2R - 799

Q3 GWMR

12 / 11 / 2013

DCP Midstream
370 17th Street, Suite 2500
Denver, CO 80202
303-595-3331
303-605-2226 *FAX*

December 11, 2013

Mr. Glenn von Gonten
Oil Conservation Division
New Mexico Energy, Minerals
& Natural Resources Department
1220 South St. Francis Dr.
Santa Fe, NM 87505

RE: Third Quarter 2013 Groundwater Monitoring Report
Burton Flats Compressor Station
Lots 4 and 5, Section 1, Township 21 South, Range 27 East
Eddy County, New Mexico
OCD Case No. 2R799

Dear Mr. von Gonten:

DCP Midstream, LP (DCP) is pleased to submit for your review one copy of the Third Quarter 2013 Groundwater Monitoring Report for the DCP Burton Flats Booster Station located in Eddy County, New Mexico (Lots 4 and 5, Section 1, Township 21 South, Range 27 East).

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: Mr. Mike Bratcher - EMNRD
Mr. Jim Griswold - EMNRD
Mr. Jim Amos – BLM Carlsbad
Environmental Files

Third Quarter 2013 Groundwater Monitoring and Activities Summary Report

Burton Flats Booster Station
Eddy County, New Mexico
AP #2R799

Prepared for:

370 17th St., Suite 2500
Denver, CO 80202

Prepared by:

6899 Pecos Street, Unit C
Denver, Colorado 80221

November 18, 2013

Table of Contents

1. Introduction

This report summarizes the groundwater monitoring activities conducted during the third quarter of 2013 at the Burton Flats Booster Station (Site) in Eddy County, New Mexico (Figure 1). Tasman Geosciences, LLC (Tasman) conducted these activities on behalf of DCP Midstream, LP (DCP). Field activities were conducted with the purpose of monitoring groundwater flow and quality conditions and assessing the presence of light non-aqueous phase liquid (LNAPL) hydrocarbons in the Site subsurface. Current Site conditions were evaluated from field data and analytical laboratory results collected during the reporting period.

2. Site Location and Background

The Site is located in the Fourth and Fifth Lots of Section 1, Township 21 South, Range 27 East (approximate coordinates 32.5195 degrees north and 104.1507 degrees west). It is approximately 3.4 miles northwest of the intersection of US Highway 62 and County Road 243. The area is sparsely populated and land use is primarily associated with livestock grazing and oil and gas production and gathering.

Based on information included in historical Site investigation reports, a release of approximately 10 barrels (bbl) of oil and produced water occurred on October 5, 2009 of which approximately 8 bbls were recovered from within the tank secondary containment area. The C-141 report was submitted on October 12, 2009. Site investigation and soil sampling within the release area occurred during the third quarter of 2009 and early fourth quarter of 2010 (BH-1 through BH-5). Elevated levels of petroleum hydrocarbons within the soil were encountered to depths of 20-feet below ground surface (bgs). Groundwater was noted between 16-feet and 20-feet bgs during site characterization activities. Subsequent to soil investigation activities, four groundwater monitoring wells were installed around and down-gradient from the release area during the 4th quarter of 2011 (MW-1 through MW-4). Elevated petroleum hydrocarbon concentrations in soil were observed during well installation. Consequently, two additional soil borings were completed to a depth of 20 feet bgs in the direct area of impacts (SB 11-1 and SB 11-2). Monitoring well and soil boring locations are shownin Figure 2.

Boring logs for the Site monitoring wells indicate that the subsurface geology contains unconsolidated fine-grained sand, silt, and clay sediments. This general characteristic has been utilized in evaluating the historic and current LNAPL behavior. Ongoing monitoring and sampling of the four Site monitoring wells listed above has been conducted on a quarterly basis since installation.

3. Groundwater Monitoring

This section describes the field and laboratory activities performed during the third quarter 2013 groundwater monitoring event. Quarterly monitoring activities were conducted on September 11, 2013 and included Site-wide groundwater gauging, LNAPL measurements, and groundwater sampling. Figure 2 illustrates the groundwater monitoring network (MW-1 through MW-4) utilized to perform these activities at the Site.

