



November 12, 2014

Jim Griswold
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Site Assessment Report May and June 2014
Benson-Montin-Greer
Highway 537 Truck Receiving Station
Rio Arriba County, New Mexico**

Dear Mr. Griswold:

On behalf of Benson-Montin-Greer Drilling Corporation (BMG), Animas Environmental Services, LLC (AES) has prepared this report for the May 2014 excavation assessment and June 2014 Geoprobe assessment at the BMG Highway 537 Truck Receiving Station. The assessment was requested by BMG as part of a contract condition in terminating the property lease.

1.0 Site Information

The BMG Highway 537 Truck Receiving Station consisted of eight 500 barrel (bbl) oil storage tanks, one 600 bbl oil storage tank, one 80 bbl open top waste tank, and various pumps and meters associated with crude oil transport truck loading, unloading, and pipeline transport. Surface ownership consists of private land owned by the Schmitz Ranch.

1.1 Site Location

The Hwy 537 Truck Receiving Station is located along the south side of NM State Highway 537 and is adjacent to the wash in Los Ojitos Canyon, which eventually drains to Largo Canyon. The facility is described legally as being located at SW¼ NW¼ Section 18, T25N, R3W, in Rio Arriba County, New Mexico. Latitude and longitude were recorded as N36.39866 and W107.19328, respectively. A Topographic Site Location Map, based on an excerpt from the United States Geological Survey (USGS) 7.5-minute Schmitz Ranch, Rio Arriba County, New Mexico topographic quadrangle (USGS 1963), is presented as Figure 1. An Aerial Site

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

1911 Main, Ste 280
Durango, CO
970-403-3084

Map with a site plan, including existing monitor wells, is included as Figure 2.

1.2 Past Release History

On January 29, 2009, a Western Refining truck driver discovered crude condensate within the bermed area around the storage tanks, on the south side of Tank #1. On January 30, 2009, TNT used a trackhoe to excavate an area (10 feet by 20 feet by 15 feet in depth) around the buried 6-inch line. The release was found to be the result of a corrosion hole along the bottom of the pipe near the truck loading pumps. Because it was determined that the leak had impacted soils to at least 15 feet below ground surface (bgs), and due to the presence of tanks, buried pipe, buried conduit, and fixed pumps and meters within the release area, BMG and AES, in consultation with NMOCD, concluded that an assessment of the release area by installing soil borings and monitor wells would be the most appropriate assessment method.

On February 2, 2009, the 6-inch line was repaired, and the excavation was backfilled with clean fill material. Approximately 100 cubic yards of contaminated soil were transported to the TNT Landfarm for disposal. From February 16 through 20, 2009, site investigation activities were conducted by AES in order to delineate the full extent of petroleum hydrocarbon impact on surface and subsurface soils and groundwater resulting from the release. The investigation procedures included the installation of 11 monitor wells (MW-1 through MW-11) and collection of soil and groundwater samples. Work was completed in accordance with the *Sampling and Analysis Plan* prepared by AES and dated February 3, 2009, and also in accordance with U.S. Environmental Protection Agency (USEPA) Environmental Response Team's Standard Operating Procedures (SOPs), and applicable American Society of Testing and Materials (ASTM) standards. Details of the site investigation are included in the *AES Site Investigation Report* submitted to NMOCD in April 2009 and in subsequent monitoring reports submitted to NMOCD.

2.0 Site Assessment for Lease Termination – May and June 2014

On May 12 and June 4, 2014, AES conducted a site assessment on behalf of BMG as part of termination of the site lease. The work included soil sampling during the excavation of hydrocarbon contaminated soils that were discovered when the storage tanks and truck loading station were removed from the site, and a subsequent assessment of subsurface soils, utilizing a Geoprobe. Approximately 600 cubic yards of petroleum impacted soil were removed from the excavated areas and transported to the BMG Landfarm by TPC, LLC.

2.1 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 40 based on the following factors:

- **Depth to Groundwater:** The average depth to groundwater in the 11 monitoring wells on site is 28.37 feet. (20 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** The wash in Los Ojitos Canyon is located approximately 135 feet south of the location. (20 points)

2.2 Soil Sampling – Field Sampling and Laboratory Analyses

On May 12, 2014, a total of 11 composite (SC-1 through SC-11) soil samples were collected from the two discrete areas of excavation. Samples were collected from each wall (i.e. north, south, east, and west) and base of both excavations and from the center trench. All soil samples were field-screened for volatile organic carbons (VOCs) and total petroleum hydrocarbons (TPH). Excavation area extents and the sample locations from May 2014 are shown on Figure 3.

On June 4, 2014, a total of 59 discrete soil samples from 20 Geoprobe borings (SB-1 through SB-20) were collected as part of further investigating petroleum contaminated soils at the site. Soil borings were advanced to between 8 and 20 feet bgs to avoid intersecting the water table. Soil samples were field-screened for VOCs, and selected samples were also field-analyzed for TPH. One composite sample from the storage tank area collected during the June assessment was submitted for confirmation laboratory analysis. The soil boring locations are shown in Figure 4.

2.2.1 Volatile Organic Compounds

Field screening for VOC vapors 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.

2.2.2 Total Petroleum Hydrocarbons

Field TPH samples were analyzed per U.S. Environmental Protection Agency (USEPA) Method 418.1 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*.

2.2.3 Laboratory Analyses

The soil samples collected for laboratory analysis were placed in 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. All soil samples were laboratory analyzed for:

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

2.3 Field and Laboratory Analytical Results

2.3.1 Field Results

On May 12, 2014, excavation assessment field screening results for VOCs via OVM showed concentrations ranging from 2.9 ppm in SC-9 up to 368 ppm in SC-11. Field TPH concentrations ranged from 28.6 mg/kg in SC-6 up to 2,350 mg/kg in SC-7. Field sampling results are presented in Table 1 and on Figure 3.

On June 4, 2014, assessment results for VOCs via OVM ranged from 0.0 ppm in SB-1, SB-2, SB-4, and SB-6 up to greater than 5,000 ppm in SB-11 through SB-14, SB-18, and SB-19. Field TPH concentrations ranged from 28.1 mg/kg in SB-1 up to greater than 2,500 mg/kg in SB-12 and SB-19. Results are included in Table 1 and on Figure 4. The AES Field Sampling Reports are included in the appendix.

