GW-015

2nd QTR 2010 GW monitoring Report

DATE:
Jan. 4, 2011

370 17th Street, Suite 2500
Denver, Colorado 80202
303-605-1893 – main
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January 4, 2011

Mr. Leonard Lowe
Environmental Bureau Chief
New Mexico Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

RE: 2nd 2010 Semi Annual Groundwater Monitoring Report
DCP Linam Ranch Gas Plant (GW-015)
Unit B, Section 6, Township 19 South, Range 37 East

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review one copy of the 2nd 2010 Semi Annual Groundwater Monitoring Report for the DCP Linam Ranch Gas Plant located in Lea County, New Mexico (Unit B Section 6, Township 19 South, Range 37 East).

The groundwater sampling and abandonment events were completed on September 16, 2010. The data indicate that the groundwater conditions remain stable. The next monitoring event is scheduled for the first half of 2011.

If you have any questions regarding the report, please call at 303-605-1695 or e-mail me CECole@dcpmidstream.com .

Sincerely,

DCP Midstream, LP

Chandler E Cole.
Senior Environmental Specialist

Enclosure

cc: Larry Johnson – OCD District Office, Hobbs
Environmental Files

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

November 22, 2010

Mr. Chandler Cole
DCP Midstream, LP
370 Seventeenth Street, Suite 2500
Denver, Colorado 80202

Subject: Report on the Second 2010 Semiannual Groundwater Monitoring Event
Linam Ranch Gas Plant, Lea County, New Mexico **GW-015**
Unit B, Section 6, Township 19 South, Range 37 East

Dear Chandler:

This letter summarizes the activities completed and provides conclusions on the second 2010 semiannual groundwater-sampling event at the DCP Midstream, LP (DCP) Linam Ranch Gas Plant in Lea County New Mexico. The facility is located in New Mexico Oil Conservation Division (OCD) designated Unit B, Section 6, Township 19 South, Range 37 East (Figure 1). The coordinates are 32.6965 degrees north, 103.2883 degrees west. The facility is an active gas-processing plant.

Ongoing semiannual groundwater monitoring began in 1997. The 13 monitoring well locations are shown on Figure 2. Construction information for the wells is included in Table 1. Well MW-12 was abandoned in April 2009 because of safety concerns due to its proximity to the flare.

The sampling was completed on September 28, 2010 and September 29, 2010. The activities completed included the measurement of fluid levels in all monitoring wells and the sampling of the wells that contained sufficient water and did not contain measurable free phase hydrocarbons (FPH).

These fluid measurements are summarized in Table 2 along FPH thicknesses and the resulting corrected groundwater elevations. Well MW-7 was dry. The water-table elevations for the wells containing FPH were estimated using the following formula:

$GWE_{corr} = MGWE + (FPHT*PD)$: where

- MGWE is the actual measured groundwater elevation;
- FPHT is the measured free-phase hydrocarbon thickness; and
- PD is the free phase hydrocarbon density (assumed 0.81 based upon historic data).

The historic water-table elevation data are summarized in Table 3. Hydrographs for select wells are included on Figure 3. The water table rose in all wells as a result of the heavy precipitation in the early summer of 2010. It rose the most in MW-2 due to enhanced recharge that results from ephemeral ponding during periods of enhanced and prolonged precipitation.

A water-table contour map for the data for this event was generated using the program Surfer® with its kriging option (Figure 4). Groundwater flow remained toward the southeast even with the water table increase at MW-2. The groundwater gradient event continued to decrease southeast of the operational area as it has done in the past.

The historical FPH thickness in MW-4 and MW-6 are graphed in Figure 5. The FPH thickness decreased in both wells probably as a response to the rise in the water table.

Ten wells were purged and sampled using the standard protocols for this site. Wells MW-4 and MW-6 were not sampled because they contained FPH. Well MW-7 was not sampled because it was dry.

The wells were purged using dedicated bailers until a minimum of three casing volumes of water were removed and the field parameters temperature, pH and conductivity had stabilized. The well purging forms are attached. The affected purge water was disposed of at the DCP Linam Ranch Facility.

Unfiltered samples were collected following purging using the same dedicated bailers. All samples were placed in an ice-filled chest immediately upon collection and delivered to the analytical laboratory using standard chain-of-custody protocols. The samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method SW846 8260B.

A duplicate sample was collected from MW-2. A matrix spike, matrix spike duplicate was collected from MW-13. The quality control evaluation can be summarized as follows:

- All of the samples were analyzed within the required holding times;
- The BTEX constituents in the trip blank were all below their method detection limits;
- All of the individual surrogate spikes were within their control limits;
- The method blank and blank spike evaluations were all acceptable;
- The matrix spike and matrix spike duplicate results were all within their acceptable ranges; and
- The BTEX constituents in both the primary and duplicate samples were all nondetect.

The quality control results indicate that the data is suitable for groundwater monitoring evaluation.

The analytical results are summarized in Table 4 and the laboratory report is attached. None of the down-gradient boundary wells MW-2, MW-3, MW-8, MW-9 and MW-13 contained BTEX constituents above the method reporting limits.

The constituents that exceed the potentially applicable New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are highlighted in Table 4. The samples from MW-10 and MW-10d exceeded the benzene standard. There were no other exceedances in the samples collected.

Benzene isopleths generated by the Surfer® program using the kriging option are plotted on Figure 6 for the data from this event. Figure 6 indicates the following:

1. There appears to be two hydrocarbon source areas. The first area includes wells MW-4, MW-5 and MW-6. The second is associated with the MW-10/MW-10D monitoring well cluster.

2. Any dissolved-phase BTEX constituents that are released into the groundwater from the MW-4, MW-5, MW-6 source area attenuate to concentrations below the method reporting limits before encountering any boundary wells MW-2 and MW-8.

3. The elevated dissolved-phase BTEX constituents that are measured at MW-10 and MW-10D attenuate to concentrations that are below the method reporting limits before encountering down gradient wells MW-9 and MW-13.

4. The attenuation patterns described for above the two sources have remained constant since the middle of 2001.

5. There is an additional 1,000-foot buffer zone that extends from from the boundary wells to the down-gradient DCP property boundary at or near well MW-3 (Figure 6).

The historical data for all wells is summarized in Table 5 for benzene, Table 6 for toluene, Table 7 for ethylbenzene and Table 8 for total xylenes. Figure 7 graphs the benzene concentration verses time relationship for MW-5. The benzene concentration declined in a manner that duplicates similar historic trends.

Time-benzene graphs for MW-10 and MW-10D are included in Figure 8. The benzene concentration increased slightly in MW-10 and decreased sharply in MW-10D. The benzene concentration remains in the middle of the historic concentration ranges for both wells. The dissolved-phase hydrocarbon plume does not appear to be expanding from this area based upon the non-detects in down-gradient wells MW-9 and MW-13 as discussed in bullet 3 immediately above.

The above results, particularly the lack of detectable BTEX in the down-gradient wells, indicate that the plume is not expanding. Also, the land to the east and the south of the facility that is owned by DCP provides an additional down-gradient buffer as discussed in bullet 5 above.

AEC recommends no additional activities other than continued semiannual groundwater sampling be completed at this site. The next semi-annual groundwater-monitoring episode is scheduled for the first half of 2011. Do not hesitate to contact me if you have any questions or comments on this report or any other aspects of the projects.

Sincerely,
AMERICAN ENVIRONMENTAL CONSULTING, LLC

Michael H. Stewart

Michael H. Stewart, PE
Principal Engineer

MHS/tbm
attachment

TABLES

Table 1 – Linam Ranch Gas Plant Well Construction Summary

Well	Well Elevation (Top of Casing)	Well Depth (TOC)	Well Diameter
	(feet)	(feet)	(inches)
MW-1	3718.29	54.20	2
MW-2	3714.80	50.50	2
MW-3	3715.50	55.30	2
MW-4	3720.46	54.13	4
MW-5	3721.53	55.20	4
MW-6	3720.99	54.10	4
MW-7	3728.57	62.50	2
MW-8	3714.18	58.30	4
MW-9	3720.48	59.10	2
MW-10	3720.76	65.00	4
MW-10D	3720.85	79.00	2
MW-11	3722.02	62.80	4
MW-13	3721.63	63.00	4

Well MW-12 plugged and abandoned 4/29/09

Table 2 –Linam Ranch Gas Plant September 2010 Gauging Data

Well	Depth to Water	Depth to Product	Free Phase Hydrocarbon Thickness	Corrected Water Table Elevation
MW-1	44.05			3676.13
MW-2	41.60			3675.64
MW-3	47.80			3669.90
MW-4	46.59	46.57	0.02	3675.88
MW-5	47.10			3676.50
MW-6	48.00	46.57	1.43	3676.17
MW-7	DRY			
MW-8	42.46			3673.72
MW-9	50.97			3671.51
MW-10	50.70			3672.20
MW-10D	51.91			3671.63
MW-11	51.49			3673.04
MW-13	52.40			3671.59