3.1 Groundwater and LNAPL Elevation Monitoring

Groundwater and LNAPL levels were measured in order to evaluate hydraulic characteristics and provide information regarding seasonal fluctuations in groundwater elevations at the Site. During the third quarter 2013, groundwater levels were measured at four Site monitoring well locations (MW-1 through MW-4).

Groundwater levels were measured on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater level data were converted to elevation (feet above mean sea level [AMSL]). Measured groundwater levels and calculated groundwater elevation data are presented in Table 1 and a third quarter 2013 Potentiometric Surface Map is illustrated in Figure 3. LNAPL levels, where detected by the IP, are also presented in Table 1.

Groundwater elevations ranged from 3,176.64 feet AMSL at monitoring well MW-1 to 3,176.99 feet AMSL at monitoring well MW-3. As illustrated in Figure 3, groundwater flow at the Site generally trends to the northwest with a gradient of approximately 0.0012 foot per foot between monitoring wells MW-2 and MW-3.

Groundwater elevations from MW-1 and MW-4 were not used in calculating hydraulic gradient due to the presence of LNAPL. The selected elevations were measured directly and are considered representative of the general gradient and flow direction at the Site.

LNAPL was detected for the first time at monitoring well MW-1 with a measured thickness of 0.04-feet. MW-1 is located down-gradient of MW-4, which has historically shown LNAPL thicknesses between one and two feet. LNAPL was detected at MW-4 with a measured thickness of 1.68-feet during the third quarter monitoring event.

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements at each monitoring well, groundwater samples were collected from the two monitoring wells that did not contain measurable LNAPL.

During sampling, a minimum of three well casing volumes of groundwater were purged from each monitoring well prior to collecting groundwater samples. Water quality parameters were recorded and used to confirm groundwater stabilization prior to sample collection. As such, the analytical data are

considered to be representative of the subsurface conditions during the third quarter 2013 groundwater monitoring event.

Groundwater samples were collected using dedicated polyethylene bailers, placed in clean laboratory supplied containers, packed in an ice-filled cooler and maintained at approximately four (4) degrees Celsius (^{0}C) for transportation to the laboratory. Groundwater samples were then shipped under chain-of-custody procedures to ALS Environmental (ALS) laboratory in Houston, Texas, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260B and chloride by USEPA Method 300.

Analytical results indicate that BTEX concentrations were below laboratory detection limits at both sampled monitoring well locations during the reporting period. LNAPL was detected at two monitoring locations (MW-1 and MW-4) as indicated in Section 3.1 above.

Chloride was detected in exceedance of the NMWQCC suggested guideline (250 mg/l) in MW-2 and MW-3 with concentrations of 1,410 mg/l and 589 mg/l, respectively.

Figure 4 displays analytical results from the third quarter 2013 event as well as the second quarter 2013 event. Table 2 presents third quarter 2013 monitoring data along with data collected during the previous 4 quarters. Laboratory analytical reports for the event are included as Appendix A.

3.3 Data Quality Assurance / Quality Control

The data were reviewed for compliance with the analytical method and the associated quality assurance/quality control (QA/QC) procedures. All samples were analyzed using the correct analytical methods and within the correct holding times. Chain of custody forms were in order and properly executed indicating that samples were received at the proper temperature and without headspace. All data were reported using the correct method number and reporting units. A trip blank, matrix spike or matrix spike duplicate (MS/MSD) and field duplicate sample from MW-2 were collected during the sampling event. The trip blank was fully in control, having no detection of the target analytes.

The duplicate sample collected at MW-2 was in compliance with QA/QC standards. BTEX concentrations in MW-2 and the duplicate sample were below laboratory detection limits.

The overall QA/QC assessment of the data, based on the data review, indicate that both field precision and overall data precision and accuracy are acceptable.

4. Remediation Activities

A passive LNAPL collection bailer is installed at MW-4. During the third quarter 2013 monitoring event, approximately 7 ounces of LNAPL were recovered from the bailer. A second passive LNAPL collection bailer was deployed in MW-1 following the initial detection of free phase hydrocarbons on September

11, 2013. Both LNAPL collection bailers were deployed within the monitoring well locations at the product/water interface.

Dissolved phase petroleum hydrocarbon concentrations are currently being addressed via monitored natural attenuation.