2.3.2 Laboratory Analytical Results

For confirmation purposes, a composite sample was collected from the tank area excavation for laboratory analyses to confirm the field screening results obtained on June 4, 2014. The composite sample consisted of samples collected from SB-1 through SB-8 from the interval 4 to 8 feet. Laboratory analytical results reported that benzene concentrations were below laboratory detection limits, and total BTEX concentrations were less than 0.14 mg/kg. TPH concentrations were reported as less than 2.8 mg/kg (GRO) and 26 mg/kg (DRO). Results are presented in Table 2 and on Figure 4. The laboratory analytical report is included in the appendix.

2.4 Conclusions, Mitigation Efforts and Scheduled Site Activities

2.4.1 Conclusions

On May 12 and June 4, 2014, AES conducted a contaminated soils site assessment on behalf of BMG as part of termination of the property lease. The work included excavation clearance and soil boring assessment of two discrete areas, along with associated field sampling and laboratory analyses.

Former Tank Area

Under the former tank area, the field screening results for VOCs via OVM ranged from 0.0 ppm in SB-1, SB-2, SB-4, and SB-6 up to 1,048 ppm in SB-5 (8 to 12 ft). With the exception of SB-5, VOC concentrations in the tank area borings were below the NMOCD action level of 100 ppm VOCs. Field TPH concentrations were also below the NMOCD action level of 100 mg/kg in all borings, with the exception of SB-5, in which the highest TPH concentration was noted at 225 mg/kg (12 to 16 ft bgs). The remaining intervals in SB-5 had TPH concentrations of 61.5 mg/kg (4 to 8 ft and 8 to 12 ft bgs) and 69.2 mg/kg (16 to 20 ft bgs). With the exception of SB-5, residual contaminant concentrations below the former tank area are below applicable NMOCD action levels for VOCs and TPH.

Former Truck Loading Station

Under the former loading area, the field screening results for VOCs via OVM ranged from 0.3 in SB-15, SB-16, SB-17 and SB-20 up to greater than 5,000 ppm in SB-11 through SB-14, SB-18, and SB-19. Field TPH concentrations were also reported above the NMOCD action level of 100 mg/kg. Based on VOC and TPH concentrations, residual contaminants in subsurface soils are still present at the former truck loading station area and former pump area.

2.4.2 Mitigation Efforts

In an effort to expedite remediation of residual vapors, soil concentrations and free product at the site, AES installed a Remediation Service International (RSI) mobile extraction and treatment system on August 4, 2014. The RSI unit is currently extracting from existing MW-1, which is located in the area between the former pumps and loading station.

2.4.3 Scheduled Site Activities

AES recommends running the RSI unit on a bi-weekly basis until December 2014 and then taking the unit off-line during the winter months. Results of the MPE system operations will be summarized in the Periodic Progress Report 4th Quarter 2014. Additionally, AES is currently reviewing options to continue remediation during winter months.

Additional site characterization of the lateral and vertical extent of impacted soils in the former truck loading station area (beyond the site characterization work completed in 2009) is also recommended.

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



Brent Everett, M.S.
Sr. Hydrogeologist/Project Manager



Ross Kennemer
Principal

Attachments

Tables

- Table 1. Field Sampling Report
- Table 2. Laboratory Analytical Results

Figures

- Figure 1. Topographic Location Map
- Figure 2. Aerial Site Map
- Figure 3. Release Assessment Sample Locations and Results, May 2014
- Figure 4. Release Assessment Sample Locations and Results, June 2014

Appendix

- AES Field Sampling Reports (May 12, 2014 and June 4, 2014)
- Laboratory Analytical Reports (Hall Nos. 1406812)

cc: Mike Dimond
Zach Stradling
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New Mexico Oil Conservation Division
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Aztec, NM 87410

C:\Users\beverett\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM (1)\2014
Projects\BMG\Hwy 537 2014 Rel and Excavation\Reports and Workplans\BMG Excavation Assessment 2014
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Tables

TABLE 1
FIELD SAMPLING VOC AND TPH RESULTS
BMG HWY 537 2009 RELEASE ASSESSMENT
MAY AND JUNE 2014

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs (ppm)</i>	<i>Field TPH (mg/kg)</i>
Analytical Method			PID-OVM	418.1
NMOC Action Level*			100	100
SC-1	5/12/2014	1-3	9.8	746
SC-2	5/12/2014	1-3	9.2	734
SC-3	5/12/2014	1-3	99.6	323
SC-4	5/12/2014	1-3	64.1	374
SC-5	5/12/2014	2-3	211	1,030
SC-6	5/12/2014	4	2.4	28.6
SC-7	5/12/2014	1-3	189	2,346
SC-8	5/12/2014	1-3	21.1	1,528
SC-9	5/12/2014	1-3	2.9	1,770
SC-10	5/12/2014	1-3	257	971
SC-11	5/12/2014	2-3	368	821
SB-1	6/4/2014	4-8	0.7	35.8
		8-12	0.0	35.8
		12-16	0.1	28.1
SB-2	6/4/2014	4-8	0.0	35.4
		8-12	0.0	NA
SB-3	6/4/2014	4-8	0.1	41.0
		8-12	0.3	NA
SB-4	6/4/2014	4-8	0.1	76.9
		8-12	0.0	NA
SB-5	6/4/2014	4-8	102	61.5
		8-12	1,048	61.5
		12-16	NA	225
		16-20	1,040	69.2
SB-6	6/4/2014	4-8	0.9	43.5
		8-12	0.2	NA
		12-16	0.0	44.8
SB-7	6/4/2014	4-8	20.6	55.1
		8-12	10.9	35.8
SB-8	6/4/2014	4-8	33.4	89.8
		8-12	10.4	34.6
SB-9	6/4/2014	4-8	0.3	NA
		8-12	0.3	NA
		12-16	1.9	44.8

