

3R – 449

Q3 2010 GWMR

11 / 29 / 2010

Animas Environmental Services, LLC

624 E. Comanche . Farmington, NM 87401 . TEL 505-564-2281 . FAX 505-324-2022 . www.animasenvironmental.com

RECEIVED OGD

2010 DEC -2 P 1:08

November 29, 2010

Glen von Gonten
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

**RE: 3rd Quarter Groundwater Monitoring Report for Williams Four Corners, LLC,
Sammons #2 Pipeline December 2009 Release, Flora Vista, San Juan County,
New Mexico**

Dear Mr. von Gonten:

Animas Environmental Services, LLC (AES), on behalf of Williams Four Corners, LLC, has prepared this *3rd Quarter Groundwater Monitoring Report* for the Sammons #2 Pipeline December 2009 Release in accordance with New Mexico Oil Conservation Division (NMOCD) and New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) regulations. The subject site is located near Flora Vista, San Juan County, New Mexico.

A third quarterly groundwater monitoring and sampling event was completed October 28, 2010, in accordance with a workplan previously prepared by AES and dated January 25, 2010. The workplan was submitted to the NMOCD for review prior to implementing the proposed scope of work.

1.0 Site Information

1.1 Site Location

The general project area is located in a rural area approximately 0.1 mile east of County Road 3000 on private property owned by Ms. Helen Clark. The spill location is located approximately 140 feet southeast of a wetland area that is adjacent to the Animas River. The project area is described legally as within the SE¼ NE¼ Section 32, T30N, R12W, in Flora Vista, San Juan County, New Mexico. Longitude and latitude were recorded as being N36°46'18.240" and W108°06'54.540". A topographic site location map is included as Figure 1, and a Site Vicinity Map is presented as Figure 2.



1.2 Spill History

On December 3, 2009, trenching operations during routine pipeline replacement activities uncovered petroleum hydrocarbon contaminated soils. Williams was in the process of replacing an in-service 2-inch diameter natural gas pipeline with a new 4-inch diameter natural gas pipeline. The pipeline connects the Sammons 2 well locations, which are owned by Conoco Phillips. The volume of natural gas condensate released into the surrounding environment and the length of time that the 2-inch diameter pipeline was leaking are unknown.

Initial remedial activities were completed between December 7 and 17, 2009, and included excavation of approximately 1,884 cubic yards of petroleum contaminated soil (PCS) and removal of 1,122 barrels (bbls) of petroleum contaminated groundwater. Petroleum contaminated soil and groundwater were transported to Industrial Ecosystems, Inc. (IEI) on Crouch Mesa, San Juan County, for disposal. Soil excavation and removal activities were documented in the *Remedial Activities Report for Sammons #2 Pipeline 2009 Spill*, prepared by AES and dated January 11, 2010.

Six 1-inch diameter groundwater monitoring wells were installed and sampled at the site in April 2010. Analytical results from groundwater samples collected during the sampling event showed benzene concentrations exceeded the New Mexico Water Quality Control Commission (WQCC) standard of 10 µg/L in one well, MW-1 (11 µg/L). The remaining wells had benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations either below laboratory detection limits or well below applicable WQCC standards.

Diesel and motor oil range organics were below laboratory detection limits for all wells sampled. Low level gasoline range organics (GRO) were detected in MW-2, MW-4, MW-5, and MW-6. Based on the laboratory results, AES recommended continued quarterly groundwater monitoring at the site for at least a year.

Groundwater investigation details are included within the *Site Investigation Report* prepared by AES and dated May 5, 2010.

2.0 Groundwater Monitoring and Sampling October 2010

On October 28, 2010, groundwater monitoring and sampling activities were conducted by AES. Work was completed in accordance with the workplan prepared by AES and dated January 25, 2010, 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.

2.1 Notification

AES notified Aaron Dailey of Williams and Nick Clark, land owner, via telephone before starting sampling activities.

2.2 Groundwater Monitor Well Monitoring and Sampling

AES personnel completed groundwater monitoring and sampling of the wells on October 28, 2010. Groundwater samples were collected with new disposable bailers from a total of six monitor wells and transferred into appropriate sample containers, labeled accordingly, and documented on Water Sample Collection Forms.

Prior to sample collection, water quality measurements were recorded and included depth to groundwater, pH, temperature, conductivity, dissolved oxygen (DO), and oxidation reduction potential (ORP). Depth to groundwater was measured with a Keck Water Level Indicator, and water quality data was measured with a YSI Water Quality Meter. Samples were shipped in insulated coolers containing ice at less than 6°C via Greyhound bus to Hall Environmental Analytical Laboratory (Hall) in Albuquerque, New Mexico.

2.2.1 Laboratory Analyses - Groundwater

All groundwater analytical samples were analyzed for the following parameters:

- BTEX – EPA Method 8260
- TPH (C₆-C₃₆) GRO, DRO, and MRO – EPA Method 8015 Modified

2.2.2 Measurement Data

Depths to groundwater varied across the site and were observed to exist at 0.68 feet below top of casing (TOC) in MW-6 to 1.95 feet below TOC in MW-1. The groundwater gradient was calculated to be approximately 0.01 ft/ft to the northwest, which is consistent with previous site data. Note that the site is considered to be groundwater under the direct influence (GUDI) of the Animas River.

Following depth to water measurement, each well was purged with a disposable bailer until recorded temperature, pH, conductivity, and dissolved oxygen (DO) measurements were stabilized. All data was recorded onto Water Sample Collection Forms. Groundwater temperature ranged from 11.52°C to 15.62°C, and conductivity ranged from 0.719 mS to 3.797 mS. Although DO was recorded during field activities, it should be noted that due to the use of bailers, the accuracy of dissolved oxygen measurements is limited. Depth to groundwater measurements and water quality data are summarized in Table 1, and groundwater elevation contours are presented in Figure 3. Water Sample Collection forms are presented in Appendix A.

2.2.3 Groundwater Analytical Results

Analytical results from groundwater samples collected during the October 2010 sampling event showed that BTEX concentrations were below laboratory detection limits in all six monitoring wells.

Dissolved phase diesel and motor oil range organics concentrations were below laboratory detection limits for all wells sampled. WQCC standards have not been established for TPH. The laboratory analytical results for groundwater samples collected during the October 2010 sampling event have been tabulated and are presented in Table 2 and on Figure 4. Groundwater analytical laboratory reports are presented in Appendix A.