All units are feet

Table 3 - Linam Ranch Gas Plant Summary of Historic Groundwater Elevation Data

Well	12/1/92	5/22/94	5/17/95	11/14/95	1/17/96	4/24/96	1/22/97	8/15/97	1/22/98	7/20/98	2/9/99	8/24/99	2/21/00	8/17/00	2/6/01	8/2/01
MW-1		3676.28	3674.68		3676.23	3675.37	3674.45	3674.63	3674.19	3673.67	3673.76	3675.21	3675.41	3676.71	3676.99	3674.81
MW-2		3682.29	3673.49				3673.19		3672.80	3672.37	3672.41	3674.43	3672.68	3679.43	3674.05	3672.69
MW-3		3671.47	3670.72	3671.30		3671.13	3670.47		3669.96	3669.80	3669.59	3669.68	3669.51	3669.68	3669.48	3669.31
MW-4	3677.10	3676.96	3675.43	3675.75	3676.27	3675.50	3674.29	3674.12	3674.52	3673.76	3674.45	3675.44	3675.81	3676.07	3675.39	3674.80
MW-5	3677.65	3677.33	3675.43	3676.62	3676.23	3675.51	3674.35	3673.96	3674.74	3674.21	3674.84	3675.47	3675.84	3675.66	3675.24	3674.82
MW-6	3676.87	3676.70	3674.87	3676.80	3676.18	3676.37	3674.21	3673.91	3674.21	3673.59	3673.84	3674.86	3675.11	3675.61	3674.75	3674.15
MW-8		3674.83	3672.73		3674.47	3673.36	3672.78	3672.04	3671.87	3671.61	3671.48	3672.56	3671.93	3674.66	3672.60	3671.26
MW-9		3672.89	3671.88	3672.46	3672.64	3672.40	3671.52	3671.14	3671.00	3670.90	3670.67	3670.89	3670.78	3670.92	3670.86	3670.62
MW-10			3672.45	3673.05	3673.08	3672.75	3671.78	3671.41	3671.33	3671.22	3671.02	3671.39	3671.24	3671.53	3671.36	3671.06
MW-10D			3672.16	3672.91	3672.81	3672.36	3671.43	3671.07	3671.13	3670.99	3670.78	3671.03	3670.98	3671.29	3670.97	3670.76
MW-11			3673.03	3674.19	3673.88	3673.31	3672.21	3671.81	3672.01	3671.88	3671.68	3672.06	3672.09	3672.47	3672.22	3671.79
MW-12			3672.37	3673.32	3673.25	3672.75	3671.74	3671.40	3671.34	3671.18	3671.00	3671.59	3671.33	3671.86	3671.50	3671.07
MW-13			3672.02	3672.57	3672.66	3672.34	3671.43	3671.05	3670.93	3670.80	3670.60	3670.94	3670.74	3671.04	3670.88	3670.58

Well	3/11/02	9/25/02	3/8/03	9/17/03	3/16/04	8/17/04	3/15/05	9/29/05	3/22/06	9/21/06	3/20/07	9/28/07	4/30/08	9/15/08	4/29/09
MW-1	3674.04	3674.43	3674.32	3673.80	3674.30	3676.59	3682.86	3684.83	3684.08	3682.25	3677.05	3677.62	3677.57	3675.05	3674.29
MW-2	3672.07	3672.26	3672.21	3671.69	3671.26	3679.10	3679.39	3678.22	3676.04	3681.68	3674.88	3693.79	3693.74	3673.08	3672.78
MW-3	3669.14	3669.03	3669.06	3668.87	3668.63	3669.00	3671.37	3671.52	3671.63	3672.00	3671.45	3671.31	3671.26	3670.30	3669.92
MW-4	3674.59	3675.13	3674.60	3674.16	3674.04	3675.77	3681.85	3682.38	3682.04	3680.94	3677.98	3677.77	3676.48	3675.63	3675.14
MW-5	3675.07	3674.99	3674.81	3674.32	3674.32	3674.32	3680.24	3680.65	3680.66	3680.23	3678.70	3677.03	3676.98	3675.93	3675.97
MW-6	3674.30	3674.61	3674.12	3673.55	3673.07	3674.68	3680.13	3677.46	3677.42	3677.37	3677.70	3677.21	3675.96	3674.92	3674.28
MW-8	3671.51	3671.59	3671.59	3670.71	3670.67	3673.30	3676.74	3677.01	3675.71	3677.09	3674.32	3681.16	3672.09	3672.47	3672.01
MW-9	3670.61	3670.61	3670.68	3670.48	3670.15	3670.28	3673.36	3673.66	3674.00	3673.41	3673.42	3672.65	3681.10	3672.20	3671.77
MW-10	3671.10	3671.13	3671.17	3670.87	3670.52	3670.84	3674.42	3674.35	3674.69	3674.13	3673.99	3673.14	3674.08	3672.69	3672.22
MW-10D	3670.84	3670.81	3670.85	3670.46	3670.28	3670.51	3673.72	3674.03	3674.05	3673.75	3674.92	3672.70	3672.59	3672.31	3671.64
MW-11	3672.02	3672.05	3672.00	3671.49	3671.02	3671.67	3675.45	3675.54	3675.68	3675.30	3674.52	3673.80	3672.58	3673.15	3672.74
MW-12	3671.01	3671.09	3671.15	3670.81	3670.36	3671.10	3674.97	3674.46	3674.64	3674.52	NS	NS	NS	NS	NS
MW-13	3670.50	3670.50	3670.57	3670.32	3669.95	3670.31	3673.69	3673.61	3673.56	3673.50	3677.05	3672.57	3672.50	3672.06	3671.60

NS: Not sampled due to safety concerns, all units in feet

Table 3 - Linam Ranch Gas Plant Summary of Historic Groundwater Elevation Data (continued)

Well	9/24/09	3/24/10	9/28/10
MW-1	3674.11	3673.97	3676.13
MW-2	3672.50	3672.10	3675.64
MW-3	3669.92	3669.55	3669.90
MW-4	3674.89	3674.95	3675.88
MW-5	3675.71	3675.71	3676.50
MW-6	3673.93	3673.70	3676.17
MW-8	3671.99	3671.31	3673.72
MW-9	3671.38	3671.03	3671.51
MW-10	3671.75	3671.43	3672.20
MW-10D	3671.22	3671.28	3671.63
MW-11	3672.32	3671.93	3673.04
MW-13	3671.25	3670.91	3671.59

(all units in feet)

Table 4 –Linam Ranch Gas Plant September 2010 Sampling Results

Well	Benzene	Toluene	Ethylbenzene	Xylenes
NMWQCC	0.01	0.75	0.75	0.62
MW-1	0.00039J	<0.002	<0.002	<0.004
MW-2	<0.001	<0.002	<0.002	<0.004
MW-2 DUP	<0.001	<0.002	<0.002	<0.004
MW-3	<0.001	<0.002	<0.002	<0.004
MW-4	FPH			
MW-5	0.0095	<0.004	0.188	<0.008
MW-6	FPH			
MW-7	DRY			
MW-8	<0.001	<0.002	<0.002	<0.004
MW-9	<0.001	<0.002	<0.002	<0.004
MW-10	**1.9**	0.0547J	0.24	0.104J
MW-10D	**0.0402**	0.036	0.006J	0.0077J
MW-11	0.0036	<0.002	<0.002	0.004
MW-13	<0.001	<0.002	<0.002	<0.004
TRIP BLANK	<0.001	<0.002	<0.002	<0.004

NMWQCC: New Mexico Water Quality Control Commission groundwater standards.
Bolded cells exceed the NMWQCC standard
All units mg/l
FPH: Free phase hydrocarbons present so no samples collected
DRY: Not sampled because of insufficient water.
MW-12 was plugged and abandoned in April 2009

Table 5 - Linam Ranch Gas Plant Summary of Historical Results for Benzene

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13
9/20/1991	0.0053	<0.001	<0.001											
11/3/1992	0.0015			16.0	0.003	0.34								
12/2/1992	0.0013			17.0	0.009	0.52								
1/12/1994	0.0039			18.0	0.300	0.77		<0.001						
5/17/1995	<0.002	<0.001	<0.001	20.9	0.090	0.98	<0.001	<0.001	<0.001	3.225	0.096	<0.001	<0.001	<0.001
11/14/1995									<0.001	5.23	0.125	0.306	<0.001	0.003
1/17/1996									0.001	6.11	0.841	0.549	<0.001	<0.001
4/24/1996									<0.001	6.94	8.14	0.52	<0.001	<0.001
1/22/1997									<0.001	6.41	0.365	0.267	<0.001	0.048
8/15/1997									<0.001	5.63	0.221	0.164	0.001	0.132
1/22/1998									<0.001	7.03	<0.001	0.291	<0.001	0.082
7/20/1998									<0.001	7.18	0.184	0.061	0.002	0.061
2/9/1999			<0.001						0.011	4.87	0.009	0.018	0.001	0.082
8/25/1999	<0.005	<0.005	<0.001		0.137		<0.005	<0.001	<0.005	5.58	0.036	0.005	0.003	0.062
2/22/2000	<0.005	<0.005	<0.001		0.068		<0.005	<0.005	0.014	2.35	0.014	0.02	<0.001	0.08
8/18/2000	<0.001	<0.001	<0.005		<0.005		<0.005	0.002	0.036	3.11	<0.005	0.009	<0.005	0.04
2/7/2001	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	1.23	<0.005	0.013	<0.001	0.023
8/2/2001	0.003	0.007	0.002		<0.005		<0.005	<0.001	0.038	1.64	<0.001	0.002	<0.001	0.002
3/11/2002	<0.001	<0.001	<0.001	17.9	0.062		<0.001	<0.001	0.048	3.26	0.002	0.005	<0.001	<0.001
9/25/2002	<0.005	<0.001	<0.001	18.8	0.381	1.29	<0.005	<0.001	0.071	3.48	<0.001	0.002	<0.001	<0.001
3/10/2003	<0.001	<0.001	<0.001	16.9	0.079	0.16	<0.005	<0.001	0.077	4.21	<0.005	<0.001	<0.001	<0.001
9/17/2003	<0.001	<0.001	<0.001	15.8	0.116		<0.001	<0.005	<0.005	1.34	<0.005	<0.005	<0.005	<0.005
3/16/2004	<0.001	<0.001	<0.001	17.8	0.146		<0.001	<0.001	<0.001	0.456	<0.001	<0.001	<0.001	<0.001
8/18/2004	<0.001	<0.001	<0.001	16.6	0.012		<0.001	<0.001	<0.001	1.3	0.011	0.003	<0.001	<0.001
3/15/2005	<0.001	<0.001	<0.001		0.262		<0.001	<0.001	0.0061	3.91	0.107	0.0264	<0.001	<0.001
9/29/2005	0.0067	<0.001	<0.001		0.63		<0.001	<0.001	0.0029	1.67	0.0703	<0.001	<0.001	<0.001
3/22/2006	0.0028	<0.001	<0.001		0.569		<0.001	<0.001	0.0023	1.48	0.224	<0.001	<0.005	<0.001
9/21/2006	0.0011	<0.001	<0.001		1.06		<0.001	<0.001	0.001	1.19	0.0537	<0.001	<0.001	<0.001
3/20/2007	<0.001	<0.001	<0.001		0.252		<0.001	<0.001	<0.001	1.13	0.0736	<0.001		<0.001
9/28/2007	<0.001	<0.001	<0.001		0.07375		<0.001	<0.001	<0.001	1.18	0.218	<0.001		<0.001
4/30/2008	<0.002	<0.002	<0.002		0.0108		<0.002	<0.002	<0.002	0.769	0.195	<0.002		<0.002
9/15/2008	<0.002	<0.002	<0.002		0.0469			<0.002	<0.002	0.801	0.216	<0.002		<0.002
3&4/2009	<0.002	<0.002	<0.002		0.0095			<0.002	<0.00046	0.883	0.179	<0.00046		<0.00046
9/24/2009	<0.002	<0.002	<0.002		0.0272			<0.002	<0.002	1.07	0.103	<0.002		<0.002
3/24/2010	<0.002	<0.002	<0.002		0.13			<0.002	<0.002	1.64	0.196	<0.002		<0.002
9/28/2010	0.00039	<0.001	<0.001		0.0095			<0.001	<0.001	1.9	0.0402	0.0036		<0.001