5. Conclusions

Comparison of the third quarter 2013 monitoring data and historic information provides the following general observations:

Groundwater elevation at the Site has remained stable with minor seasonal and annual fluctuations since monitoring was initiated in December 2011. There was no significant deviation from this trend during the third quarter 2013.

Elevated BTEX concentrations are historically observed in down-gradient monitoring well MW-1 suggesting that the dissolved phase petroleum hydrocarbon plume proceeds the free phase hydrocarbon plume, as it is detected in MW-4. However, during the third quarter 2013, LNAPL was detected in MW-1 for the first time indicating the free phase petroleum hydrocarbon plume is advancing down-gradient.

BTEX concentrations remained below laboratory detection limits in MW-2 and MW-3 during the September 2013 event suggesting that the dissolved phase hydrocarbon plume has minor lateral dispersion across the Site.

6. Recommendations

Based on evaluation of third quarter 2013 and historical Site monitoring results, recommendations for future activities include:

- Continue quarterly groundwater monitoring and sampling at the monitoring locations illustrated on Figure 2 to assess impacts of the contaminant fate and transport.

- Continue LNAPL monitoring at MW-1 and MW-4 to evaluate effectiveness of the passive LNAPL collection bailers.

- Survey monitoring well MW-4, top of casing to 0.01 feet above mean sea level.

Tables

TABLE 1
THIRD QUARTER 2013
SUMMARY OF GROUNDWATER ELEVATION DATA
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

Location	Date	Depth to Groundwater (1) (feet)	Depth to Product (1) (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (2) (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Groundwater Elevation Since Previous Event (3) (feet)
MW-1	9/26/2012	21.65				3198.88	3177.23	-0.15
MW-1	12/5/2012	21.51			34.25	3198.88	3177.37	0.14
MW-1	2/21/2013	21.57			34.25	3198.88	3177.31	-0.06
MW-1	6/3/2013	21.60			34.25	3198.88	3177.28	-0.03
MW-1	9/11/2013	22.27	22.23	0.04	34.25	3198.88	3176.64	-0.64
MW-2	9/26/2012	22.78				3200.00	3177.22	-0.12
MW-2	12/5/2012	22.68			32.85	3200.00	3177.32	0.10
MW-2	2/21/2013	22.71			32.85	3200.00	3177.29	-0.03
MW-2	6/3/2013	22.81			32.85	3200.00	3177.19	-0.10
MW-2	9/11/2013	23.18			32.85	3200.00	3176.82	-0.37
MW-3	9/26/2012	23.40				3200.85	3177.45	-0.22
MW-3	12/5/2012	23.35			34.23	3200.85	3177.50	0.05
MW-3	2/21/2013	23.45			34.23	3200.85	3177.40	-0.10
MW-3	6/3/2013	23.46			34.23	3200.85	3177.39	-0.01
MW-3	9/11/2013	23.86			34.23	3200.85	3176.99	-0.40
MW-4	9/26/2012	25.26	23.21	2.05		NM	NM	NM
MW-4	12/5/2012	24.34	23.22	1.12	NM	NM	NM	NM
MW-4	2/21/2013	24.85	23.26	1.59	NM	NM	NM	NM
MW-4	6/3/2013	24.86	23.33	1.53	NM	NM	NM	NM
MW-4	9/11/2013	25.63	23.95	1.68	NM	NM	NM	NM
							Average change in groundwater elevation since the previous monitoring event	-0.47

Notes:

1- Depths measured from the north edge of the well casing.

2- Total depths were collected and recorded during the third quarter 2013 monitoring event (with the exception of wells that contained LNAPL).

3- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring even from the measurement collected during the most recent monitoring event.

Data presented for well locations includes previous four sampling events, when available.

TOC elevation for monitoring well MW-4 was not available at the time this report was generated. Therefore, groundwater elevation could not be calculated.

Sample locations are shown on Figure 2 and a groundwater elevation contour map is shown on Figure 3.

amsl - feet above mean sea level.