TABLE 1
FIELD SAMPLING VOC AND TPH RESULTS
BMG HWY 537 2009 RELEASE ASSESSMENT
MAY AND JUNE 2014

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs (ppm)</i>	<i>Field TPH (mg/kg)</i>
Analytical Method			PID-OVM	418.1
NMOCD Action Level*			100	100
SB-10	6/4/2014	4-8	1.4	NA
		8-12	2.3	NA
		12-16	2.2	41.0
SB-11	6/4/2014	4-8	>5,000	NA
		8-12	>5,000	NA
		12-16	>5,000	NA
		16-20	>5,000	692
SB-12	6/4/2014	4-8	>5,000	NA
		8-12	>5,000	NA
		12-16	>5,000	NA
		16-20	>5,000	>2,500
SB-13	6/4/2014	4-8	>5,000	NA
		8-12	>5,000	NA
		12-16	>5,000	NA
		16-20	>5,000	NA
SB-14	6/4/2014	4-8	>5,000	NA
		8-12	2,800	NA
		12-16	23.6	41.0
		16-20	22.4	NA
SB-15	6/4/2014	0-4	4.1	NA
		4-8	4.1	NA
		8-12	1.5	35.8
SB-16	6/4/2014	0-4	0.3	NA
		4-8	1.2	NA
		8-12	3.2	NA
SB-17	6/4/2014	0-4	55.9	NA
		4-8	3.5	NA
		8-12	4.5	NA
SB-18	6/4/2014	0-4	13.2	NA
		4-8	>5000	NA
SB-19	6/4/2014	0-4	1.3	NA
		4-8	96.1	NA
		8-12	>5,000	>2,500
SB-20	6/4/2014	0-4	1.2	NA
		4-8	1.1	NA
		8-12	0.8	NA

TABLE 1
 FIELD SAMPLING VOC AND TPH RESULTS
 BMG HWY 537 2009 RELEASE ASSESSMENT
 MAY AND JUNE 2014

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>VOCs (ppm)</i>	<i>Field TPH (mg/kg)</i>
<i>Analytical Method</i>			PID-OVM	418.1
<i>NMOCD Action Level*</i>			100	100

NOTE: NA = Not Analyzed

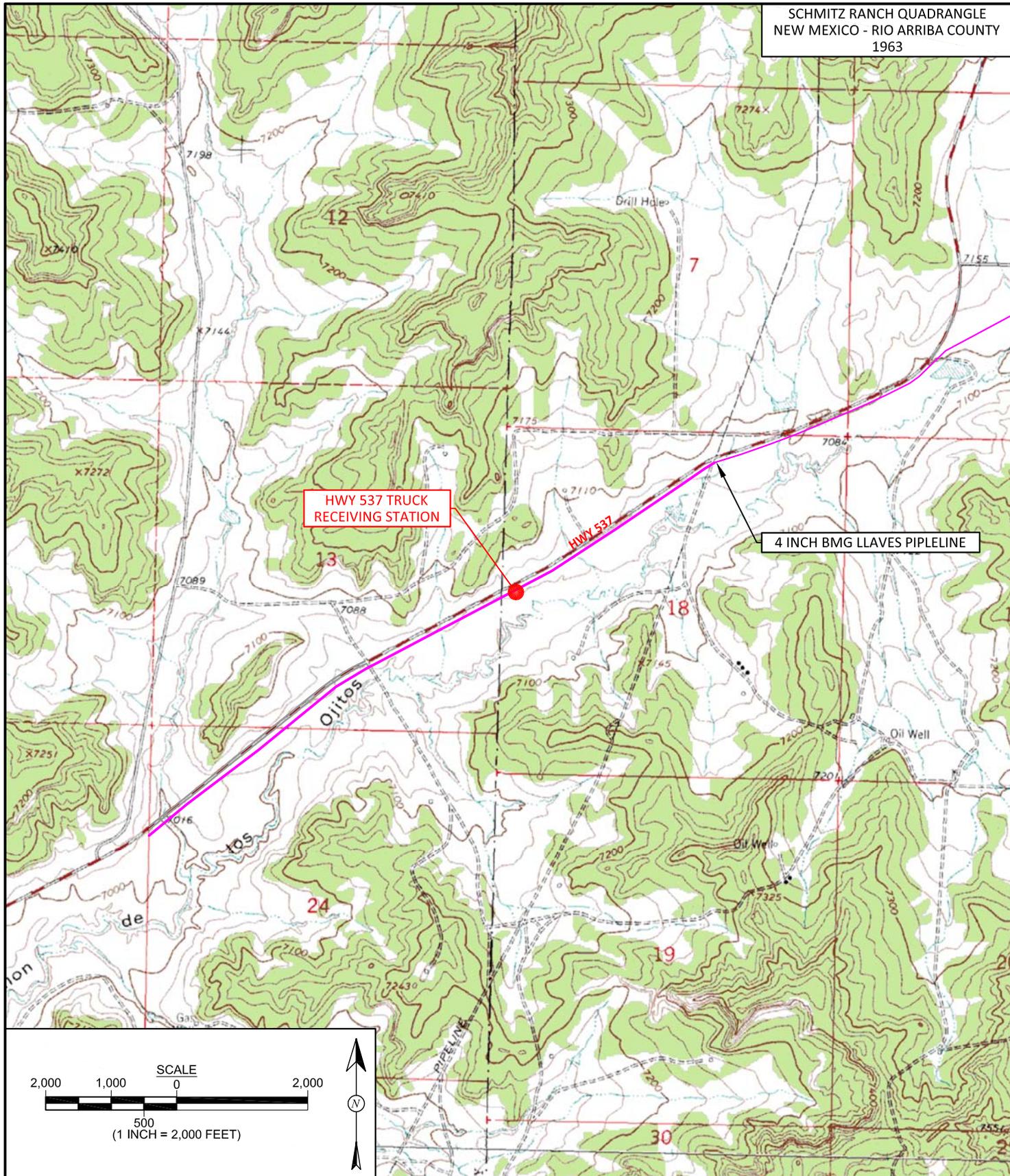
*Action level determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993)

TABLE 2. SUMMARY OF GROUNDWATER LABORATORY ANALYTICALS RESULTS
 Bendon-Montin-Greer 2009 Truck Receiver Station Excavation Clearance, Rio Arriba County, New
 Mexico