1) All units mg/l and duplicate values are averaged: 2) MW-12 Not sampled after 9/06 due to safety concerns:
3) Modifiers are not included: 4) Blank cells note samples for wells that were either not installed or not sampled

Table 6 - Linam Ranch Gas Plant Summary of Historical Results for Toluene

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13
9/20/1991	0.0067	<0.001	0.0021											
11/3/1992	0.0015			8.0	0.0034	0.023								
12/2/1992	0.0014			8.2	0.0041	0.020								
1/12/1994	<0.001			10.0	0.190	0.0029		<0.005						
5/17/1995	<0.002	<0.001	<0.001	1.35	0.014	0.007	<0.001	<0.001	<0.001	0.052	0.004	<0.001	<0.001	<0.001
11/14/1995									<0.001	0.001	0.001	<0.001	<0.001	<0.001
1/17/1996									<0.001	0.863	0.001	0.004	<0.001	<0.001
4/24/1996									<0.001	<0.010	0.046	<0.002	<0.001	<0.001
1/22/1997									<0.001	1.63	<0.005	<0.001	<0.001	<0.001
8/15/1997									<0.001	1.35	<0.01	<0.001	<0.001	<0.001
1/22/1998									<0.001	1.93	<0.001	0.004	<0.001	<0.001
7/20/1998									<0.001	2.34	0.014	<0.001	<0.001	<0.001
2/9/1999			<0.001						<0.001	0.32	<0.005	<0.001	<0.001	<0.001
8/25/1999	<0.005	<0.005	<0.001		0.037		<0.005	<0.001	<0.005	0.658	<0.001	<0.001	<0.001	<0.001
2/22/2000	<0.005	<0.005	<0.001		<0.005		<0.005	<0.005	<0.005	0.129	<0.005	<0.001	<0.001	<0.001
8/18/2000	<0.001	<0.001	<0.005		<0.005		<0.005	<0.001	<0.005	0.025	<0.005	<0.005	<0.005	<0.005
2/7/2001	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	0.082	<0.005	<0.001	<0.001	<0.005
8/2/2001	<0.001	<0.001	<0.001		<0.005		<0.005	<0.001	<0.001	<0.02	<0.001	<0.001	<0.001	<0.001
3/11/2002	<0.001	<0.001	<0.001	<0.100	<0.001		<0.001	<0.001	<0.001	0.178	<0.001	<0.001	<0.001	<0.001
9/25/2002	<0.005	<0.001	<0.001	<0.100	<0.050	<0.050	<0.005	<0.001	<0.001	<0.100	<0.001	<0.001	<0.001	<0.001
3/10/2003	<0.001	<0.001	<0.001	<0.100	<0.050	<0.100	<0.005	<0.001	<0.001	<0.100	<0.005	<0.001	<0.001	<0.001
9/17/2003	<0.001	<0.001	<0.001	<0.200	<0.001		<0.001	<0.005	<0.005	0.006	<0.005	<0.005	<0.005	<0.005
3/16/2004	<0.001	<0.001	<0.001	<0.200	<0.001		<0.001	<0.001	<0.001	<0.010	<0.001	<0.001	<0.001	<0.001
8/18/2004	<0.001	<0.001	<0.001	<0.100	<0.005		<0.001	<0.001	<0.001	<0.020	<0.001	<0.001	<0.001	<0.001
3/15/2005	<0.001	<0.001	<0.001		<0.005		<0.001	<0.001	<0.001	0.303	0.0444	<0.005	<0.001	<0.001
9/29/2005	<0.001	<0.001	<0.001		<0.0100		<0.001	<0.001	<0.001	0.39	0.0453	<0.001	<0.001	<0.001
3/22/2006	<0.001	<0.001	<0.001		<0.0100		<0.001	<0.001	<0.001	0.254	0.0614	<0.001	<0.005	<0.001
9/21/2006	<0.001	<0.001	<0.001		0.0069		<0.001	<0.001	<0.001	0.197	0.0378	<0.001	<0.001	<0.001
3/20/2007	<0.001	<0.001	<0.001		<0.005		<0.001	<0.001	<0.001	0.212	0.0563	<0.001		<0.001
9/28/2007	<0.001	<0.001	<0.001		<0.001		<0.001	<0.001	<0.001	0.246	0.0902	<0.001		<0.001
4/30/2008	<0.002	<0.002	<0.002		<0.002		<0.002	<0.002	<0.002	0.0457	0.0677	<0.002		<0.002
9/15/2008	<0.002	<0.002	<0.002		0.0008			<0.002	<0.002	0.0508	0.0883	<0.002		<0.002
3&4/2009	<0.002	<0.002	<0.002		<0.002			<0.002	<0.00048	0.230	0.0772	<0.00048		<0.00048
9/24/2009	<0.002	<0.002	<0.002		<0.002			<0.002	<0.002	0.126	0.0496	<0.002		<0.002
3/24/2010	<0.002	<0.002	<0.002		<0.002			<0.002	<0.002	0.175	0.0703	<0.002		<0.002
9/28/2010	<0.002	<0.002	<0.002		<0.004			<0.002	<0.002	0.0547J	0.0358	<0.002		<0.002

1) All units mg/l and duplicate values are averaged: 2) MW-12 Not sampled after 9/06 due to safety concerns: 3) Modifiers are not included:
4) Blank cells note samples for wells that were either not installed or not sampled