3.0 Conclusion and Recommendations

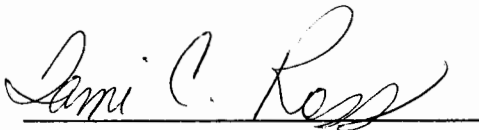
AES personnel conducted groundwater monitoring and sampling at the location of the Sammons #2 Pipeline December 2009 Release in October 2010. Depths to groundwater varied across the site and were observed to exist at about 0.68 to 1.95 feet bgs from the top of the well casing, and groundwater gradient was calculated to be approximately 0.01 ft/ft to the northwest.

Groundwater analytical results showed that contaminants of concern (BTEX and TPH) were below laboratory detection limits. Natural attenuation of groundwater contaminants appears to be successfully occurring at the site.

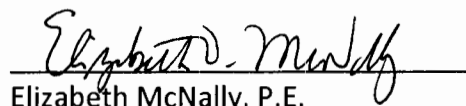
AES has tentatively scheduled the next quarterly sampling event for January 2011.

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

Sincerely,



Tami C. Ross, CHMM
Project Manager



Elizabeth McNally, P.E.
New Mexico Registration #15799

Attachments:

Tables

- Table 1. Groundwater Measurement and Water Quality Data
Table 2. Groundwater Analytical Results

Figures

- Figure 1. Topographic Site Location Map
Figure 2. Site Plan
Figure 3. Groundwater Elevations, October 2010
Figure 4. Groundwater Analytical Results, October 2010

Appendix A

- Water Sample Collection Forms
Groundwater Analytical Laboratory Reports

Cc: Mr. Brandon Powell
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Mr. Aaron Dailey
Williams Four Corners, LLC
188 CR 4900
Bloomfield, NM 87413

Mr. Nick Clark
719 Otten Street
Aztec, NM 87410

Files:2010/Williams/Sammons#2/Groundwater/Reports/3rd Qutr Investigation Report 112910

TABLE 1
SUMMARY OF GROUNDWATER MEASUREMENT AND WATER QUALITY DATA
Williams Four Corners #2 Pipeline December 2009 Release
Flora Vista, San Juan County, New Mexico

Well ID	Date Sampled	Depth to Water (ft)	Surveyed TOC (ft)	GW Elev. (ft)	Temperature (C)	Conductivity (mS)	DO (mg/L)	pH	ORP (mV)
MW-1	20-Apr-10	2.43	5427.26	5424.83	10.19	4.392	0.43	7.05	35.1
MW-1	20-Jul-10	2.05	5427.26	5425.21	14.75	1.108	1.76	7.14	-89.7
MW-1	28-Oct-10	1.95	5427.26	5425.31	11.84	3.797	0.67	7.03	-71.0
MW-2	20-Apr-10	1.11	5424.98	5423.87	10.37	1.670	0.20	7.39	-132.7
MW-2	20-Jul-10	0.91	5424.98	5424.07	19.09	0.930	1.84	7.26	-99.3
MW-2	28-Oct-10	0.92	5424.98	5424.06	11.52	0.719	0.22	7.45	-103.5
MW-3	20-Apr-10	1.77	5425.44	5423.67	9.73	2.005	0.24	7.21	-69.0
MW-3	20-Jul-10	1.56	5425.44	5423.88	17.89	0.842	1.52	7.22	-85.6
MW-3	28-Oct-10	1.66	5425.44	5423.78	12.61	0.670	0.18	7.43	-108.4
MW-4	20-Apr-10	1.59	5424.38	5422.79	9.60	2.174	0.22	7.29	-88.4
MW-4	20-Jul-10	1.44	5424.38	5422.94	16.39	1.061	1.29	7.17	-87.7
MW-4	28-Oct-10	1.39	5424.38	5422.99	14.48	1.026	0.22	7.28	-111.1
MW-5	20-Apr-10	1.00	5424.17	5423.17	9.88	3.140	0.21	7.37	-102.6
MW-5	20-Jul-10	0.86	5424.17	5423.31	20.50	1.440	1.03	6.98	-93.5
MW-5	28-Oct-10	0.75	5424.17	5423.42	15.62	1.650	0.30	7.09	-91.7
MW-6	20-Apr-10	1.04	5424.91	5423.87	11.09	2.277	0.22	7.28	-113.6
MW-6	20-Jul-10	0.89	5424.91	5424.02	21.57	1.399	1.06	6.93	-82.3
MW-6	28-Oct-10	0.68	5424.91	5424.23	11.93	1.482	0.21	7.12	-89.6

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Williams Four Corners #2 Pipeline December 2009 Release
Flora Vista, San Juan County, New Mexico

Well ID	Date Sampled	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	GRO (C6-C10)	DRO (C10-C22)	MRO (C22-C32)
		(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Analytical Method		8260B	8260B	8260B	8260B	8015	8015	8015
WQCC Standard		10	10	10	10	NE	NE	NE
MW-1	20-Apr-10	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
MW-1	20-Jul-10	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
MW-1	28-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-2	20-Apr-10	11	<1.0	2.4	22	1.1	<1.0	<5.0
MW-2	20-Jul-10	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
MW-2	28-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-3	20-Apr-10	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
MW-3	20-Jul-10	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
MW-3	28-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-4	20-Apr-10	9.9	<1.0	<1.0	<1.5	0.074	<1.0	<5.0
MW-4	20-Jul-10	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
MW-4	28-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-5	20-Apr-10	9.7	<1.0	<1.0	<1.5	0.055	<1.0	<5.0
MW-5	20-Jul-10	<1.0	<1.0	<1.0	<1.5	<0.050	<1.0	<5.0
MW-5	28-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
MW-6	20-Apr-10	4.6	<1.0	11	47	3.2	<1.0	<5.0
MW-6	20-Jul-10	<1.0	<1.0	<1.0	<1.5	0.079	<1.0	<5.0
MW-6	28-Oct-10	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0	<5.0
Field Blank	22-Apr-10	<1.0	<1.0	<1.0	<1.5	NA	NA	NA

Notes: < - Analyte below laboratory detection limit
 NA - Not Analyzed
 NE - Not Established