<i>Sample ID</i>	<i>Sample Depth (ft bgs)</i>	<i>Date Sampled</i>	<i>Benzene (mg/kg)</i>	<i>Total BTEX (mg/kg)</i>	<i>GRO (mg/kg)</i>	<i>DRO (mg/kg)</i>
NMOCD Action Level*			10	50	100	100
Tank Composite	4 to 8	6/4/14	<0.028	<0.14	<2.8	26

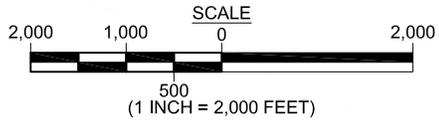
Notes: *Action level determined by the NMOCD ranking score per
NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)
 Tank Composite was a composite sample of SB-1 through SB-8 at 4 to 8 feet bgs

Figures



HWY 537 TRUCK RECEIVING STATION

4 INCH BMG LLAVES PIPELINE



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: May 28, 2014
REVISIONS BY: C. Lameman	DATE REVISED: October 7, 2014
CHECKED BY: B. Everett	DATE CHECKED: October 7, 2014
APPROVED BY: E. McNally	DATE APPROVED: October 7, 2014

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
 BENSON-MONTIN-GREER
 LLAVES PIPELINE HWY. 537
 TRUCK RECEIVING STATION
 2014 EXCAVATION ASSESSMENT
 SW ¼ NW ¼ SECTION 18, T25N, R3W
 RIO ARRIBA COUNTY, NEW MEXICO
 N36.39866, W107.19328



AERIAL SOURCE: © 2014 GOOGLE EARTH PRO, AERIAL DATE: MAY 2, 2013.



Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: May 28, 2014
REVISIONS BY: C. Lameman	DATE REVISED: October 7, 2014
CHECKED BY: B. Everett	DATE CHECKED: October 7, 2014
APPROVED BY: E. McNally	DATE APPROVED: October 7, 2014

FIGURE 2

AERIAL SITE MAP
 BENSON-MONTIN-GREER
 LLAVES PIPELINE HWY. 537
 TRUCK RECEIVING STATION
 2014 EXCAVATION ASSESSMENT
 SW ¼ NW ¼ SECTION 18, T25N, R3W
 RIO ARRIBA COUNTY, NEW MEXICO
 N36.39866, W107.19328

FIGURE 3

EXCAVATION AREA SAMPLE LOCATIONS AND RESULTS, MAY 2014

BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION
2014 EXCAVATION ASSESSMENT
SW ¼ NW ¼ SECTION 18, T25N, R3W
RIO ARriba COUNTY, NEW MEXICO
N36.39866, W107.19328

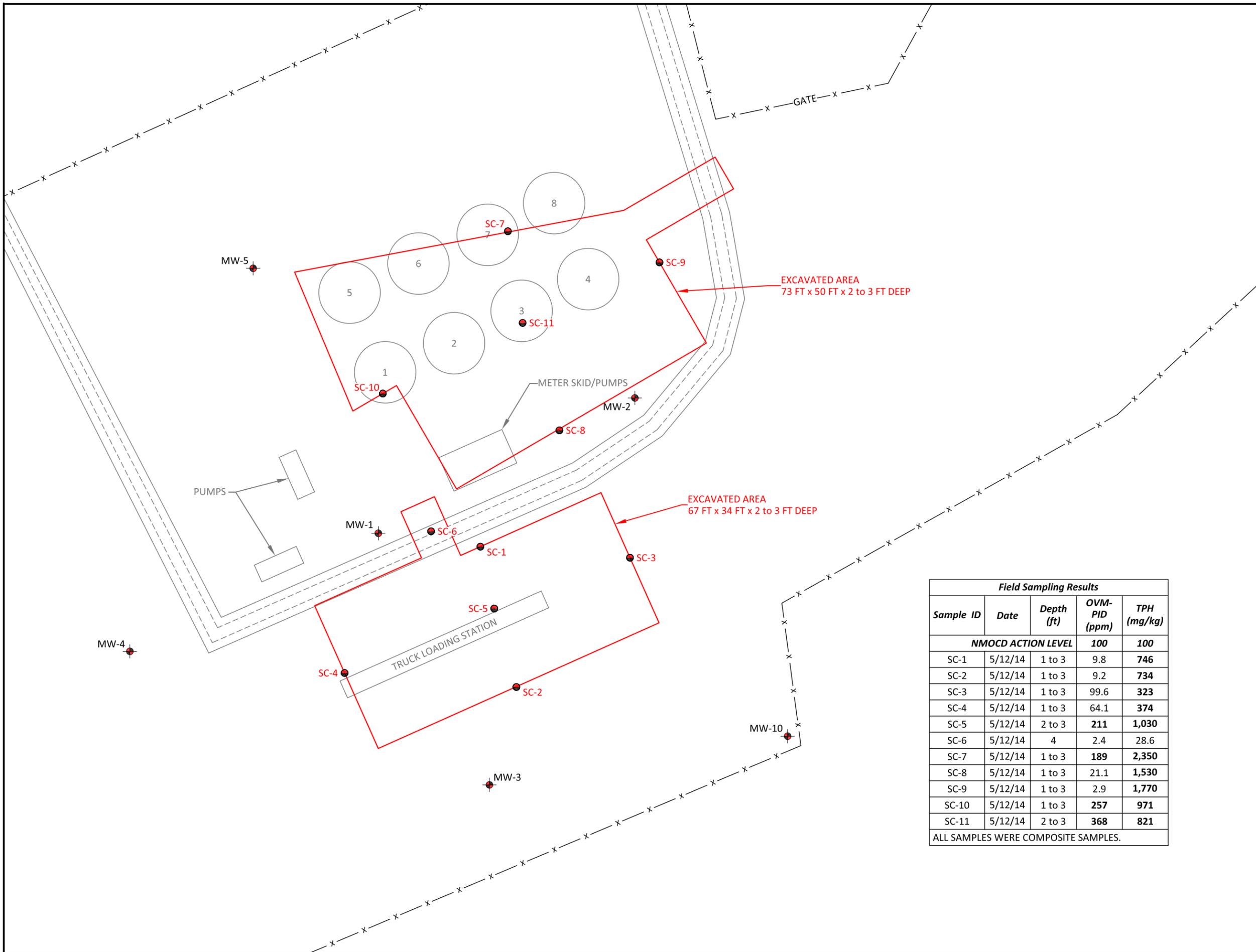


Animas Environmental Services, LLC

DRAWN BY: C. Lameman	DATE DRAWN: May 29, 2014
REVISIONS BY: C. Lameman	DATE REVISED: October 7, 2014
CHECKED BY: B. Everett	DATE CHECKED: October 7, 2014
APPROVED BY: E. McNally	DATE APPROVED: October 7, 2014