Table 7 - Linam Ranch Gas Plant Summary of Historical Results for Ethylbenzene

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13
9/20/1991	0.001	<0.001	<0.001											
11/3/1992	<0.001			0.7	0.003	0.051								
12/2/1992	<0.001			0.53	0.0082	0.058								
1/12/1994	0.0021			0.5	0.160	0.096		<0.005						
5/17/1995	<0.002	<0.001	<0.001	<0.2	0.138	0.087	<0.001	<0.001	<0.001	0.049	<0.001	<0.001	<0.001	<0.001
11/14/1995									<0.001	<0.001	<0.001	<0.001	<0.001	0.001
1/17/1996									<0.001	1.140	<0.001	0.002	<0.001	<0.001
4/24/1996									<0.001	1.190	1.170	<0.002	<0.001	<0.001
1/22/1997									<0.001	0.294	<0.005	<0.001	<0.001	<0.001
8/15/1997									<0.001	0.479	<0.01	0.002	<0.001	<0.001
1/22/1998									<0.001	0.802	<0.001	<0.001	<0.001	<0.001
7/20/1998									<0.001	0.777	0.008	<0.001	<0.001	<0.001
2/9/1999			<0.001						<0.001	0.516	<0.005	<0.001	<0.001	<0.001
8/25/1999	<0.005	<0.005	<0.001		0.262		<0.005	<0.001	<0.005	0.557	0.001	<0.001	<0.001	<0.001
2/22/2000	<0.005	<0.005	<0.001		0.13		<0.005	<0.005	<0.005	0.164	<0.005	0.002	<0.001	<0.001
8/18/2000	<0.001	<0.001	<0.005		0.006		<0.005	<0.001	<0.005	0.072	<0.005	<0.005	<0.005	<0.005
2/7/2001	<0.005	<0.005	<0.005		0.084		<0.005	<0.005	<0.005	0.102	<0.005	<0.001	<0.001	<0.005
8/2/2001	<0.001	<0.001	<0.001		<0.005		<0.005	<0.001	<0.001	0.119	<0.001	<0.001	<0.001	<0.001
3/11/2002	<0.001	<0.001	<0.001	0.450	0.097		<0.001	<0.001	<0.001	0.251	<0.001	<0.001	<0.001	<0.001
9/25/2002	<0.005	<0.001	<0.001	0.526	0.588	0.134	<0.005	<0.001	<0.001	0.290	<0.001	<0.001	<0.001	<0.001
3/10/2003	<0.001	<0.001	<0.001	0.520	0.072	0.148	<0.005	<0.001	<0.001	0.303	<0.005	<0.001	<0.001	<0.001
9/17/2003	<0.001	<0.001	<0.001	0.259	0.182		<0.001	<0.005	<0.005	0.110	<0.005	<0.005	<0.005	<0.005
3/16/2004	<0.001	<0.001	<0.001	0.512	0.241		<0.001	<0.001	<0.001	0.047	<0.001	<0.001	<0.001	<0.001
8/18/2004	<0.001	<0.001	<0.001	0.403	0.081		<0.001	<0.001	<0.001	0.119	0.001	<0.001	<0.001	<0.001
3/15/2005	<0.001	<0.001	<0.001		0.309		<0.001	<0.001	<0.001	0.888	0.0143	<0.005	<0.001	<0.001
9/29/2005	0.011	<0.001	<0.001		0.267		<0.001	<0.001	<0.001	0.238	0.0061	<0.001	<0.001	<0.001
3/22/2006	0.0013	<0.001	<0.001		0.239		<0.001	<0.001	<0.001	0.241	0.0295	<0.001	<0.005	<0.001
9/21/2006	<0.001	<0.001	<0.001		0.407		<0.001	<0.001	<0.001	0.204	0.0075	<0.001	<0.001	<0.001
3/20/2007	<0.001	0.0022	0.0022		0.1975		<0.001	<0.001	<0.001	0.222	<0.001	<0.001		<0.001
9/28/2007	<0.001	<0.001	<0.001		0.0374		<0.001	<0.001	<0.001	0.163	0.0212	<0.001		<0.001
4/30/2008	<0.002	<0.002	<0.002		0.182		<0.002	<0.002	<0.002	0.0851	0.0144	<0.002		<0.002
9/15/2008	<0.002	<0.002	<0.002		0.2375			<0.002	<0.002	0.0932	0.0235	<0.002		<0.002
3&4/2009	<0.002	<0.002	<0.002		0.104			<0.002	<0.00045	0.0859	0.0203	<0.00045		<0.00045
9/24/2009	<0.002	<0.002	<0.002		0.227			<0.002	<0.002	0.148	0.0127	<0.002		<0.002
3/24/2010	<0.002	<0.002	<0.002		0.482			<0.002	<0.002	0.246	0.0129	<0.002		<0.002
9/28/2010	<0.002	<0.002	<0.002		0.188			<0.002	<0.002	0.24	0.006J	<0.002		<0.002

1) All units mg/l and duplicate values are averaged: 2) MW-12 Not sampled after 9/06 due to safety concerns: 3) Modifiers are not included:
4) Blank cells note samples for wells that were either not installed or not sampled

Table 8 - Linam Ranch Gas Plant Summary of Historical Results for Total Xylenes

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-10D	MW-11	MW-12	MW-13
9/20/1991	<0.001	<0.001	<0.001											
11/3/1992	0.010			1.8	0.034	0.120								
12/2/1992	0.006			1.3	0.037	0.120								
1/12/1994	0.002			1.3	0.490	0.210		<0.005						
5/17/1995	<0.002	<0.001	<0.001	11.4	0.831	0.181	<0.001	<0.001	<0.001	0.169	0.008	<0.001	<0.001	<0.001
11/14/1995									<0.001	0.406	0.011	0.013	<0.001	<0.001
1/17/1996									0.001	1.050	0.047	0.031	<0.001	<0.001
4/24/1996									<0.001	0.127	0.076	<0.002	<0.001	<0.001
1/22/1997									<0.001	8.97	<0.005	0.017	<0.001	<0.001
8/15/1997									<0.001	0.453	<0.01	0.007	<0.001	0.005
1/22/1998									<0.001	0.635	<0.001	0.015	<0.001	<0.001
7/20/1998									<0.001	0.606	0.006	0.010	<0.001	<0.001
2/9/1999			<0.001						<0.001	0.372	<0.005	<0.001	<0.001	<0.001
8/25/1999	0.006	<0.005	<0.001		0.179		<0.005	<0.001	<0.005	0.359	0.002	<0.001	<0.001	<0.001
2/22/2000	0.006	<0.005	<0.001		0.09		<0.005	<0.005	<0.005	0.124	<0.005	0.008	<0.001	<0.001
8/18/2000	0.011	<0.001	<0.005		0.008		<0.005	<0.001	<0.005	0.038	<0.005	<0.005	<0.005	<0.005
2/7/2001	<0.005	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	0.086	<0.005	<0.001	<0.001	<0.005
8/2/2001	<0.001	<0.001	<0.001		<0.005		<0.005	<0.001	<0.001	<0.02	<0.001	<0.001	<0.001	<0.001
3/11/2002	<0.001	<0.001	<0.001	0.166	<0.001		<0.001	<0.001	<0.001	0.550	<0.001	<0.001	<0.001	<0.001
9/25/2002	<0.005	<0.001	<0.001	<0.100	0.112	0.058	<0.005	<0.001	0.002	0.155	<0.001	<0.001	<0.001	<0.001
3/10/2003	<0.001	<0.001	<0.001	0.151	<0.050	<0.100	<0.005	<0.001	0.003	<0.100	<0.005	<0.001	<0.001	<0.001
9/17/2003	<0.001	<0.001	<0.001	<0.200	<0.001		<0.001	<0.005	<0.005	0.044	<0.005	<0.005	<0.005	<0.005
3/16/2004	<0.001	<0.001	<0.001	<0.200	0.005		<0.001	<0.001	0.012	0.023	<0.001	<0.001	<0.001	<0.001
8/18/2004	<0.001	<0.001	<0.001	<0.100	<0.005		<0.00	<0.001	0.004	0.071	<0.001	<0.001	<0.001	<0.001
3/15/2005	<0.001	<0.001	<0.001		0.298		<0.001	<0.001	0.0049	1.09	0.0146	0.0115	<0.001	<0.001
9/29/2005	0.0081	<0.001	<0.001		0.327		<0.001	<0.001	<0.001	0.353	0.0119	<0.001	<0.001	<0.001
3/22/2006	<0.001	<0.001	<0.001		0.296		<0.001	<0.001	<0.001	0.304	0.0267	<0.001	<0.005	<0.001
9/21/2006	0.0017	<0.001	<0.001		0.178		0.0015	<0.001	<0.001	0.238	0.0205	<0.001	<0.001	<0.001
3/20/2007	<0.001	<0.001	<0.001		0.0221		<0.001	<0.001	0.0075	0.279	<0.001	<0.001		<0.001
9/28/2007	<0.001	<0.001	<0.001		<0.001		<0.001	<0.001	<0.001	0.213	0.0375	<0.001		<0.001
4/30/2008	<0.006	<0.006	<0.006		0.0039		<0.006	<0.006	0.05	0.05	<0.006	<0.006		<0.006
9/15/2008	<0.006	<0.006	<0.006		0.3400			<0.006	<0.006	0.0433	0.0347	<0.006		<0.006
3&4/2009	<0.006	<0.006	<0.006		<0.006			<0.006	<0.0014	0.0759	0.0296	<0.0014		<0.0014
9/24/2009	<0.006	<0.006	<0.006		<0.006			<0.006	<0.006	0.154	0.0261	<0.006		<0.006
3/24/2010	<0.006	<0.006	<0.006		0.460			<0.006	<0.006	0.156	0.0202	<0.006		<0.006
9/28/2010	<0.004	<0.004	<0.004		<0.008			<0.004	<0.004	0.104J	0.0077J	0.004		<0.004

1) All units mg/l and duplicate values are averaged: 2) MW-12 Not sampled after 9/06 due to safety concerns: 3) Modifiers are not included:
4) Blank cells note samples for wells that were either not installed or not sampled