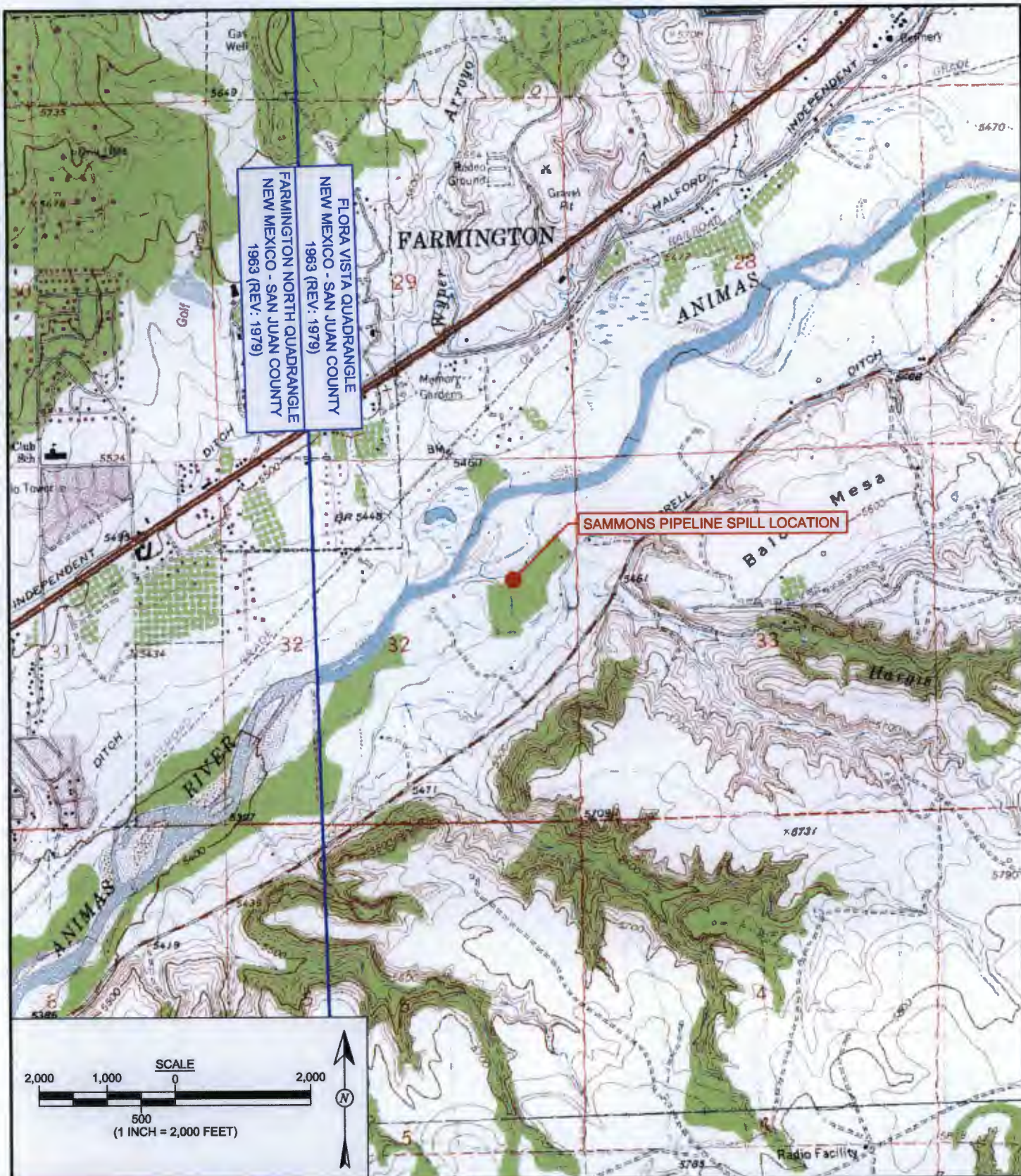


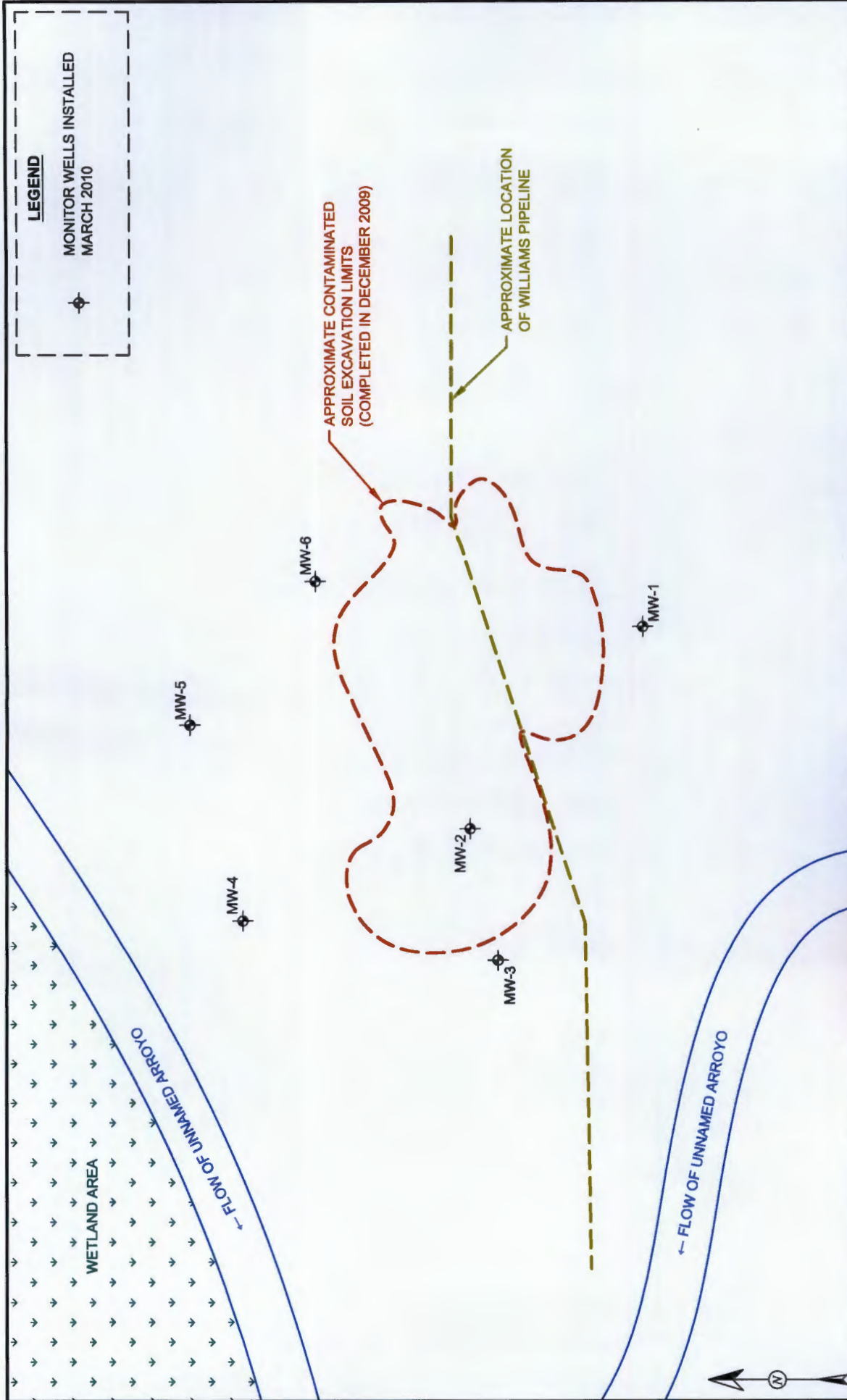
FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