TOC - top of casing

NM - not measured

TABLE 2
THIRD QUARTER 2013
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Commission Groundwater Standards		0.01 (mg/l)	0.75 (mg/l)	0.75 (mg/l)	0.62 (mg/l)	250*	
MW-1	9/26/2012	**0.0615**	<0.001	0.0803	0.0015	**590**	
MW-1	12/5/2012	**0.020**	<0.001	0.17	0.037	**599**	
MW-1	2/21/2013	0.0021	<0.001	0.0058	<0.003	**668**	Duplicate sample collected
MW-1	6/3/2013	0.0049	<0.001	0.0048	<0.001	**703**	Duplicate sample collected
MW-1	9/11/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	9/26/2012	<0.001	<0.001	<0.001	<0.003	**1,130**	
MW-2	12/5/2012	<0.001	<0.001	<0.001	<0.003	**1,120**	Duplicate sample collected
MW-2	2/21/2013	<0.001	<0.001	<0.001	<0.003	**1,250**	
MW-2	6/3/2013	<0.001	<0.001	<0.001	<0.001	**1,150**	
MW-2	9/11/2013	<0.001	<0.001	<0.001	<0.001	**1,410**	Duplicate sample collected
MW-3	9/26/2012	<0.001	<0.001	0.00057	<0.003	**447**	Duplicate sample collected
MW-3	12/5/2012	<0.001	<0.001	<0.001	<0.003	**444**	
MW-3	2/21/2013	<0.001	<0.001	<0.001	<0.003	**503**	
MW-3	6/12/2013	<0.001	<0.001	<0.001	<0.001	**474**	
MW-3	9/11/2013	<0.001	<0.001	<0.001	<0.001	**589**	
MW-4	9/26/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/5/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	2/21/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	6/3/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	9/11/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	

Notes:

The environmental cleanup standards for water that are applicable to the Burton Flats Booster Station site are the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards.

Data presented for all well locations includes previous four sampling events, when available.

* Chlorides are subject to the National Secondary Drinking Water Regulations (NSDWR) secondary maximum contaminant levels (SMCLs) and not an enforceably regulated constituent. The 250 mg/L standard is established only as a guideline to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor.

Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.

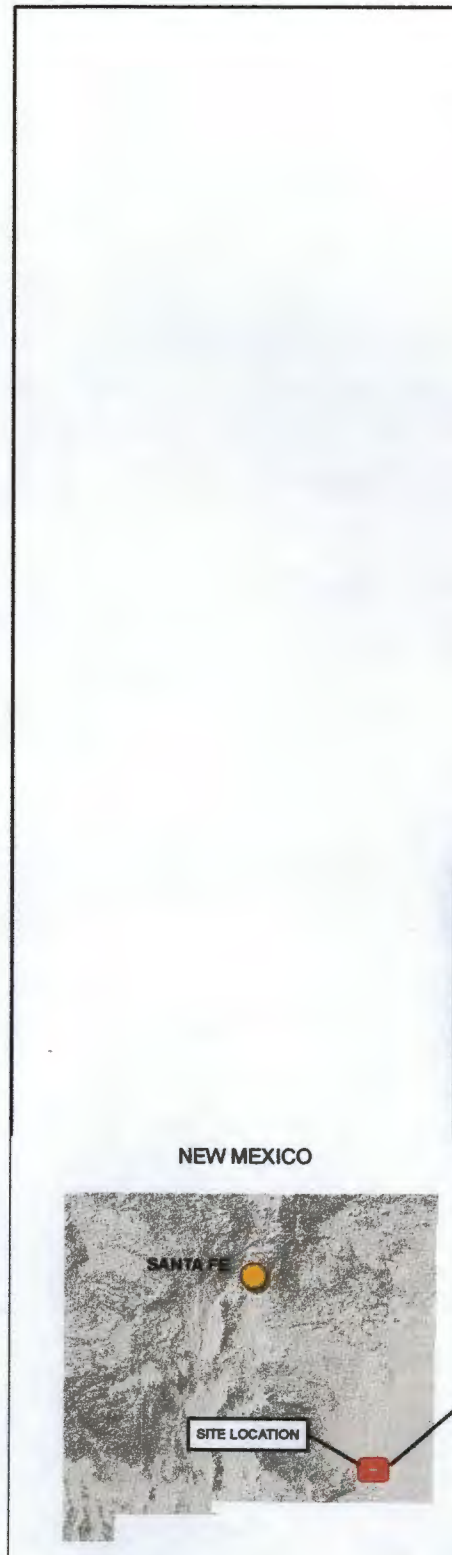
Sample locations are shown on Figure 2 and analytical results are illustrated on Figure 4.