FIGURES

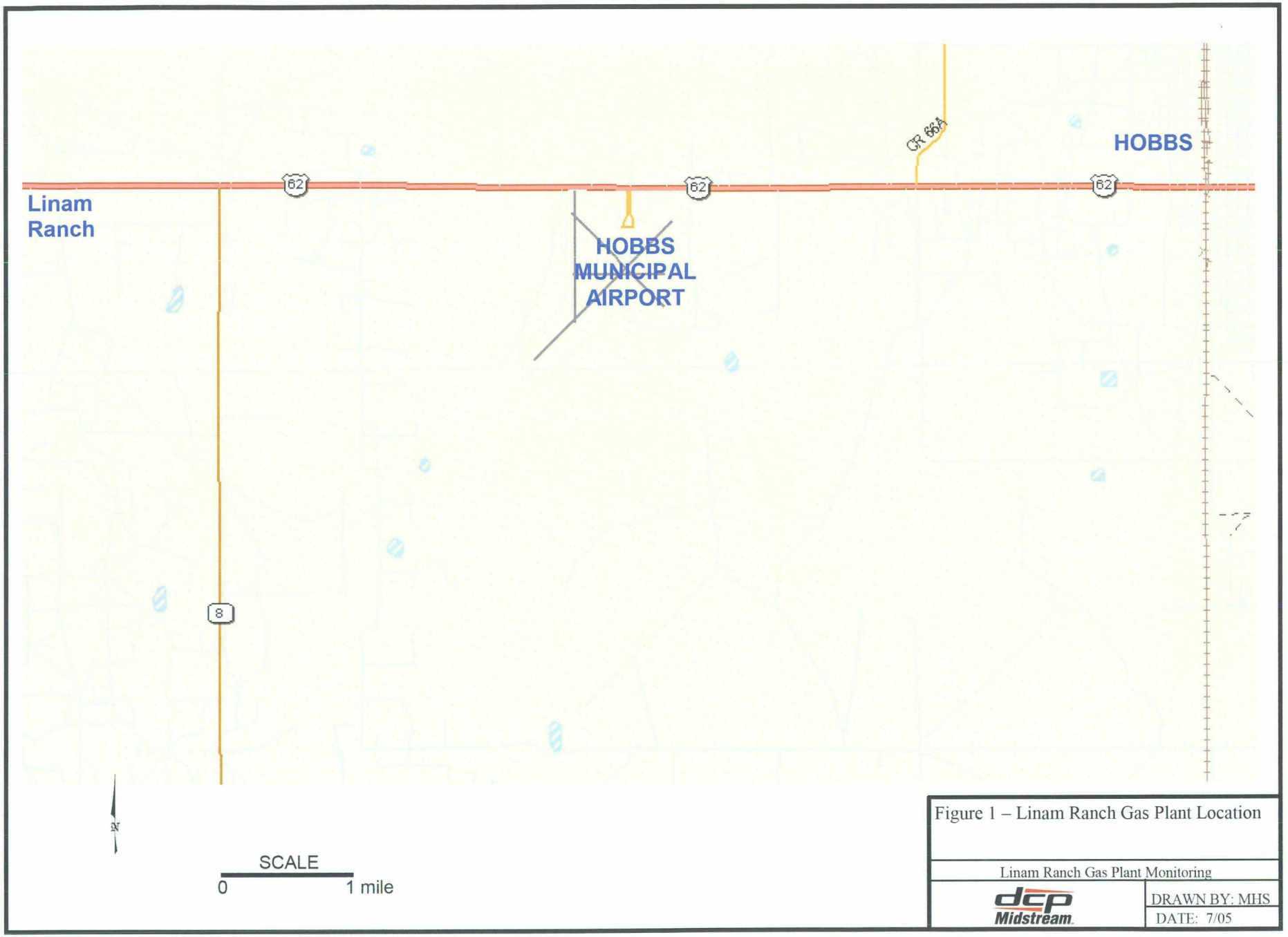


Figure 1 – Linam Ranch Gas Plant Location

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 7/05

Figure 2 – Monitor Well Locations

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY:	MHS
REVISED:	10/09
DATE:	6/07

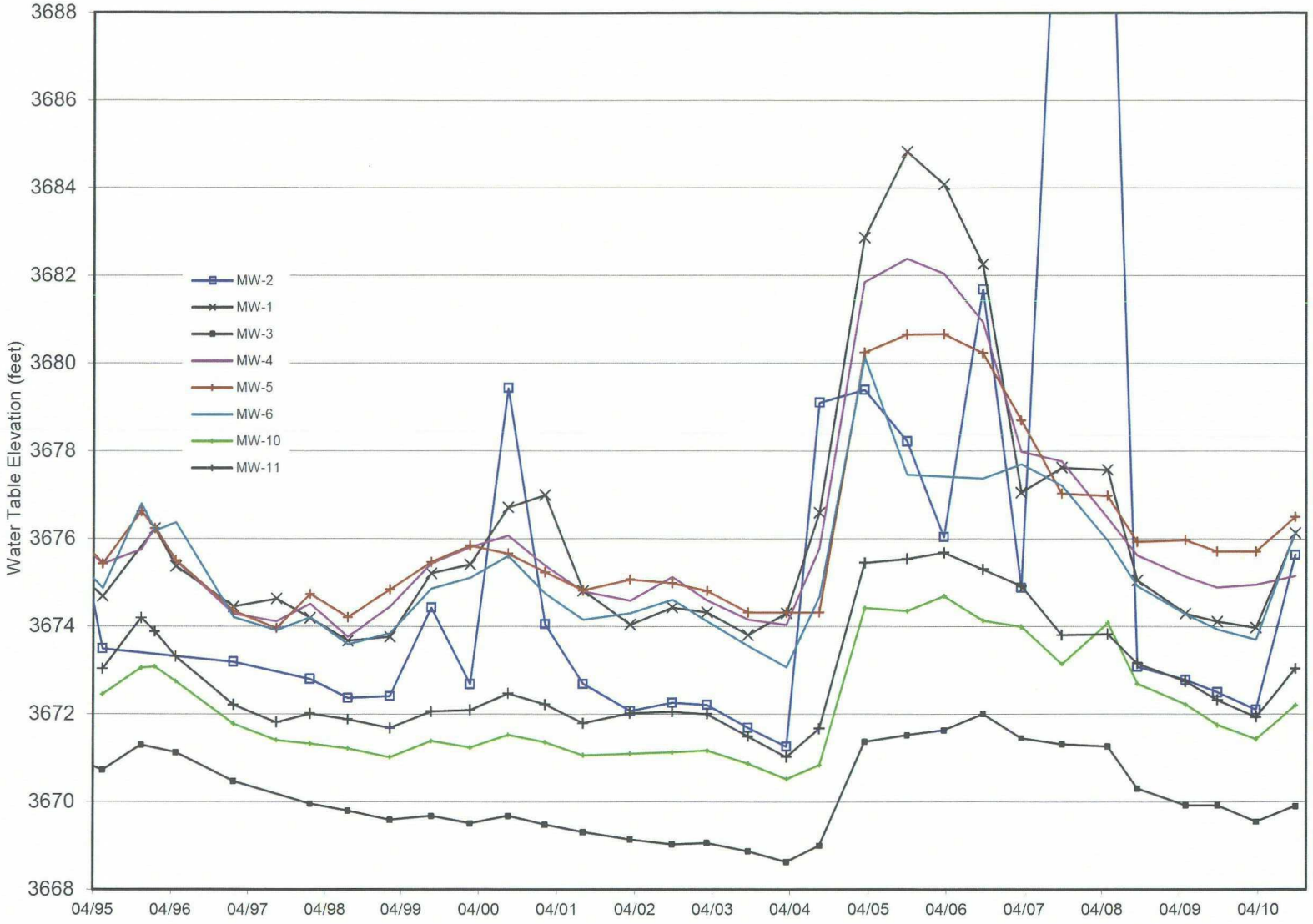


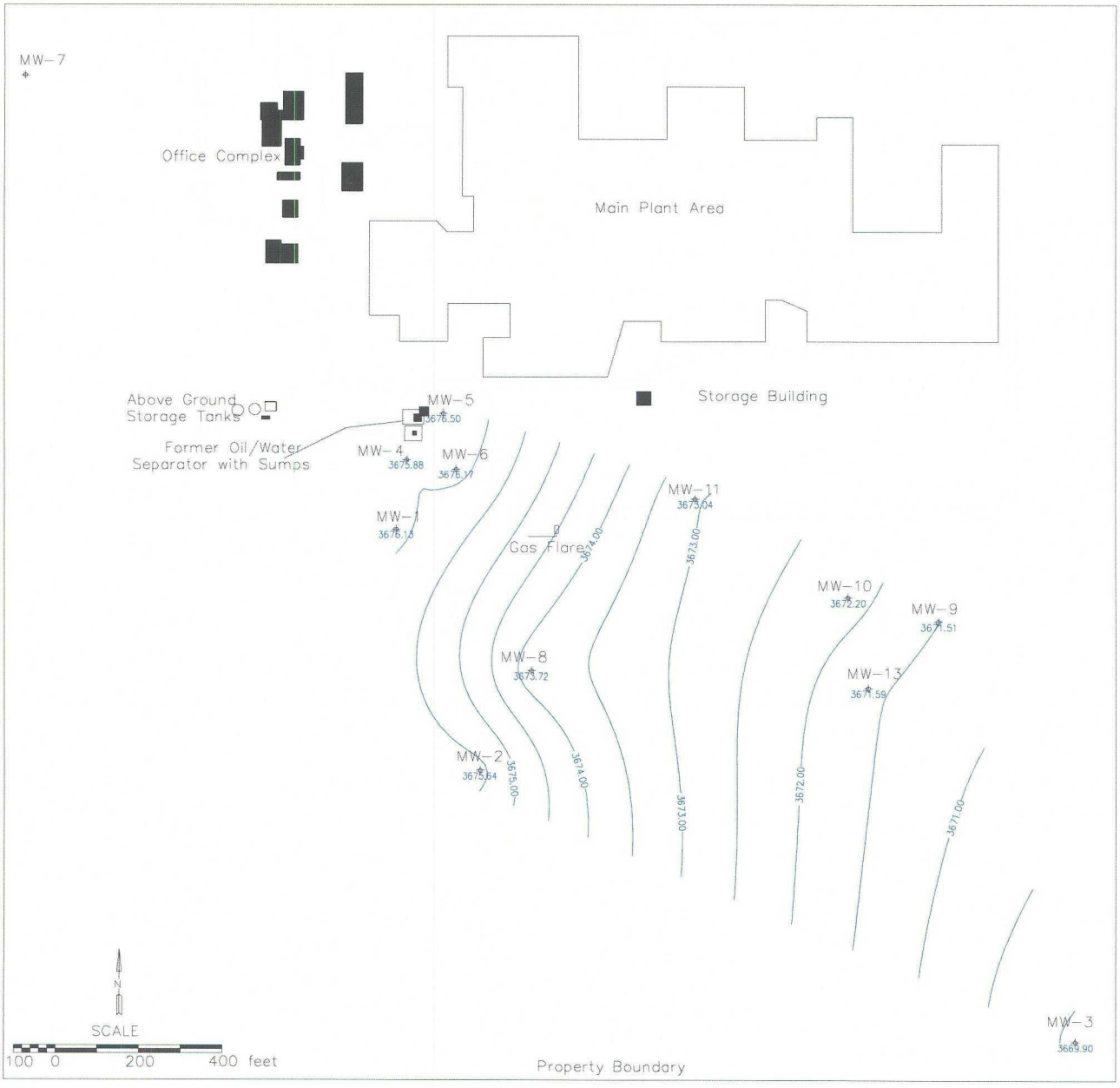
Figure 3 – Linam Ranch Gas Plant Hydrographs

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 11/10



Contour Interval is 0.5 feet

Figure 4 - September 2010 Water Table Elevations

Linam Ranch Gas Plant Monitoring

dcp Midstream.