WILLIAMS FOUR CORNERS, LLC
SAMMONS #2 PIPELINE DECEMBER 2009 RELEASE
FARMINGTON, SAN JUAN COUNTY, NEW MEXICO
N36°45'18.240", W108°06'54.540"



DRAWN BY: C. Lameman	DATE DRAWN: December 29, 2009
REVISIONS BY: C. Lameman	DATE REVISED: November 8, 2010
CHECKED BY: D. Watson	DATE CHECKED: November 8, 2010
APPROVED BY: E. McNally	DATE APPROVED: November 23, 2010





AES
Animas Environmental Services, LLC

FIGURE 2

GENERAL SITE PLAN

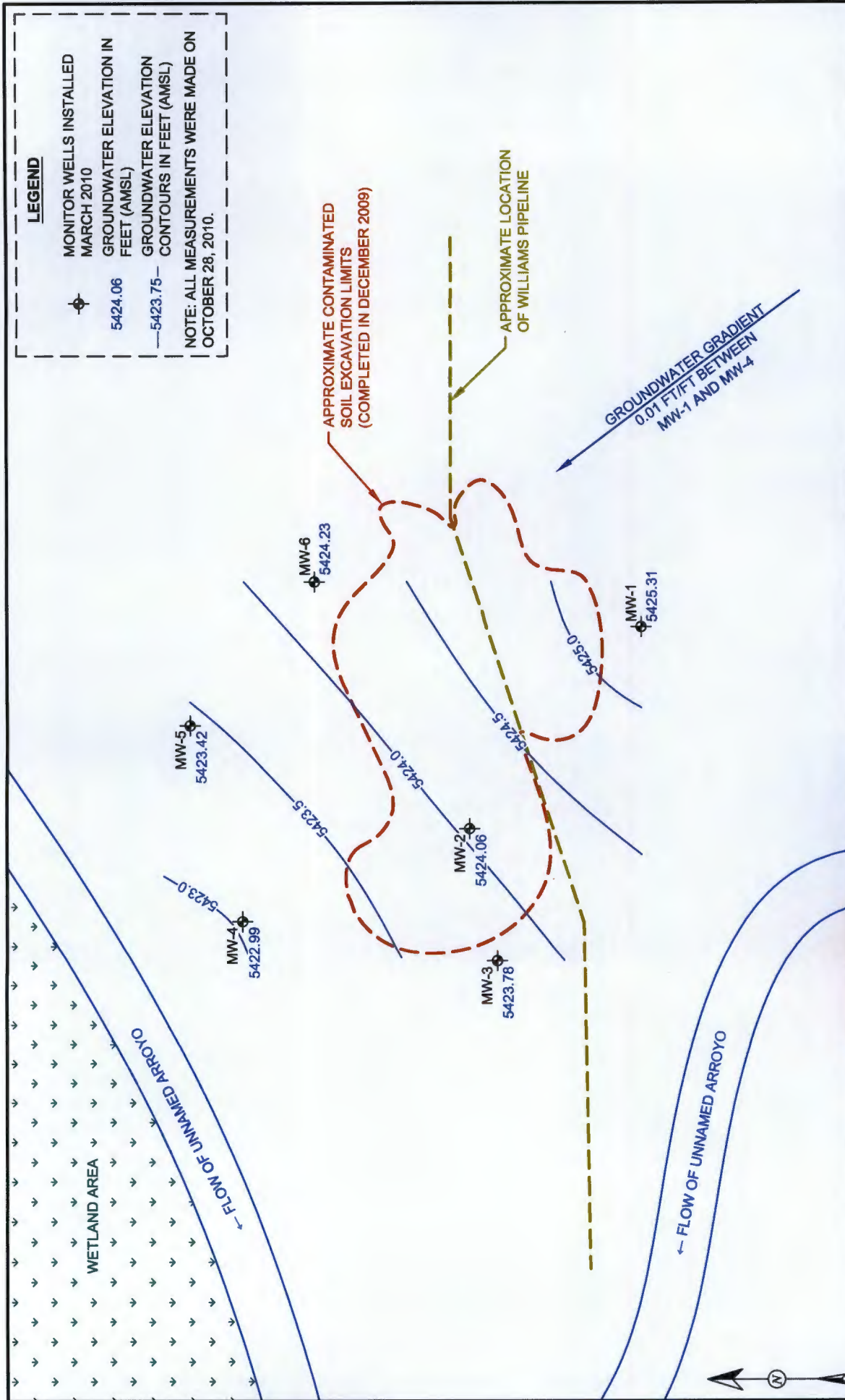
WILLIAMS FOUR CORNERS, LLC
SAMMONS #2 PIPELINE DECEMBER 2009 RELEASE
FARMINGTON, SAN JUAN COUNTY, NEW MEXICO
N36°46'18.240" , W108°06'54.540"

DRAWN BY: C. Laraman	DATE DRAWN: April 13, 2010
REVISIONS BY: C. Laraman	DATE REVISED: November 8, 2010
CHECKED BY: D. Watson	DATE CHECKED: November 8, 2010
APPROVED BY: E. McNally	DATE APPROVED: November 23, 2010



SCALE
(1 INCH = 50 FEET)

S:\ANIMAS 2000\2010 PROJECTS\WILLIAMS FOUR CORNERS\WILLIAMS #2 GW INVESTIGATION 2010\MAPS AND DRAWINGS\DECEMBER 2010\FIGURE 2 SITE PLAN



Animas Environmental Services, LLC



FIGURE 3		GROUNDWATER ELEVATION CONTOURS	
OCTOBER 2010		OCTOBER 2010	
DRAWN BY:	C. Laraman	DATE DRAWN:	April 13, 2010
REVISIONS BY:	C. Laraman	DATE REVISED:	November 8, 2010
CHECKED BY:	D. Watson	DATE CHECKED:	November 8, 2010
APPROVED BY:	E. McNally	DATE APPROVED:	November 23, 2010
WILLIAMS FOUR CORNERS, LLC		SAMMONS #2 PIPELINE DECEMBER 2009 RELEASE	
FARMINGTON, SAN JUAN COUNTY, NEW MEXICO		N36°46'18.240", W108°06'54.540"	

