **MBLK**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **PBS**	Batch ID: **3276**	RunNo: **4824**
Prep Date: **8/10/2012**	Analysis Date: **8/13/2012**	SeqNo: **136714** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	84	116			

Sample ID **LCS-3276**	SampType: **LCS**	TestCode: **EPA Method 8015B: Gasoline Range**
Client ID: **LCSS**	Batch ID: **3276**	RunNo: **4824**
Prep Date: **8/10/2012**	Analysis Date: **8/13/2012**	SeqNo: **136715** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.1	85	115			
Surr: BFB	1000		1000		104	84	116			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1208396**

15-Aug-12

Client: Animas Environmental Services

Project: Enterprise Atlantic Fruitland 24 Com #2

Sample ID **MB-3276**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **3276**	RunNo: **4824**
Prep Date: **8/10/2012**	Analysis Date: **8/13/2012**	SeqNo: **136741** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID **LCS-3276**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **3276**	RunNo: **4824**
Prep Date: **8/10/2012**	Analysis Date: **8/13/2012**	SeqNo: **136742** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.050	1.000	0	99.4	76.3	117			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	77	116			
Xylenes, Total	3.1	0.10	3.000	0	103	76.7	117			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Animas Environmental** Work Order Number: **1208396**

Received by/date: 08/09/12

Logged By: **Lindsay Mangin** 8/9/2012 10:00:00 AM

Completed By: **Lindsay Mangin** 8/9/2012 10:32:20 AM

Reviewed By: 08/09/12

Chain of Custody

1. Were seals intact?	Yes	No	Not Present ✓
2. Is Chain of Custody complete?	Yes ✓	No	Not Present
3. How was the sample delivered?	Courier		

Log In

4. Coolers are present? (see 19. for cooler specific information)	Yes ✓	No	NA
5. Was an attempt made to cool the samples?	Yes ✓	No	NA
6. Were all samples received at a temperature of >0° C to 6.0°C	Yes ✓	No	NA
7. Sample(s) in proper container(s)?	Yes ✓	No	
8. Sufficient sample volume for indicated test(s)?	Yes ✓	No	
9. Are samples (except VOA and ONG) properly preserved?	Yes ✓	No	
10. Was preservative added to bottles?	Yes	No ✓	NA
11. VOA vials have zero headspace?	Yes	No	No VOA Vials ✓
12. Were any sample containers received broken?	Yes	No ✓	
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ✓	No	# of preserved bottles checked for pH:
14. Are matrices correctly identified on Chain of Custody?	Yes ✓	No	(<2 or >12 unless noted)
15. Is it clear what analyses were requested?	Yes ✓	No	Adjusted?
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ✓	No	Checked by:

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes No NA ✓

Person Notified: Date:

By Whom: Via: eMail Phone Fax In Person

Regarding:

Client Instructions:

18. Additional remarks:

19. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			