LEGEND

- SAMPLE LOCATIONS
- MONITOR WELL LOCATION
- FORMER SECONDARY CONTAINMENT BERM
- FENCE



Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SC-1	5/12/14	1 to 3	9.8	746
SC-2	5/12/14	1 to 3	9.2	734
SC-3	5/12/14	1 to 3	99.6	323
SC-4	5/12/14	1 to 3	64.1	374
SC-5	5/12/14	2 to 3	211	1,030
SC-6	5/12/14	4	2.4	28.6
SC-7	5/12/14	1 to 3	189	2,350
SC-8	5/12/14	1 to 3	21.1	1,530
SC-9	5/12/14	1 to 3	2.9	1,770
SC-10	5/12/14	1 to 3	257	971
SC-11	5/12/14	2 to 3	368	821

ALL SAMPLES WERE COMPOSITE SAMPLES.

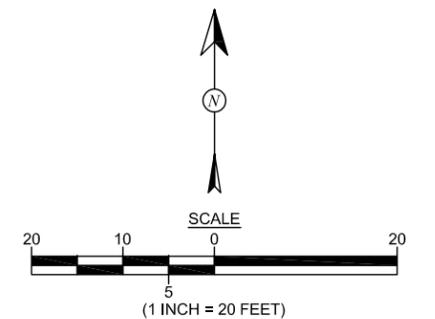


FIGURE 4

RELEASE ASSESSMENT SAMPLE LOCATIONS AND RESULTS, JUNE 2014

BENSON-MONTIN-GREER
LLAVES PIPELINE HWY. 537
TRUCK RECEIVING STATION
2014 EXCAVATION ASSESSMENT
SW ¼ NW ¼ SECTION 18, T25N, R3W
RIO ARriba COUNTY, NEW MEXICO
N36.39866, W107.19328



Animas Environmental Services, LLC

DRAWN BY: C. Lameman
DATE DRAWN: June 9, 2014

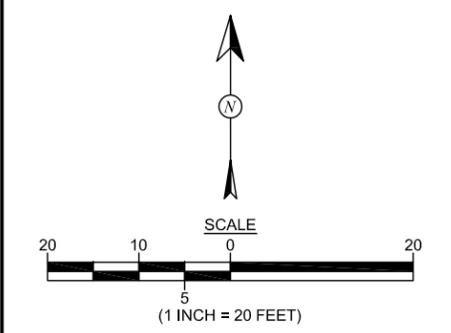
REVISIONS BY: C. Lameman
DATE REVISED: June 9, 2014

CHECKED BY: B. Everett
DATE CHECKED: October 6, 2014

APPROVED BY: E. McNally
DATE APPROVED: October 6, 2014

LEGEND

- SOIL BORING LOCATIONS
- EXISTING MONITOR WELL LOCATION
- FORMER SECONDARY CONTAINMENT BERM
- FENCE



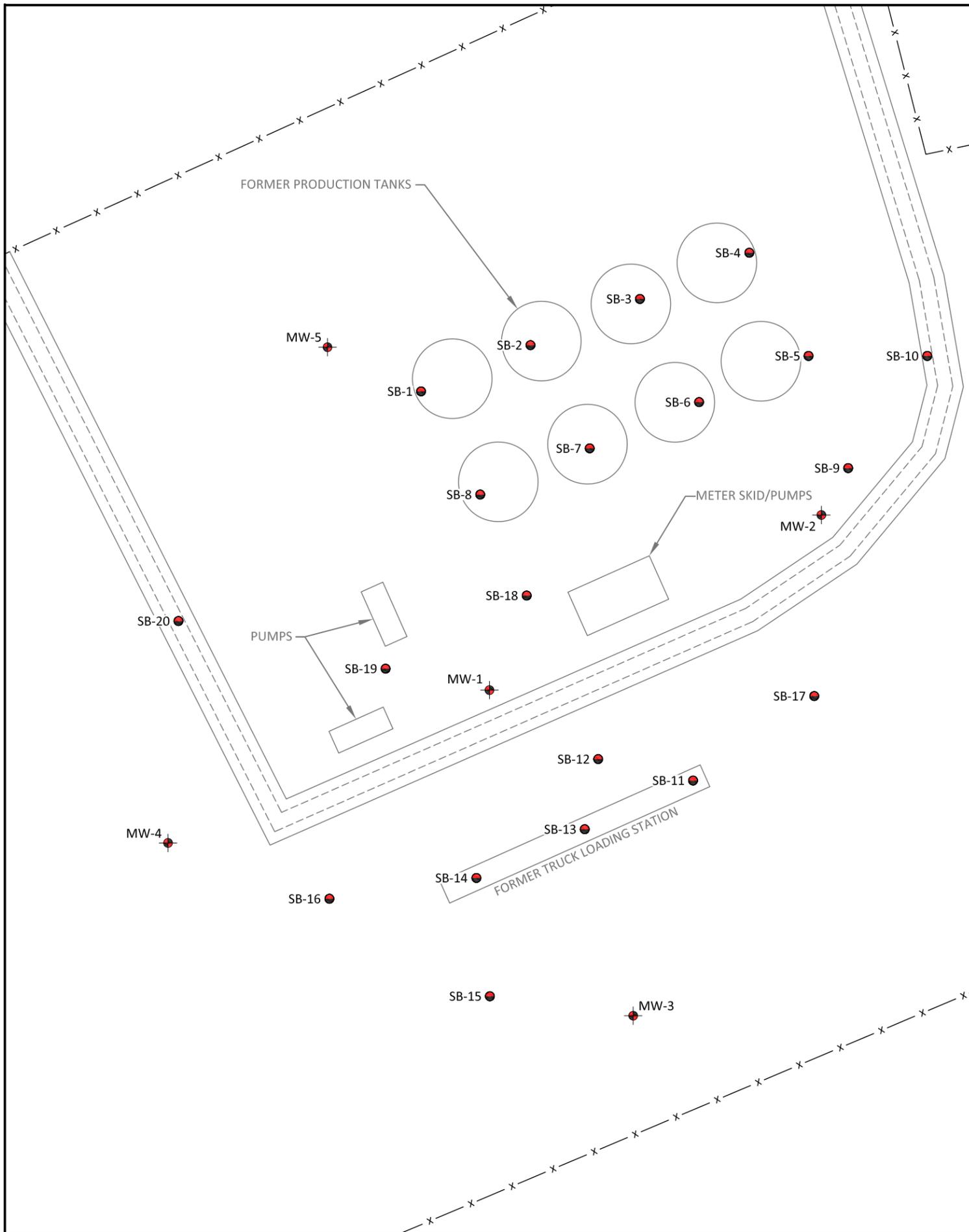
Laboratory Analytical Results					
Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOCD ACTION LEVEL		10	50	100	
Tank Composite	6/4/14	<0.028	<0.14	<2.8	26
TANK COMPOSITE WAS A COMPOSITE SAMPLE OF SB-1 THROUGH SB-8 AT 4 TO 8 FEET.					