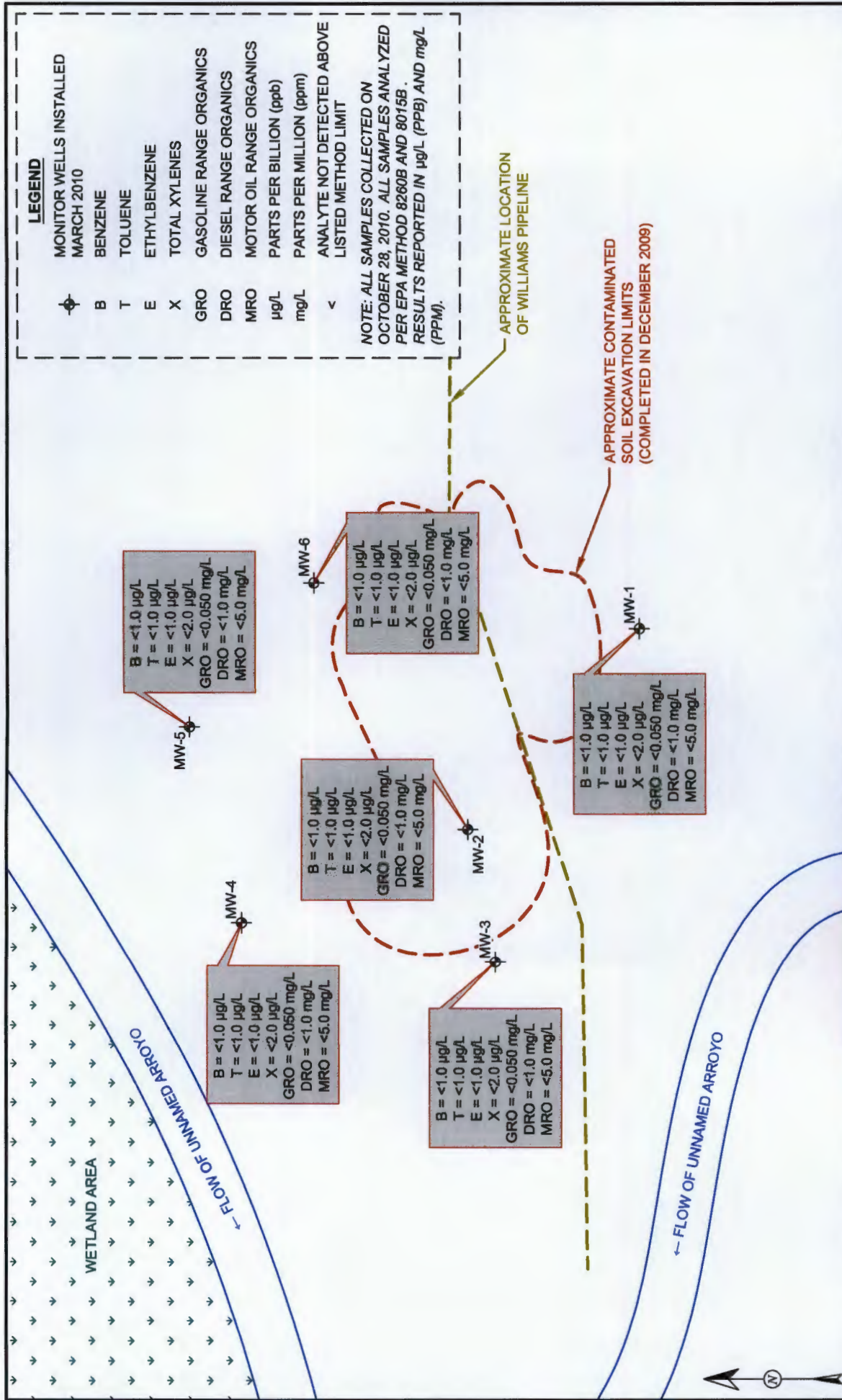
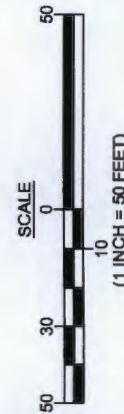


FIGURE 4

**GROUNDWATER ANALYTICAL RESULTS
OCTOBER 2010**

WILLIAMS FOUR CORNERS, LLC
SAMMONS #2 PIPELINE DECEMBER 2009 RELEASE
FARMINGTON, SAN JUAN COUNTY, NEW MEXICO
N36°48'18.240" , W108°06'54.540"

DRAWN BY: C. Lamean	DATE DRAWN: April 13, 2010
REVISIONS BY: C. Lamean	DATE REVISED: November 10, 2010
CHECKED BY: D. Watson	DATE CHECKED: November 10, 2010
APPROVED BY: E. McNally	DATE APPROVED: November 23, 2010



MONITORING WELL SAMPLING RECORD

Animas Environmental Services

Monitor Well No: MW-1624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022Site: Williams Sammons #2 Pipeline SpillProject No.: AES 091204Location: Flora Vista, San Juan County, New MexicoDate: 10-28-10Project: Groundwater Monitoring and SamplingArrival Time: 0959Sampling Technician: N. WillisAir Temp: 35°FPurge / No Purge: PurgeT.O.C. Elev. (ft): 5427.26Well Diameter (in): 1Total Well Depth (ft): 5.9

Initial D.T.W. (ft): _____

Time: _____ (taken at initial gauging of all wells)

Confirm D.T.W. (ft): 1.95Time: 1003 (taken prior to purging well)

Final D.T.W. (ft): _____

Time: _____ (taken after sample collection)

If NAPL Present: D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1018	11.32	3.982	2.52	7.18	-61.8	1/5 gallon	
1022	10.83	3.937	1.59	7.24	-65.8	1/5	
1025	11.38	3.914	0.73	7.14	-67.3	1/5	
1028	11.66	3.924	0.64	7.10	-69.5	1/5	
1031	11.84	3.797	0.67	7.03	-71.0	1/5	
1036	_____	_____	_____	_____	_____	_____	Samples Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Full VOCs per EPA Method 8260B (3 - 40 mL Vials w/ HCl preserve)

MRO, DRO, GRO per EPA Method 8015 (2 - 40 mL Vials w/ HCL perserve, 1 - 40 mL unpreserved)

Disposal of Purged Water: ConcreteCollected Samples Stored on Ice in Cooler: YesChain of Custody Record Complete: YesAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable BailerNotes/Comments: Peristaltic pump was used to bail well.