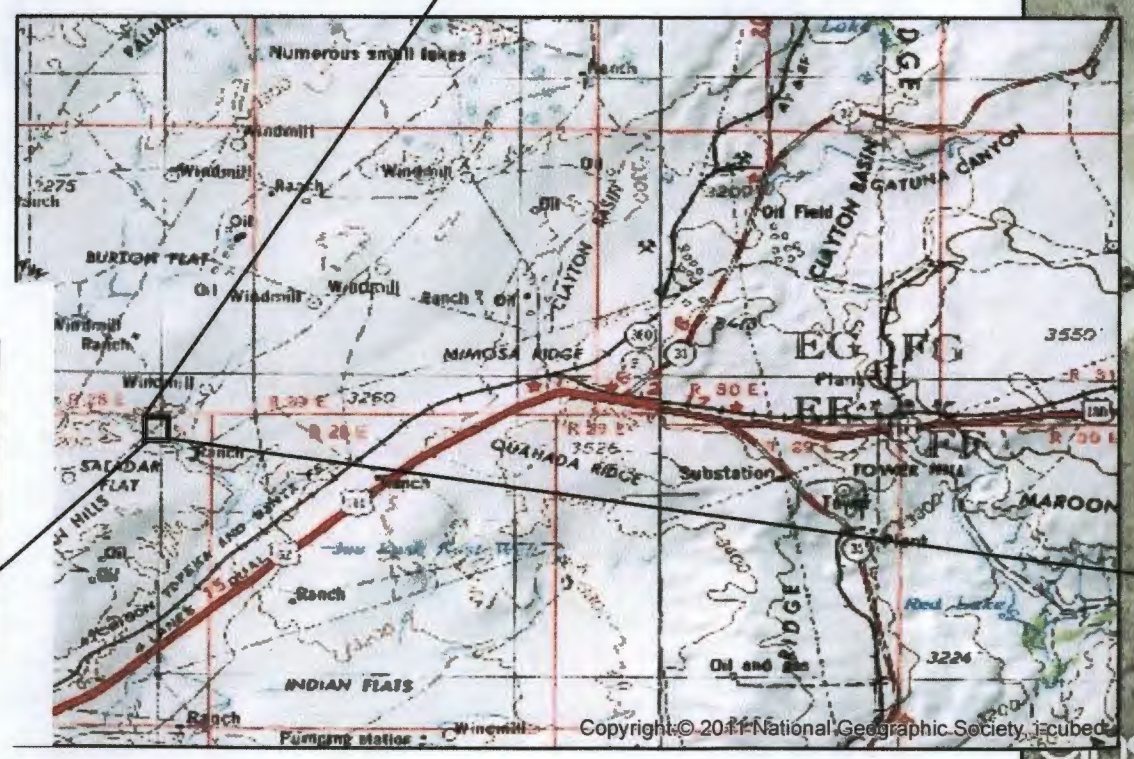
LNAPL = Light Non-Aqueous Phase Liquid

NM = Not measured.