Truck Loading Station Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SB-11	6/4/14	4 to 8	>5,000	NA
		8 to 12	>5,000	NA
		12 to 16	>5,000	NA
		16 to 20	>5,000	692
SB-12	6/4/14	4 to 8	>5,000	NA
		8 to 12	>5,000	NA
		12 to 16	>5,000	NA
		16 to 20	>5,000	>2,500
SB-13	6/4/14	4 to 8	>5,000	NA
		8 to 12	>5,000	NA
		12 to 16	>5,000	NA
		16 to 20	>5,000	NA
SB-14	6/4/14	4 to 8	>5,000	NA
		8 to 12	2,800	NA
		12 to 16	23.6	41.0
		16 to 20	22.4	NA
SB-15	6/4/14	0 to 4	4.1	NA
		4 to 8	4.1	NA
		8 to 12	1.5	35.8
		16 to 20	0.3	NA
SB-16	6/4/14	0 to 4	0.3	NA
		4 to 8	1.2	NA
		8 to 12	3.2	NA
		16 to 20	0.3	NA
SB-17	6/4/14	0 to 4	55.9	NA
		4 to 8	3.5	NA
		8 to 12	4.5	NA
		16 to 20	13.2	NA
SB-18	6/4/14	0 to 4	1.3	NA
		4 to 8	96.1	NA
		8 to 12	>5,000	>2,500
		16 to 20	1.2	NA
SB-19	6/4/14	0 to 4	1.3	NA
		4 to 8	1.1	NA
		8 to 12	0.8	NA
		16 to 20	0.8	NA
SB-20	6/4/14	0 to 4	1.2	NA
		4 to 8	1.1	NA
		8 to 12	0.8	NA
		16 to 20	0.8	NA

Tank Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SB-1	6/4/14	4 to 8	0.7	35.8
		8 to 12	0.0	35.8
		12 to 16	0.1	28.1
SB-2	6/4/14	4 to 8	0.0	35.4
		8 to 12	0.0	NA
SB-3	6/4/14	4 to 8	0.1	41.0
		8 to 12	0.3	NA
SB-4	6/4/14	4 to 8	0.1	76.9
		8 to 12	0.0	NA
SB-5	6/4/14	4 to 8	102	61.5
		8 to 12	1,048	61.5
		12 to 16	NA	225
SB-6	6/4/14	4 to 8	0.9	43.5
		8 to 12	0.2	NA
		12 to 16	0.0	44.8
SB-7	6/4/14	4 to 8	20.6	55.1
		8 to 12	10.9	35.8
SB-8	6/4/14	4 to 8	33.4	89.8
		8 to 12	10.4	34.6
SB-9	6/4/14	4 to 8	0.3	NA
		8 to 12	0.3	NA
		12 to 16	1.9	44.8
SB-10	6/4/14	4 to 8	1.4	NA
		8 to 12	2.3	NA
		12 to 16	2.2	41.0

NA - NOT ANALYZED

NA - NOT ANALYZED



Appendix

AES Field Sampling Report



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-403-3084

Client: Benson-Montin-Greer

Project Location: Hwy 537 2009 Release (North Excavation)

Date: 5/12/2014

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-7	5/12/2014	10:10	North Wall	189	2,346	11:33	20.0	1	SL
SC-8	5/12/2014	10:15	South Wall	21.1	1,528	11:37	20.0	1	SL
SC-9	5/12/2014	10:20	East Wall	2.9	1,770	11:42	20.0	1	SL
SC-10	5/12/2014	10:25	West Wall	257	971	11:46	20.0	1	SL
SC-11	5/12/2014	10:30	Base	368	821	11:51	20.0	1	SL

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: *Stephanie Allyn*

*Field TPH concentrations recorded may be below PQL.

AES Field Sampling Report



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-403-3084

Client: Benson-Montin-Greer

Project Location: Hwy 537 2009 Release (South Excavation)

Date: 5/12/2014

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	5/12/2014	9:40	North Wall	9.8	746	11:07	20.0	1	SL
SC-2	5/12/2014	9:45	South Wall	9.2	734	11:10	20.0	1	SL
SC-3	5/12/2014	9:50	East Wall	99.6	323	11:12	20.0	1	SL
SC-4	5/12/2014	9:55	West Wall	64.1	374	11:15	20.0	1	SL
SC-5	5/12/2014	10:00	Base	211	1,033	11:17	20.0	1	SL
SC-6	5/12/2014	10:05	Center Trench	2.4	28.6	11:20	20.0	1	SL

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: *Stephanie Flynn*

*Field TPH concentrations recorded may be below PQL.