MONITORING WELL SAMPLING RECORD

Animas Environmental Services

Monitor Well No: MW-2624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022Site: Williams Sammons #2 Pipeline SpillProject No.: AES 091204Location: Flora Vista, San Juan County, New MexicoDate: 10-28-10Project: Groundwater Monitoring and SamplingArrival Time: 1049Sampling Technician: N. WillisAir Temp: 40°FPurge / No Purge: PurgeT.O.C. Elev. (ft): 5424.98Well Diameter (in): 1Total Well Depth (ft): 5.96Initial D.T.W. (ft): Time:

(taken at initial gauging of all wells)

Confirm D.T.W. (ft): 0.92 Time: 1051

(taken prior to purging well)

Final D.T.W. (ft): Time:

(taken after sample collection)

If NAPL Present: D.T.P.: D.T.W.: Thickness: Time: **Water Quality Parameters - Recorded During Well Purging**

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1058	11.66	0.743	0.65	7.63	-93.3	1/6	
1101	11.61	0.732	0.36	7.56	-95.4	1/6	
1104	11.53	0.728	0.29	7.52	-97.9	1/6	
1107	11.41	0.726	0.25	7.50	-99.1	1/6	
1110	11.50	0.722	0.23	7.48	-100.6	1/6	
1113	11.55	0.722	0.23	7.47	-101.4	1/6	
1116	11.57	0.720	0.23	7.45	-102.5	1/6	
1119	11.52	0.719	0.22	7.45	-103.5	1/6	
1124							Samples Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Full VOCs per EPA Method 8260B (3 - 40 mL Vials w/ HCl preserve)

MRO, DRO, GRO per EPA Method 8015 (2 - 40 mL Vials w/ HCL perserve, 1 - 40 mL unpreserved)

Disposal of Purged Water: ConcreteCollected Samples Stored on Ice in Cooler: YesChain of Custody Record Complete: YesAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable BailerNotes/Comments: Peristaltic pump used to bail this well.

MONITORING WELL SAMPLING RECORD

Animas Environmental Services

Monitor Well No: MW-3

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Williams Sammons #2 Pipeline Spill

Project No.: AES 091204

Location: Flora Vista, San Juan County, New Mexico

Date: 10-28-10

Project: Groundwater Monitoring and Sampling

Arrival Time: 1130

Sampling Technician: N. Willis

Air Temp: 45°F

Purge / No Purge: Purge

T.O.C. Elev. (ft): 5425.44

Well Diameter (in): 1

Total Well Depth (ft): 5.9

Initial D.T.W. (ft): Time: (taken at initial gauging of all wells)

Confirm D.T.W. (ft): 1.66 Time: 1132 (taken prior to purging well)

Final D.T.W. (ft): Time: (taken after sample collection)

If NAPL Present: D.T.P.: Thickness: Time:

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1139	12.62	0.672	0.77	7.51	-98.2	1/6	
1142	12.58	0.668	0.36	7.47	-101.6	1/6	
1145	12.67	0.669	0.26	7.46	-104.3	1/6	
1148	12.69	0.669	0.21	7.44	-106.1	1/6	
1151	12.59	0.669	0.20	7.43	-107.3	1/6	
1154	12.61	0.670	0.18	7.43	-108.4	1/6	
1159							Samples Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Full VOCs per EPA Method 8260B (3 - 40 mL Vials w/ HCl preserve)

MRO, DRO, GRO per EPA Method 8015 (2 - 40 mL Vials w/ HCL perserve, 1 - 40 mL unpreserved)

Disposal of Purged Water: Concrete

Collected Samples Stored on Ice in Cooler: Yes

Chain of Custody Record Complete: Yes

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter and New Disposable Bailor

Notes/Comments: Peristaltic pump used to bail this well

MONITORING WELL SAMPLING RECORD

Monitor Well No: MW-4

Animas Environmental Services

624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Williams Sammons #2 Pipeline Spill

Project No.: AES 091204

Location: Flora Vista, San Juan County, New Mexico

Date: 10-18-10

Project: Groundwater Monitoring and Sampling

Arrival Time: 1209

Sampling Technician: J. Willis

Air Temp: 48°F

Purge / No Purge: Purge

T.O.C. Elev. (ft): 5424.38

Well Diameter (in): _____ 1

Total Well Depth (ft): 5.94

Initial D.T.W. (ft):

Time:

(taken at initial gauging of all wells)

Confirm D.T.W. (ft): 1.39

Time:

(taken prior to purging well)

Final D.T.W. (ft):

Time:

(taken after sample collection)

If NAPL Present: D.T.P.:

D.T.W.:

Thickness:

Time:

Water Quality Parameters - Recorded During Well Purging

[illegible]**Analytical Parameters (include analysis method and number and type of sample containers)**

Full VOCs per EPA Method 8260B (3 - 40 mL Vials w/ HCl preserve)

MRO, DRO, GRO per EPA Method 8015 (2 - 40 mL Vials w/ HCL preserve, 1 - 40 mL unpreserved)

Disposal of Purged Water: Concrete

Collected Samples Stored on Ice in Cooler: Yes

Chain of Custody Record Complete: Yes

Analytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NM

Equipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable Bailer

Notes/Comments:

Peristaltic pump used to bail this well

MONITORING WELL SAMPLING RECORD

Animas Environmental Services

Monitor Well No: MW-5624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022Site: Williams Sammons #2 Pipeline SpillProject No.: AES 091204Location: Flora Vista, San Juan County, New MexicoDate: 10-28-10Project: Groundwater Monitoring and SamplingArrival Time: 1243Sampling Technician: N. WillisAir Temp: 50°FPurge / No Purge: PurgeT.O.C. Elev. (ft): 5424.17Well Diameter (in): 1Total Well Depth (ft): 5.91

Initial D.T.W. (ft): _____ Time: _____

(taken at initial gauging of all wells)

Confirm D.T.W. (ft): 0.75 Time: 1246

(taken prior to purging well)

Final D.T.W. (ft): _____ Time: _____

(taken after sample collection)

If NAPL Present: D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1253	15.35	1.630	0.57	7.19	-82.6	1/5	
1256	15.42	1.641	0.33	7.14	-84.4	1/5	
1259	15.56	1.646	0.29	7.12	-86.6	1/5	
1302	15.57	1.646	0.29	7.11	-88.1	1/5	
1305	15.58	1.650	0.30	7.10	-89.4	1/5	
1308	15.63	1.650	0.30	7.09	-90.8	1/5	
1311	15.62	1.650	0.30	7.09	-91.7	1/5	
1316	—	—	—	—	—	—	Samples Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Full VOCs per EPA Method 8260B (3 - 40 mL Vials w/ HCl preserve)