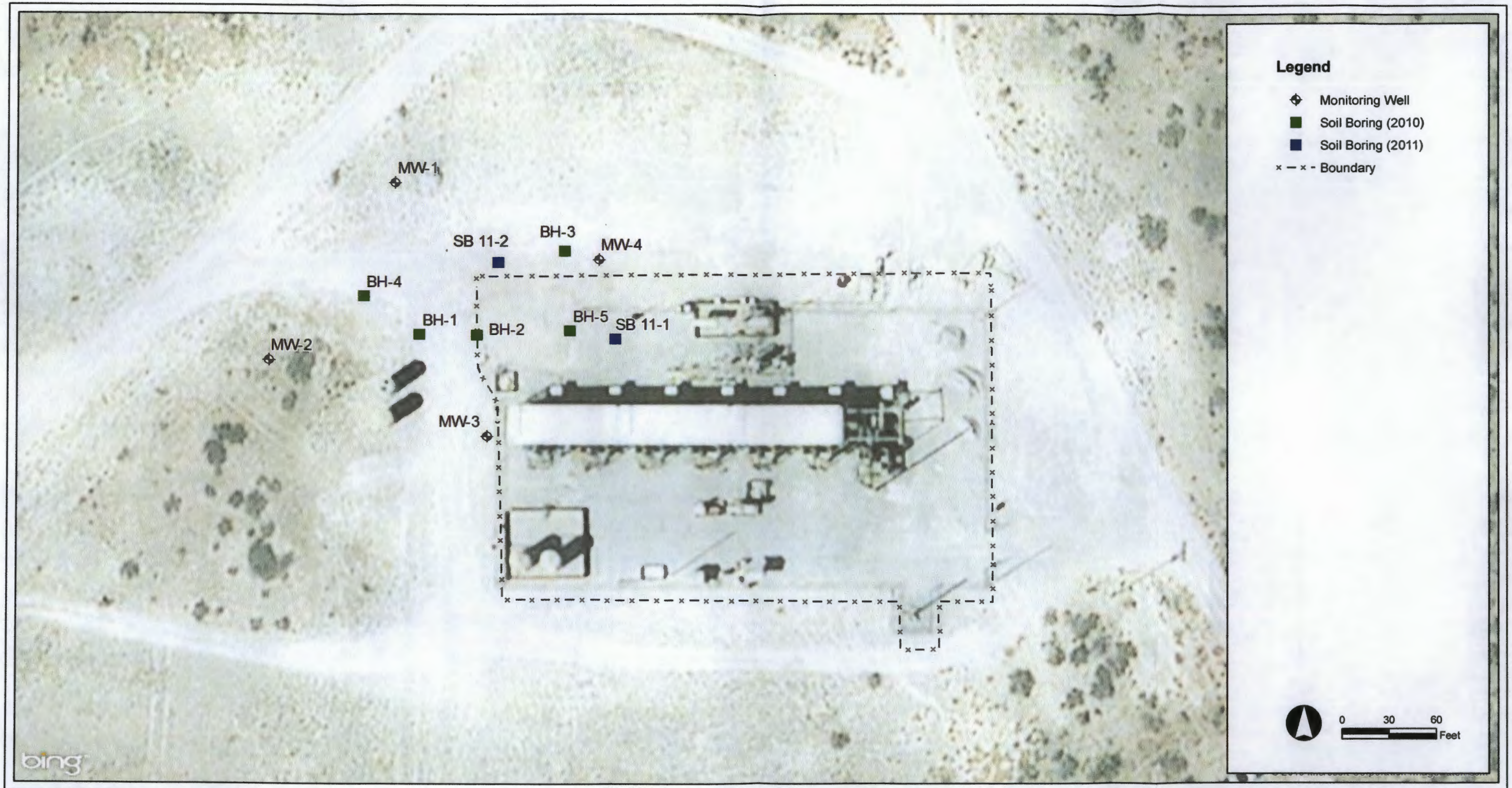
mg/L = milligrams per liter.