DRAWN BY:	MHS
REVISED:	
DATE:	11/10

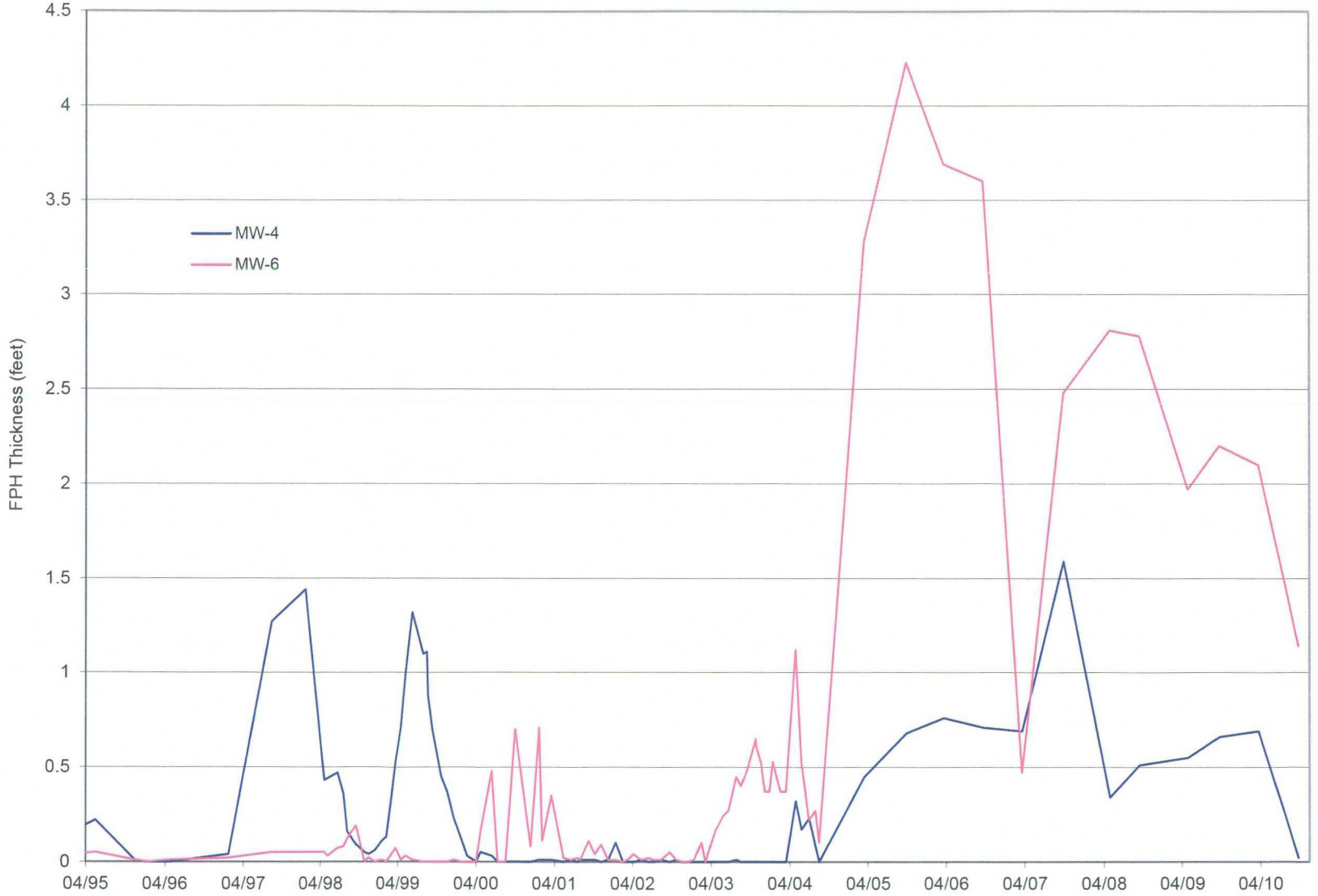


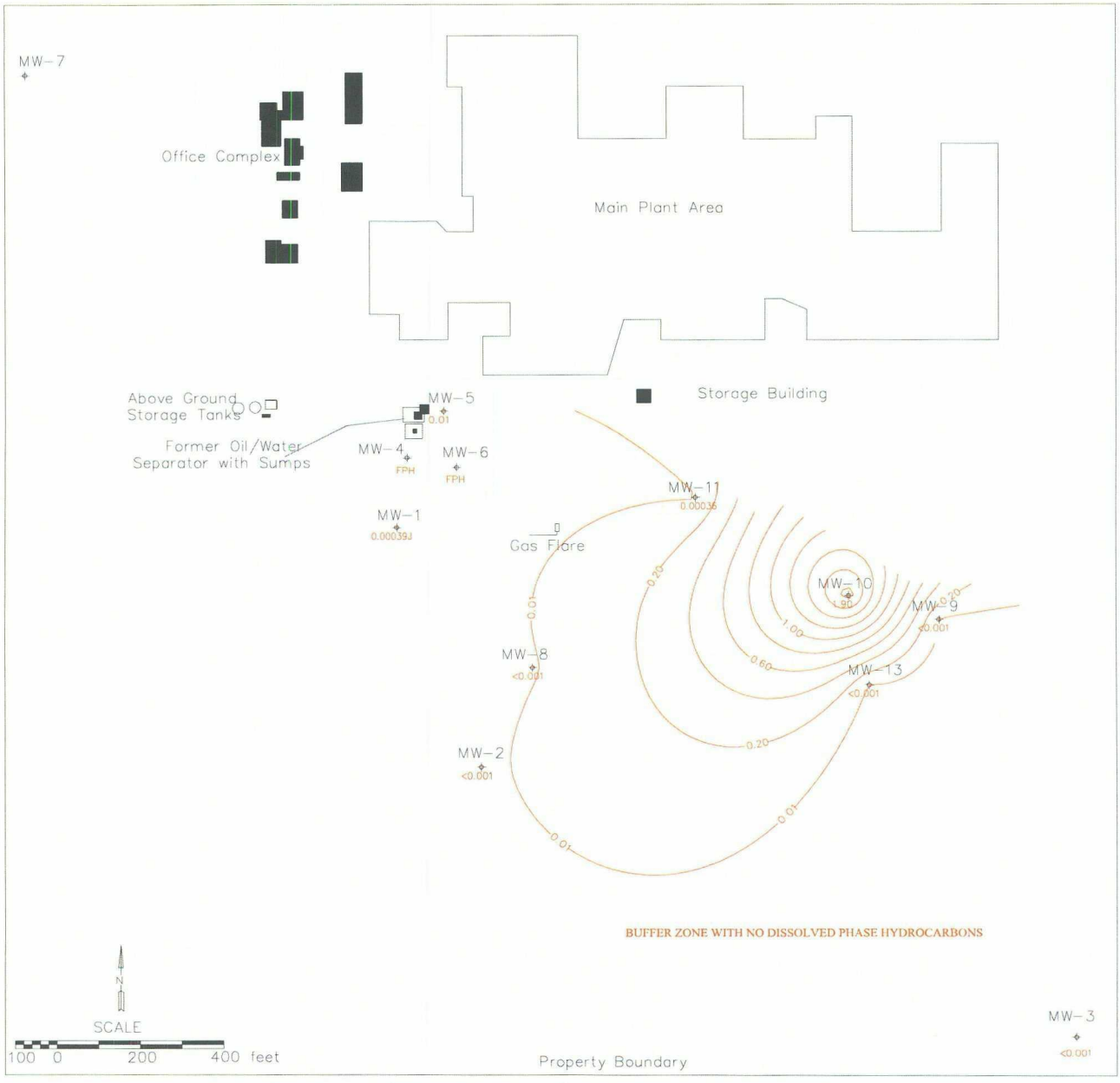
Figure 5 – Linam Ranch Free Phase Hydrocarbon Thickness

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 11/10



Contour Interval is 0.2 mg/l with an additional 0.01 mg/l isopleth
FPH: Free phase hydrocarbons

	Figure 6 - September 2010 Benzene Distribution Linam Ranch Gas Plant Monitoring dcp Midstream.	DRAWN BY: MHS REVISED: DATE: 11/10

Figure 7 – Benzene Concentrations in MW-5

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 11/10

Figure 8 – Benzene Concentrations for MW-10 and MW-10d

Linam Ranch Gas Plant Monitoring

dcp Midstream

DRAWN BY: MHS

DATE: 11/10

FIELD SAMPLING DATA AND

LABORATORY ANALYTICAL REPORT

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-1**
SITE NAME: Linam Ranch Gas Plant
DATE: 9/28-29/2010
PROJECT NO.
SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type:

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 54.20 Feet
DEPTH TO WATER: 44.05 Feet
HEIGHT OF WATER COLUMN: 10.15 Feet
WELL DIAMETER: 2.0 Inch

5.0 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.6	66.9	1.56	6.6			
	3.2	66.9	1.56	6.6			
	4.8	66.6	1.55	6.98			
			4.8 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-1

ANALYSES: 8260B

COMMENTS: Purged 3 casing volumes and measured because of instrument stability problems

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-2**
SITE NAME: Linam Ranch Gas Plant
DATE: 9/28-29/2010
PROJECT NO.
SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type:

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 50.50 Feet
DEPTH TO WATER: 41.60 Feet
HEIGHT OF WATER COLUMN: 8.90 Feet
WELL DIAMETER: 2.0 Inch

4.4 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.5	69.1	0.38	7.06			
	3.0	67.2	0.39	7.04			
	4.5	66.8	0.39	7.00			
			4.5 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-2
ANALYSES: 8260B
COMMENTS: Collected duplicate sample DUP

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-3**
SITE NAME: Linam Ranch Gas Plant
DATE: 9/28-29/2010
PROJECT NO. _____
SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 55.30 Feet
DEPTH TO WATER: 47.80 Feet
HEIGHT OF WATER COLUMN: 7.50 Feet
WELL DIAMETER: 2.0 Inch

3.7 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.3	67.8	0.42	7.46			
	2.6	67.8	0.42	7.49			
	3.9	67.2	0.42	7.45			
			3.9 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-3
ANALYSES: 8260B
COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-5**
SITE NAME: Linam Ranch Gas Plant
DATE: 9/28-29/2010
PROJECT NO.
SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type:

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☑ Disposal Facility

TOTAL DEPTH OF WELL: 55.20 Feet
DEPTH TO WATER: 47.10 Feet
HEIGHT OF WATER COLUMN: 8.10 Feet
WELL DIAMETER: 4.0 Inch

15.9 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	5.0	71.2	2.25	6.42			
	10.0	69.3	2.24	6.42			
	15.0	68.8	2.25	6.40			
			15 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-5
ANALYSES: 8260B
COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-8**
SITE NAME: Linam Ranch Gas Plant
DATE: 9/28-29/2010
PROJECT NO. _____
SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 58.30 Feet
DEPTH TO WATER: 42.46 Feet
HEIGHT OF WATER COLUMN: 15.84 Feet
WELL DIAMETER: 4.0 Inch

31.0 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.5	10	68.3	7.24			
	3.0	20	68.1	7.21			
	4.5	30.0	67.60	7.20			
			4.5 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-8

ANALYSES: 8260B

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP WELL ID: **MW-9**

SITE NAME: Linam Ranch Gas Plant DATE: 9/28-29/2010

PROJECT NO. _____ SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 59.10 Feet
DEPTH TO WATER: 50.97 Feet
HEIGHT OF WATER COLUMN: 8.13 Feet
WELL DIAMETER: 2.0 Inch

4.0 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	1.3	70.2	1.12	6.72			
	2.6	70.10	1.12	6.71			
	3.9	69.90	1.11	6.72			
			3.9 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-9

ANALYSES: 8260B

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-10**
SITE NAME: Linam Ranch Gas Plant
DATE: 9/28-29/2010
PROJECT NO.
SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type:
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☑ Disposal Facility

TOTAL DEPTH OF WELL: 65.00 Feet
DEPTH TO WATER: 50.70 Feet
HEIGHT OF WATER COLUMN: 14.30 Feet
WELL DIAMETER: 4.0 Inch

28.0 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	9.5	69.5	1.44	7.22			
	19.0	69.5	1.43	7.22			
	28.5	69.30	1.43	7.21			
			28.5 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-10
ANALYSES: 8260B
COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-10d**
SITE NAME: Linam Ranch Gas Plant
DATE: 9/28-29/2010
PROJECT NO.
SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type:

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drums ☑ Disposal Facility

TOTAL DEPTH OF WELL: 79.00 Feet
DEPTH TO WATER: 51.91 Feet
HEIGHT OF WATER COLUMN: 27.09 Feet
WELL DIAMETER: 2.0 Inch

13.3 Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49)

TIME	VOLUME PURGED	TEMP. °F	COND. *m*S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	4.5	70.5	0.98	7.03			
	9.0	69.9	0.98	7.02			
	13.5	69.8	0.98	7.02			
			13.5 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-10D
ANALYSES: 8260B
COMMENTS:

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP WELL ID: **MW-11**

SITE NAME: Linam Ranch Gas Plant DATE: 9/28-29/2010

PROJECT NO. _____ SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 62.80 Feet
DEPTH TO WATER: 51.49 Feet
HEIGHT OF WATER COLUMN: 11.31 Feet
WELL DIAMETER: 4.0 Inch

22.1 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °F	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	7.0	70.2	1.13	6.71			
	14.0	70.1	1.13	6.70			
	21.0	69.8	1.13	6.68			
			21 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-11

ANALYSES: 8260B

COMMENTS: _____

WELL SAMPLING DATA FORM

CLIENT: DCP Midstream, LP
WELL ID: **MW-13**
SITE NAME: Linam Ranch Gas Plant
DATE: 9/28-29/2010
PROJECT NO.
SAMPLER: N Quevedo

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type:

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☐ Alconox ☐ Distilled Water Rinse ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ Disposal Facility

TOTAL DEPTH OF WELL: 63.00 Feet
DEPTH TO WATER: 52.40 Feet
HEIGHT OF WATER COLUMN: 10.60 Feet
WELL DIAMETER: 4.0 Inch

20.8 Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96)

TIME	VOLUME PURGED	TEMP. °F	COND. *m* S/cm	pH	DO mg\L	Turb	PHYSICAL APPEARANCE AND REMARKS
	7.0	69.9	1.19	6.79			
	14.0	69.5	1.18	6.76			
	21.0	69.2	1.18	6.76			
			21 :Total Vol (gal)				

SAMPLE NO.: Collected Sample No.: MW-13
ANALYSES: 8260B
COMMENTS: Collected sample for MS/MSD evaluation

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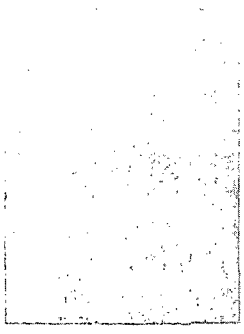
11/12/10



Technical Report for

DCP Midstream, LP

AECCOL:Linam Ranch

GN00

Accutest Job Number: D17876

Sampling Dates: 09/28/10 - 09/29/10

Report to:

American Environmental Consulting, LLC

mstewart@aecdenver.com

ATTN: Michael Stewart

Total number of pages in report: **25**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

John Hamilton
Laboratory Director

Client Service contact: Shea Greiner 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW) UT (NELAP CO00049)

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5

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Sample Summary

DCP Midstream, LP

Job No: D17876

AECCOL:Linam Ranch
Project No: GN00

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
D17876-1	09/29/10	09:35 CC	10/01/10	AQ	Ground Water	MW-1
D17876-2	09/29/10	08:55 CC	10/01/10	AQ	Ground Water	MW-2
D17876-3	09/29/10	10:00 CC	10/01/10	AQ	Ground Water	MW-3
D17876-4	09/29/10	10:30 CC	10/01/10	AQ	Ground Water	MW-5
D17876-5	09/29/10	08:15 CC	10/01/10	AQ	Ground Water	MW-8
D17876-6	09/28/10	12:30 CC	10/01/10	AQ	Ground Water	MW-9
D17876-7	09/28/10	13:15 CC	10/01/10	AQ	Ground Water	MW-10
D17876-8	09/28/10	13:55 CC	10/01/10	AQ	Ground Water	MW-10D
D17876-9	09/28/10	16:05 CC	10/01/10	AQ	Ground Water	MW-11
D17876-10	09/28/10	14:55 CC	10/01/10	AQ	Ground Water	MW-13
D17876-10D	09/28/10	14:55 CC	10/01/10	AQ	Water Dup/MSD	MW-13
D17876-10M	09/28/10	14:55 CC	10/01/10	AQ	Water Matrix Spike	MW-13
D17876-11	09/29/10	00:00 CC	10/01/10	AQ	Ground Water	DUP

Sample Summary
(continued)

DCP Midstream, LP

Job No: D17876

AECCOL:Linam Ranch
Project No: GN00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D17876-12	09/29/10	00:00	CC	10/01/10	AQ	Ground Water	TRIP BLANK

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CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	DCP Midstream, LP	Job No	D17876
Site:	AECCOL:Linam Ranch	Report Dat	10/7/2010 4:08:01 PM

On 10/01/2010, 12 sample(s), 0 Trip Blank(s), and 0 Field Blank(s) were received at Accutest Mountain States (AMS) at a temperature of 4.9 °C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D17876 was assigned to the project. The lab sample IDs, client sample IDs, and dates of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ	Batch ID: V5V601