MRO, DRO, GRO per EPA Method 8015 (2 - 40 mL Vials w/ HCL perserve, 1 - 40 mL unpreserved)

Disposal of Purged Water: ConcreteCollected Samples Stored on Ice in Cooler: YesChain of Custody Record Complete: YesAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable BailorNotes/Comments: Peristaltic Pump used to bail this well

MONITORING WELL SAMPLING RECORD

Animas Environmental Services

Monitor Well No: MW-6624 E. Comanche, Farmington NM 87401
Tel. (505) 564-2281 Fax (505) 324-2022

Site: Williams Sammons #2 Pipeline Spill

Project No.: AES 091204

Location: Flora Vista, San Juan County, New Mexico

Date: 10-28-10

Project: Groundwater Monitoring and Sampling

Arrival Time: 1324Sampling Technician: N. WillisAir Temp: 52°FPurge / No Purge: PurgeT.O.C. Elev. (ft): 5424.91Well Diameter (in): 1Total Well Depth (ft): 6.30

Initial D.T.W. (ft): _____ Time: _____

(taken at initial gauging of all wells)

Confirm D.T.W. (ft): 0.68Time: 1327

(taken prior to purging well)

Final D.T.W. (ft): _____

Time: _____

(taken after sample collection)

If NAPL Present: D.T.P.: _____ D.T.W.: _____ Thickness: _____ Time: _____

Water Quality Parameters - Recorded During Well Purging

Time	Temp (deg C)	Conductivity (µS) (mS)	DO (mg/L)	pH	ORP (mV)	PURGED VOLUME (see reverse for calc.)	Notes/Observations
1334	12.01	1.495	1.70	7.30	-78.6	1/5	
1337	11.73	1.493	0.53	7.21	-79.8	1/5	
1340	11.89	1.489	0.30	7.16	-82.4	1/5	
1343	12.15	1.487	0.24	7.14	-84.6	1/5	
1346	12.11	1.488	0.22	7.13	-86.4	1/5	
1349	11.87	1.487	0.20	7.13	-87.2	1/5	
1352	11.96	1.481	0.20	7.12	-88.5	1/5	
1355	11.93	1.482	0.21	7.12	-89.6	1/5	
1400							Samples Collected

Analytical Parameters (include analysis method and number and type of sample containers)

Full VOCs per EPA Method 8260B (3 - 40 mL Vials w/ HCl preserve)

MRO, DRO, GRO per EPA Method 8015 (2 - 40 mL Vials w/ HCL preserve, 1 - 40 mL unpreserved)

Disposal of Purged Water: ConcreteCollected Samples Stored on Ice in Cooler: YesChain of Custody Record Complete: YesAnalytical Laboratory: Hall Environmental Analysis Laboratory, Albuquerque, NMEquipment Used During Sampling: Keck Water Level or Keck Interface Level, YSI Water Quality Meter
and New Disposable BailerNotes/Comments: Peristaltic pump was used to bail this well



COVER LETTER

Tuesday, November 09, 2010

Ross Kennemer
Animas Environmental Services
624 East Comanche
Farmington, NM 87401

TEL: (505) 564-2281
FAX (505) 324-2022

RE: Williams Sammons #2 Pipeline Spill

Order No.: 1010C42

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 10/29/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX



Hall Environmental Analysis Laboratory, Inc.

Date: 09-Nov-10

CLIENT:	Animas Environmental Services	Client Sample ID:	MW-1
Lab Order:	1010C42	Collection Date:	10/28/2010 10:36:00 AM
Project:	Williams Sammons #2 Pipeline Spill	Date Received:	10/29/2010
Lab ID:	1010C42-01	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/31/2010 5:56:47 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/31/2010 5:56:47 PM
Surr: DNOP	122	86.9-151		%REC	1	10/31/2010 5:56:47 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/5/2010 6:17:42 PM
Surr: BFB	102	84.5-118		%REC	1	11/5/2010 6:17:42 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/5/2010 10:03:47 PM
Toluene	ND	1.0		µg/L	1	11/5/2010 10:03:47 PM
Ethylbenzene	ND	1.0		µg/L	1	11/5/2010 10:03:47 PM
Xylenes, Total	ND	2.0		µg/L	1	11/5/2010 10:03:47 PM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	1	11/5/2010 10:03:47 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 09-Nov-10

CLIENT:	Animas Environmental Services	Client Sample ID:	MW-2
Lab Order:	1010C42	Collection Date:	10/28/2010 11:24:00 AM
Project:	Williams Sammons #2 Pipeline Spill	Date Received:	10/29/2010
Lab ID:	1010C42-02	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/31/2010 6:30:36 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/31/2010 6:30:36 PM
Surr: DNOP	126	86.9-151		%REC	1	10/31/2010 6:30:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/5/2010 6:48:42 PM
Surr: BFB	100	84.5-118		%REC	1	11/5/2010 6:48:42 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/5/2010 10:30:02 PM
Toluene	ND	1.0		µg/L	1	11/5/2010 10:30:02 PM
Ethylbenzene	ND	1.0		µg/L	1	11/5/2010 10:30:02 PM
Xylenes, Total	ND	2.0		µg/L	1	11/5/2010 10:30:02 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/5/2010 10:30:02 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 09-Nov-10

CLIENT:	Animas Environmental Services	Client Sample ID:	MW-3
Lab Order:	1010C42	Collection Date:	10/28/2010 11:59:00 AM
Project:	Williams Sammons #2 Pipeline Spill	Date Received:	10/29/2010
Lab ID:	1010C42-03	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/31/2010 7:04:26 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/31/2010 7:04:26 PM
Surr: DNOP	120	86.9-151		%REC	1	10/31/2010 7:04:26 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/5/2010 8:42:26 PM
Surr: BFB	99.4	84.5-118		%REC	1	11/5/2010 8:42:26 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/5/2010 10:56:18 PM
Toluene	ND	1.0		µg/L	1	11/5/2010 10:56:18 PM
Ethylbenzene	ND	1.0		µg/L	1	11/5/2010 10:56:18 PM
Xylenes, Total	ND	2.0		µg/L	1	11/5/2010 10:56:18 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/5/2010 10:56:18 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 09-Nov-10

CLIENT: Animas Environmental Services
Lab Order: 1010C42
Project: Williams Sammons #2 Pipeline Spill
Lab ID: 1010C42-04