AES Field Sampling Report



Animas Environmental Services, LLC

www.animasenvironmental.com

624 E. Comanche
Farmington, NM 87401
505-564-2281

Durango, Colorado
970-403-3084

Client: Benson-Montin-Greer

Project Location: Llaves Pipeline Hwy 537 2009 Release

Date: 6/4/2014

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-1 @ 4'-8'	6/4/2014	11:30	Tank 5	0.7	12:02	35.8	20.0	1	EMS
SB-1 @ 8'-12'	6/4/2014	11:35	Tank 5	0.0	12:05	35.8	20.0	1	EMS
SB-1 @ 12'-16'	6/4/2014	11:40	Tank 5	0.1	12:08	28.1	20.0	1	EMS
SB-2 @ 4'-8'	6/4/2014	11:45	Tank 6	0.0	12:36	35.4	20.0	1	EMS
SB-2 @ 8'-12'	6/4/2014	11:50	Tank 6	0.0	<i>Not Analyzed for TPH</i>				
SB-3 @ 4'-8'	6/4/2014	11:55	Tank 7	0.1	12:38	41.0	20.0	1	EMS
SB-3 @ 8'-12'	6/4/2014	12:00	Tank 7	0.3	<i>Not Analyzed for TPH</i>				
SB-4 @ 4'-8'	6/4/2014	12:04	Tank 8	0.1	12:43	76.9	20.0	1	EMS
SB-4 @ 8'-12'	6/4/2014	12:08	Tank 8	0.0	<i>Not Analyzed for TPH</i>				
SB-5 @ 4'-8'	6/4/2014	12:10	Tank 4	102	12:47	61.5	20.0	1	EMS
SB-5 @ 8'-12'	6/4/2014	12:15	Tank 4	1,048	12:50	61.5	20.0	1	EMS
SB-5 @ 12'-16'	6/4/2014	12:20	Tank 4	NA	12:53	225	20.0	1	EMS
SB-5 @ 16'-20'	6/4/2014	12:25	Tank 4	1,040	12:56	69.2	20.0	1	EMS
SB-6 @ 4'-8'	6/4/2014	12:30	Tank 3	0.9	13:21	43.5	20.0	1	EMS

SB-6 @ 8'-12'	6/4/2014	12:35	Tank 3	0.2	<i>Not Analyzed for TPH</i>				
SB-6 @ 12'-16'	6/4/2014	12:40	Tank 3	0.0	13:25	44.8	20.0	1	EMS
SB-7 @ 4'-8'	6/4/2014	12:45	Tank 2	20.6	13:27	55.1	20.0	1	EMS
SB-7 @ 8'-12'	6/4/2014	12:50	Tank 2	10.9	13:30	35.8	20.0	1	EMS
SB-8 @ 4'-8'	6/4/2014	12:55	Tank 1	33.4	13:38	89.8	20.0	1	EMS
SB-8 @ 8'-12'	6/4/2014	13:00	Tank 1	10.4	13:41	34.6	20.0	1	EMS
SB-9 @ 4'-8'	6/4/2014	13:15	See Figure	0.3	<i>Not Analyzed for TPH</i>				
SB-9 @ 8'-12'	6/4/2014	13:20	See Figure	0.3	<i>Not Analyzed for TPH</i>				
SB-9 @ 12'-16'	6/4/2014	13:50	See Figure	1.9	14:03	44.8	20.0	1	EMS
SB-10 @ 4'-8'	6/4/2014	13:35	See Figure	1.4	<i>Not Analyzed for TPH</i>				
SB-10 @ 8'-12'	6/4/2014	13:40	See Figure	2.3	<i>Not Analyzed for TPH</i>				
SB-10 @ 12'-16'	6/4/2014	13:45	See Figure	2.2	14:00	41.0	20.0	1	EMS
SB-11 @ 4'-8'	6/4/2014	14:05	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-11 @ 8'-12'	6/4/2014	14:08	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-11 @ 12'-16'	6/4/2014	14:12	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-11 @ 16'-20'	6/4/2014	14:15	See Figure	>5,000	14:58	692	20.0	1	EMS
SB-12 @ 4'-8'	6/4/2014	14:20	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-12 @ 8'-12'	6/4/2014	14:25	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-12 @ 12'-16'	6/4/2014	14:30	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-12 @ 16'-20'	6/4/2014	14:33	See Figure	>5,000	14:52	>2,500	20.0	1	EMS
SB-13 @ 4'-8'	6/4/2014	14:35	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-13 @ 8'-12'	6/4/2014	14:38	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-13 @ 12'-16'	6/4/2014	14:42	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-13 @ 16'-20'	6/4/2014	14:45	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-14 @ 4'-8'	6/4/2014	14:50	See Figure	>5,000	<i>Not Analyzed for TPH</i>				
SB-14 @ 8'-12'	6/4/2014	14:52	See Figure	2,800	<i>Not Analyzed for TPH</i>				
SB-14 @ 12'-16'	6/4/2014	14:57	See Figure	23.6	16:00	41.0	20.0	1	EMS
SB-14 @ 16'-20'	6/4/2014	15:03	See Figure	22.4	<i>Not Analyzed for TPH</i>				

SB-15 @ 0'-4'	6/4/2014	15:20	See Figure	4.1	Not Analyzed for TPH				
SB-15 @ 4'-8'	6/4/2014	15:25	See Figure	4.1	Not Analyzed for TPH				
SB-15 @ 8'-12'	6/4/2014	15:30	See Figure	1.5	16:04	35.8	20.0	1	EMS
SB-16 @ 0'-4'	6/4/2014	15:35	See Figure	0.3	Not Analyzed for TPH				
SB-16 @ 4'-8'	6/4/2014	15:40	See Figure	1.2	Not Analyzed for TPH				
SB-16 @ 8'-12'	6/4/2014	15:45	See Figure	3.2	Not Analyzed for TPH				
SB-17 @ 0'-4'	6/4/2014	15:47	See Figure	55.9	Not Analyzed for TPH				
SB-17 @ 4'-8'	6/4/2014	15:50	See Figure	3.5	Not Analyzed for TPH				
SB-17 @ 8'-12'	6/4/2014	15:52	See Figure	4.5	Not Analyzed for TPH				
SB-18 @ 0'-4'	6/4/2014	15:57	See Figure	13.2	Not Analyzed for TPH				
SB-18 @ 4'-8'	6/4/2014	16:00	See Figure	>5,000	Not Analyzed for TPH				
SB-19 @ 0'-4'	6/4/2014	16:02	See Figure	1.3	Not Analyzed for TPH				
SB-19 @ 4'-8'	6/4/2014	16:05	See Figure	96.1	Not Analyzed for TPH				
SB-19 @ 8'-12'	6/4/2014	16:08	See Figure	>5,000	16:32	>2,500	20.0	1	EMS
SB-20 @ 0'-4'	6/4/2014	16:14	See Figure	1.2	Not Analyzed for TPH				
SB-20 @ 4'-8'	6/4/2014	16:16	See Figure	1.1	Not Analyzed for TPH				
SB-20 @ 8'-12'	6/4/2014	16:20	See Figure	0.8	Not Analyzed for TPH				