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17876-10MS and D17876-10MSD were used as the QC samples indicated.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	D17876-1	Date Sampled:	09/29/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10882.D	1	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.00039	0.0010	0.00030	mg/l	J
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		63-130%
2037-26-5	Toluene-D8	97%		68-130%
460-00-4	4-Bromofluorobenzene	93%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	D17876-2	Date Sampled:	09/29/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10883.D	1	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		63-130%
2037-26-5	Toluene-D8	96%		68-130%
460-00-4	4-Bromofluorobenzene	90%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	D17876-3	Date Sampled:	09/29/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10884.D	1	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	87%		63-130%
2037-26-5	Toluene-D8	86%		68-130%
460-00-4	4-Bromofluorobenzene	80%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	D17876-4	Date Sampled:	09/29/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10885.D	2	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0095	0.0020	0.00060	mg/l	
108-88-3	Toluene	ND	0.0040	0.0020	mg/l	
100-41-4	Ethylbenzene	0.188	0.0040	0.00060	mg/l	
	m,p-Xylene	ND	0.0080	0.0012	mg/l	
95-47-6	o-Xylene	ND	0.0040	0.0012	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	96%		63-130%
2037-26-5	Toluene-D8	98%		68-130%
460-00-4	4-Bromofluorobenzene	92%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	D17876-5	Date Sampled:	09/29/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10886.D	1	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	97%		63-130%
2037-26-5	Toluene-D8	94%		68-130%
460-00-4	4-Bromofluorobenzene	88%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	D17876-6	Date Sampled:	09/28/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10887.D	1	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	97%		63-130%
2037-26-5	Toluene-D8	95%		68-130%
460-00-4	4-Bromofluorobenzene	90%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	D17876-7	Date Sampled:	09/28/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10888.D	50	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.90	0.050	0.015	mg/l	
108-88-3	Toluene	0.0547	0.10	0.050	mg/l	J
100-41-4	Ethylbenzene	0.240	0.10	0.015	mg/l	
	m,p-Xylene	0.104	0.20	0.030	mg/l	J
95-47-6	o-Xylene	ND	0.10	0.030	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	98%		63-130%
2037-26-5	Toluene-D8	96%		68-130%
460-00-4	4-Bromofluorobenzene	94%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10D		
Lab Sample ID:	D17876-8	Date Sampled:	09/28/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10889.D	5	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0402	0.0050	0.0015	mg/l	
108-88-3	Toluene	0.0358	0.010	0.0050	mg/l	
100-41-4	Ethylbenzene	0.0060	0.010	0.0015	mg/l	J
	m,p-Xylene	0.0077	0.020	0.0030	mg/l	J
95-47-6	o-Xylene	ND	0.010	0.0030	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	90%		63-130%
2037-26-5	Toluene-D8	96%		68-130%
460-00-4	4-Bromofluorobenzene	95%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	D17876-9	Date Sampled:	09/28/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10892.D	1	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.0036	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	0.0040	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	97%		63-130%
2037-26-5	Toluene-D8	96%		68-130%
460-00-4	4-Bromofluorobenzene	89%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.10

Client Sample ID:	MW-13		
Lab Sample ID:	D17876-10	Date Sampled:	09/28/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10879.D	1	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	96%		63-130%
2037-26-5	Toluene-D8	96%		68-130%
460-00-4	4-Bromofluorobenzene	91%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP		
Lab Sample ID:	D17876-11	Date Sampled:	09/29/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10893.D	1	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	99%		63-130%
2037-26-5	Toluene-D8	95%		68-130%
460-00-4	4-Bromofluorobenzene	90%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

3.12

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	D17876-12	Date Sampled:	09/29/10
Matrix:	AQ - Ground Water	Date Received:	10/01/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	AECCOL:Linam Ranch		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V10894.D	1	10/05/10	DC	n/a	n/a	V5V601
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0020	0.0010	mg/l	
100-41-4	Ethylbenzene	ND	0.0020	0.00030	mg/l	
	m,p-Xylene	ND	0.0040	0.00060	mg/l	
95-47-6	o-Xylene	ND	0.0020	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	103%		63-130%
2037-26-5	Toluene-D8	96%		68-130%
460-00-4	4-Bromofluorobenzene	91%		61-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Mountain States
ACCUTEST
LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

D17876

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: 400128006
Accutest Quote #:

Client Information	Facility Information	Analytical Information
DCP Midstream	DCP Midstream	
Name: 370 Seventeenth Street, Suite 2500	Project Name: Linam Ranch	
Address: Denver CO 80202	Location: Hobbs, New Mexico	
City: Chandler Cole State: Zip:	Project/PO #: GN00	
Send Report to: Phone #: 303.605.1695	FAX #:	

Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO3	H2SO4	None	BTEX 8260B	MS/MSD FOR BTEX 8260B	
MW-1	9-29	935		GW	3	X					X		01
MW-2	9-29	855		GW	3	X					X		02
MW-3	9-29	1600		GW	3	X					X		03
MW-5	9-29	1030		GW	3	X					X		04
MW-8	9-29	815		GW	3	X					X		05
MW-9	9-28	1230		GW	3	X					X		06
MW-10	9-28	1315		GW	3	X					X		07
MW-10d	9-28	1355		GW	3	X					X		08
MW-11	9-28	1605		GW	3	X					X		09
MW-13	9-28	1455		GW	3	X					X		10
Dup	9-29	000		GW	3	X					X		11

Turnaround Information	Data Deliverable Information	Comments / Remarks
[ ] 21 Day Standard — Approved By:	[ ] NJ Reduced	[ ] Commercial "A"
[ ] 14 Day	[ ] NJ Full	[X] Commercial "B"
[X] 7 Days	[ ] FULL CLP	[ ] ASP Category B
[ ] Other _____ (Days)	[ ] Disk Deliverable	[ ] State Forms
RUSH TAT is for FAX data unless previously approved.	[ ] Other (Specify)	Accutest to invoice DCP Midstream, Attn: Chandler Cole and email results to him

Sample Custody must be documented below each time samples change possesion, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	10-1	1	2		2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applica	On Ice:
5		5			49

D17876: Chain of Custody
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CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: 400128006
Accutest Quote #:

Client Information	Facility Information
DCP Midstream (Name)	DCP Midstream
370 Seventeenth Street, Suite 2500 (Address)	Project Name: Linam Ranch
Denver CO 80202 (City, State, Zip)	Location: Hobbs, New Mexico
Chandler Cole (Send Report to)	Project/PO #: GN00
Phone #: 303.605.1695	FAX #:

Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	None	BTEX 8260B	MS/MSD FOR BTEX 8260B	
Trip Blank				GW	1	X					X		12
MW-13 MS/MSD	9-28	1455		GW	6	X						X	13 10

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Day
- [X] 7 Days
- [ ] Other ______ (Days)

Approved By:

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [ ] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [X] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

Accutest to invoice DCP Midstream, Attn: Chandler Cole and email results to him

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 [signature]	10-1	1 [signature] 10/1/10 9:30	2		2
3		3	4		4
5		5	Seal #	Preserved where applica	On Ice.

D17876: Chain of Custody
Page 2 of 2

Mountain States ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: D17876
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V601-MB	5V10877.D	1	10/05/10	DC	n/a	n/a	V5V601

The QC reported here applies to the following samples: Method: SW846 8260B

D17876-1, D17876-2, D17876-3, D17876-4, D17876-5, D17876-6, D17876-7, D17876-8, D17876-9, D17876-10, D17876-11, D17876-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.30	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
	m,p-Xylene	ND	4.0	0.60	ug/l	
95-47-6	o-Xylene	ND	2.0	0.60	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	95%	63-130%
2037-26-5	Toluene-D8	96%	68-130%
460-00-4	4-Bromofluorobenzene	92%	61-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: D17876
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V601-BS1	5V10878.D	1	10/05/10	DC	n/a	n/a	V5V601

5.2.1

The QC reported here applies to the following samples: Method: SW846 8260B

D17876-1, D17876-2, D17876-3, D17876-4, D17876-5, D17876-6, D17876-7, D17876-8, D17876-9, D17876-10, D17876-11, D17876-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	51.9	104	70-130
100-41-4	Ethylbenzene	50	56.7	113	70-130
108-88-3	Toluene	50	55.9	112	70-140
	m,p-Xylene	50	52.1	104	55-134
95-47-6	o-Xylene	50	51.2	102	55-134

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	96%	63-130%
2037-26-5	Toluene-D8	98%	68-130%
460-00-4	4-Bromofluorobenzene	104%	61-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: D17876
Account: DCPMCODN DCP Midstream, LP
Project: AECCOL:Linam Ranch

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
D17876-10MS	5V10880.D	1	10/05/10	DC	n/a	n/a	V5V601
D17876-10MSD	5V10881.D	1	10/05/10	DC	n/a	n/a	V5V601
D17876-10	5V10879.D	1	10/05/10	DC	n/a	n/a	V5V601

The QC reported here applies to the following samples: Method: SW846 8260B

D17876-1, D17876-2, D17876-3, D17876-4, D17876-5, D17876-6, D17876-7, D17876-8, D17876-9, D17876-10, D17876-11, D17876-12

CAS No.	Compound	D17876-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	50.9	102	50.8	102	0	59-132/30
100-41-4	Ethylbenzene	ND		50	54.7	109	54.7	109	0	68-130/30
108-88-3	Toluene	ND		50	53.9	108	54.0	108	0	56-142/30
	m,p-Xylene	ND		50	50.4	101	50.8	102	1	36-146/30
95-47-6	o-Xylene	ND		50	49.7	99	49.4	99	1	36-146/30

CAS No.	Surrogate Recoveries	MS	MSD	D17876-10	Limits
17060-07-0	1,2-Dichloroethane-D4	92%	92%	96%	63-130%
2037-26-5	Toluene-D8	98%	98%	96%	68-130%
460-00-4	4-Bromofluorobenzene	102%	101%	91%	61-130%