Client Sample ID: MW-4
Collection Date: 10/28/2010 12:36:00 PM
Date Received: 10/29/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/31/2010 7:38:33 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/31/2010 7:38:33 PM
Surr: DNOP	125	86.9-151		%REC	1	10/31/2010 7:38:33 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/5/2010 9:11:30 PM
Surr: BFB	102	84.5-118		%REC	1	11/5/2010 9:11:30 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/5/2010 11:22:25 PM
Toluene	ND	1.0		µg/L	1	11/5/2010 11:22:25 PM
Ethylbenzene	ND	1.0		µg/L	1	11/5/2010 11:22:25 PM
Xylenes, Total	ND	2.0		µg/L	1	11/5/2010 11:22:25 PM
Surr: 4-Bromofluorobenzene	100	76.4-106		%REC	1	11/5/2010 11:22:25 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 09-Nov-10

CLIENT:	Animas Environmental Services	Client Sample ID:	MW-5
Lab Order:	1010C42	Collection Date:	10/28/2010 1:16:00 PM
Project:	Williams Sammons #2 Pipeline Spill	Date Received:	10/29/2010
Lab ID:	1010C42-05	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/31/2010 8:46:46 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/31/2010 8:46:46 PM
Surr: DNOP	122	86.9-151		%REC	1	10/31/2010 8:46:46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/5/2010 9:40:30 PM
Surr: BFB	99.9	84.5-118		%REC	1	11/5/2010 9:40:30 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/5/2010 11:48:48 PM
Toluene	ND	1.0		µg/L	1	11/5/2010 11:48:48 PM
Ethylbenzene	ND	1.0		µg/L	1	11/5/2010 11:48:48 PM
Xylenes, Total	ND	2.0		µg/L	1	11/5/2010 11:48:48 PM
Surr: 4-Bromofluorobenzene	95.3	76.4-106		%REC	1	11/5/2010 11:48:48 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Estimated value	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
NC Non-Chlorinated	ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit	S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 09-Nov-10

CLIENT:	Animas Environmental Services	Client Sample ID:	MW-6
Lab Order:	1010C42	Collection Date:	10/28/2010 2:00:00 PM
Project:	Williams Sammons #2 Pipeline Spill	Date Received:	10/29/2010
Lab ID:	1010C42-06	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/31/2010 9:20:54 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/31/2010 9:20:54 PM
Surr: DNOP	121	86.9-151		%REC	1	10/31/2010 9:20:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/5/2010 10:09:29 PM
Surr: BFB	99.7	84.5-118		%REC	1	11/5/2010 10:09:29 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/6/2010 12:15:17 AM
Toluene	ND	1.0		µg/L	1	11/6/2010 12:15:17 AM
Ethylbenzene	ND	1.0		µg/L	1	11/6/2010 12:15:17 AM
Xylenes, Total	ND	2.0		µg/L	1	11/6/2010 12:15:17 AM
Surr: 4-Bromofluorobenzene	110	76.4-106	S	%REC	1	11/6/2010 12:15:17 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 09-Nov-10

CLIENT:	Animas Environmental Services	Client Sample ID:	TRIP BLANK
Lab Order:	1010C42	Collection Date:	
Project:	Williams Sammons #2 Pipeline Spill	Date Received:	10/29/2010
Lab ID:	1010C42-07	Matrix:	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/6/2010 12:42:17 AM
Toluene	ND	1.0		µg/L	1	11/6/2010 12:42:17 AM
Ethylbenzene	ND	1.0		µg/L	1	11/6/2010 12:42:17 AM
Xylenes, Total	ND	2.0		µg/L	1	11/6/2010 12:42:17 AM
Surr: 4-Bromofluorobenzene	109	76.4-106	S	%REC	1	11/6/2010 12:42:17 AM

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Estimated value	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
NC Non-Chlorinated	ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit	S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Animas Environmental Services
 Project: Williams Sammons #2 Pipeline Spill

Work Order: 1010C42

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24325		MBLK									
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24325		LCS									
Diesel Range Organics (DRO)	5.309	mg/L	1.0	5	0	106	74	157			
Sample ID: LCSD-24325		LCSD									
Diesel Range Organics (DRO)	5.174	mg/L	1.0	5	0	103	74	157	2.56	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1010C42-01A MSD		MSD									
Gasoline Range Organics (GRO)	0.4982	mg/L	0.050	0.5	0	99.6	74.6	134	1.09	17	
Sample ID: 5ML RB		MBLK									
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		LCS									
Gasoline Range Organics (GRO)	0.5088	mg/L	0.050	0.5	0	102	83.7	124			
Sample ID: 1010C42-01A MS		MS									
Gasoline Range Organics (GRO)	0.4928	mg/L	0.050	0.5	0	98.6	74.6	134			
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 5ml-rb		MBLK									
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: b4		MBLK									
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		LCS									
Benzene	18.69	µg/L	1.0	20	0	93.5	84.6	109			
Toluene	18.54	µg/L	1.0	20	0	92.7	81	114			
Sample ID: 100ng lcs2		LCS									
Benzene	18.50	µg/L	1.0	20	0	92.5	84.6	109			
Toluene	18.74	µg/L	1.0	20	0	93.7	81	114			

Qualifiers:

E Estimated value
 J Analyte detected below quantitation limits
 ND Not Detected at the Reporting Limit
 H Holding times for preparation or analysis exceeded
 NC Non-Chlorinated
 R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name ANIMAS ENVIRONMENTAL

Date Received:

10/29/2010

Work Order Number 1010C42

Received by: LNM

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: Greyhound

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Not Shipped <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Number of preserved bottles checked for pH:
Water - Preservation labels on bottle and cap match?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>	<2 >12 unless noted below.
Container/Temp Blank temperature?	3.9°	<6° C Acceptable If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

[illegible]☒ Standard ☐ Rush

Project Name:

Project Name: Williams Summons # 2 Pipeline Spill

Project #:-

09/2014

Project Manager:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other

Sampler: N. Willis

☐ EDD (Type)

Date	Time	Matrix	Sample Request ID
------	------	--------	-------------------

Matrix

Sample Request ID

Container Type and #	Preservative Type
-------------------------	----------------------

Preservative
Type

10/28/10	1036	H ₂ O	MW-1	6-40 mL glass	5-HCl	1
	1124		MW-2			2
	1159		MW-3			3
	1236		MW-4			4
	1316		MW-5			5
	1400		MW-6			6

2-40ml glass	2-HCl
--------------	-------

2-HCl

Date:	Time:	Relinquished by:	Received by:	Date	Time

Received by:	Date	Time
--------------	------	------

Date:	Time:	Relinquished by:	Received by:	Date	Time

Received by:	Date	Time
<i>[Signature]</i>	<i>11/1</i>	<i>11</i>

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.