DF Dilution Factor
NA Not Analyzed
ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit
*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: 



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

June 20, 2014

Debbie Watson

Animas Environmental Services
624 East Comanche
Farmington, NM 87401
TEL: (505) 486-4071
FAX

RE: BMG Hwy 537 Truck Receiving Station

OrderNo.: 1406812

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/18/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1406812

Date Reported: 6/20/2014

CLIENT: Animas Environmental Services

Client Sample ID: Tank Composite

Project: BMG Hwy 537 Truck Receiving Station

Collection Date: 6/4/2014 7:00:00 PM

Lab ID: 1406812-001

Matrix: MEOH (SOIL)

Received Date: 6/18/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	26	9.9		mg/Kg	1	6/18/2014 10:36:06 AM	13755
Surr: DNOP	86.8	57.9-140		%REC	1	6/18/2014 10:36:06 AM	13755
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	2.8		mg/Kg	1	6/18/2014 10:44:05 AM	R19352
Surr: BFB	90.0	80-120		%REC	1	6/18/2014 10:44:05 AM	R19352
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.028		mg/Kg	1	6/18/2014 10:44:05 AM	R19352
Toluene	ND	0.028		mg/Kg	1	6/18/2014 10:44:05 AM	R19352
Ethylbenzene	ND	0.028		mg/Kg	1	6/18/2014 10:44:05 AM	R19352
Xylenes, Total	ND	0.056		mg/Kg	1	6/18/2014 10:44:05 AM	R19352
Surr: 4-Bromofluorobenzene	99.7	80-120		%REC	1	6/18/2014 10:44:05 AM	R19352

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1406812

20-Jun-14

Client: Animas Environmental Services
Project: BMG Hwy 537 Truck Receiving Station

Sample ID MB-13755	SampType: MBLK		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: PBS	Batch ID: 13755		RunNo: 19341							
Prep Date: 6/18/2014	Analysis Date: 6/18/2014		SeqNo: 559117		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	8.4		10.00		84.0	57.9	140			

Sample ID LCS-13755	SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 13755		RunNo: 19341							
Prep Date: 6/18/2014	Analysis Date: 6/18/2014		SeqNo: 559118		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.5	60.8	145			
Surr: DNOP	4.3		5.000		85.2	57.9	140			

Sample ID 1406812-001AMS	SampType: MS		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: Tank Composite	Batch ID: 13755		RunNo: 19341							
Prep Date: 6/18/2014	Analysis Date: 6/18/2014		SeqNo: 559593		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	81	10	49.80	25.98	111	40.1	152			
Surr: DNOP	4.4		4.980		88.7	57.9	140			

Sample ID 1406812-001AMSD	SampType: MSD		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: Tank Composite	Batch ID: 13755		RunNo: 19341							
Prep Date: 6/18/2014	Analysis Date: 6/18/2014		SeqNo: 559595		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	78	10	50.45	25.98	102	40.1	152	4.48	32.1	
Surr: DNOP	4.8		5.045		94.6	57.9	140	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1406812

20-Jun-14

Client: Animas Environmental Services
Project: BMG Hwy 537 Truck Receiving Station

Sample ID MB-13743 MK	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: R19352		RunNo: 19352							
Prep Date:	Analysis Date: 6/18/2014		SeqNo: 559936		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	890		1000		89.0	80	120			

Sample ID LCS-13743 MK	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: R19352		RunNo: 19352							
Prep Date:	Analysis Date: 6/18/2014		SeqNo: 559937		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	98.6	71.7	134			
Surr: BFB	1100		1000		106	80	120			

Sample ID MB-13743	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 13743		RunNo: 19352							
Prep Date: 6/17/2014	Analysis Date: 6/18/2014		SeqNo: 559944		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	890		1000		89.0	80	120			

Sample ID LCS-13743	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 13743		RunNo: 19352							
Prep Date: 6/17/2014	Analysis Date: 6/18/2014		SeqNo: 559946		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		106	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1406812

20-Jun-14

Client: Animas Environmental Services
Project: BMG Hwy 537 Truck Receiving Station

Sample ID MB-13743 MK	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: R19352		RunNo: 19352							
Prep Date:	Analysis Date: 6/18/2014		SeqNo: 559977		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		102	80	120			

Sample ID LCS-13743 MK	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: R19352		RunNo: 19352							
Prep Date:	Analysis Date: 6/18/2014		SeqNo: 559979		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.1	80	120			
Toluene	0.94	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120			

Sample ID MB-13743	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 13743		RunNo: 19352							
Prep Date: 6/17/2014	Analysis Date: 6/18/2014		SeqNo: 559985		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID LCS-13743	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 13743		RunNo: 19352							
Prep Date: 6/17/2014	Analysis Date: 6/18/2014		SeqNo: 559986		Units: %REC					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120			

Qualifiers:

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

Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1406812

RcptNo: 1

Received by/date:

[Signature] 06/18/14

Logged By: Lindsay Mangin

6/18/2014 7:45:00 AM

[Signature]

Completed By: Lindsay Mangin

6/18/2014 7:57:54 AM

[Signature]

Reviewed By:

[Signature] 06/18/14

Chain of Custody

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

Log In

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

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

17. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes			