Figures

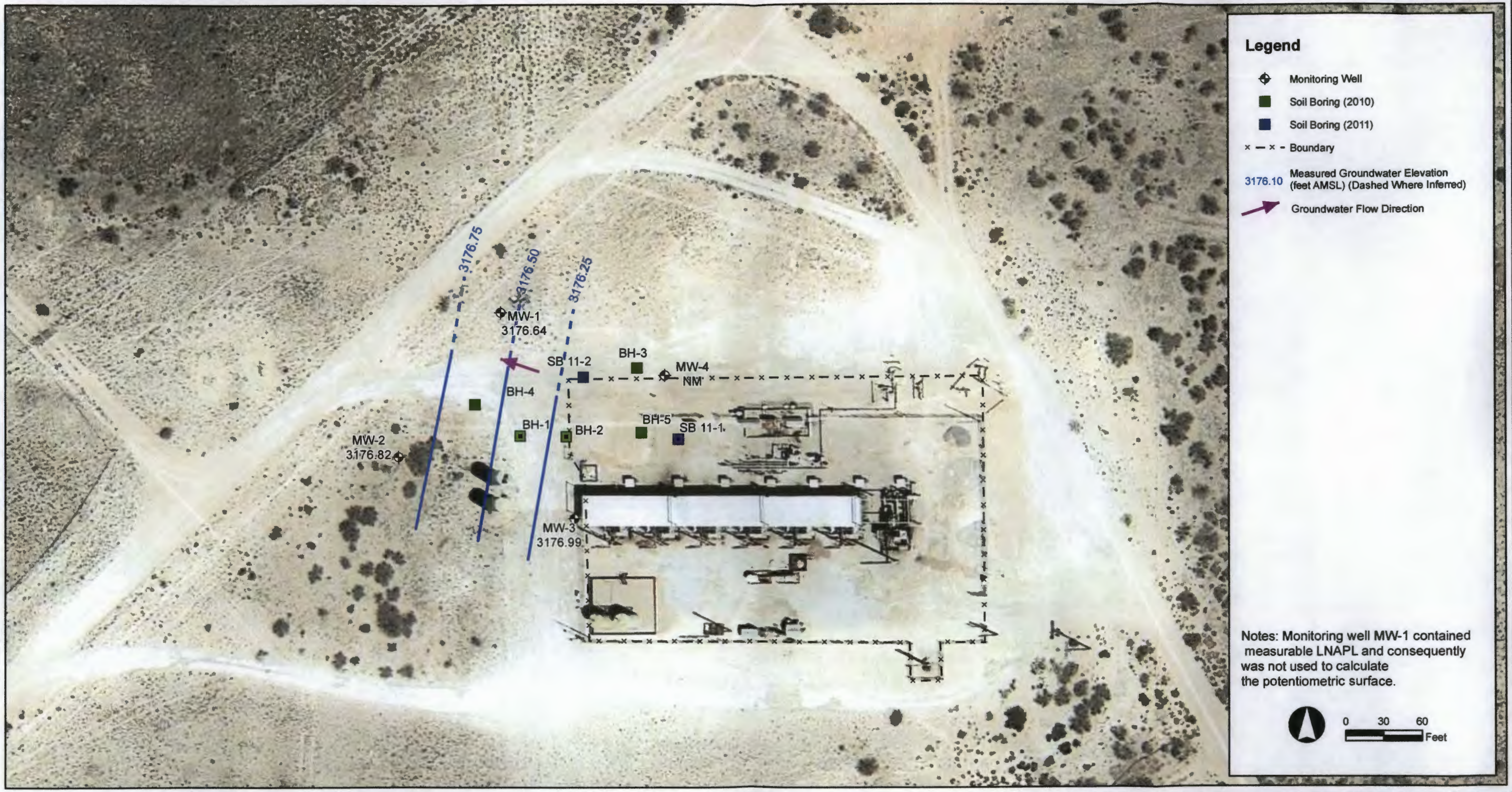




DESIGNED BY: C. Wasko DRAWN BY: J. Clonts SHEET CHK'D BY: CROSS CHK'D BY: APPROVED BY: APPROVED BY:	TASMAN GEOSCIENCES Tasman Geosciences, LLC 6899 Pecos Street - Unit C Denver, CO 80221 303 487 1228	**DCP Midstream** **Burton Flats Booster Station** *Lots 4 and 5, Section 1, Township 21 South, Range 27 East* *Eddy County, New Mexico*	SITE LOCATION	FIGURE 1



DESIGNED BY: C. Wasko DRAWN BY: J. Clonts SHEET CHK'D BY: CROSS CHK'D BY: APPROVED BY: APPROVED BY:	TASMAN GEOSCIENCES Tasman Geosciences, LLC 6899 Pecos Street - Unit C Denver, CO 80221 303 487 1228	**DCP Midstream** **Burton Flats Booster Station** *Lots 4 and 5, Section 1, Township 21 South, Range 27 East* *Eddy County, New Mexico*	SITE MAP	FIGURE 2



DESIGNED BY: C. Wasko
DRAWN BY: D. Arnold
SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY:
APPROVED BY:

TASMAN GEOSCIENCES
Tasman Geosciences, LLC
6899 Pecos Street - Unit C
Denver, CO 80221
303 487 1228

DCP Midstream
Burton Flats Booster Station

Lots 4 and 5, Section 1, Township 21 South, Range 27 East
Eddy County, New Mexico

POTENTIOMETRIC SURFACE MAP
(SEPTEMBER 11, 2013)

FIGURE
3

MW-1		
Compound	6/3/2013 (mg/L)	9/11/2013 (mg/L)
Benzene	0.0049	LNAPL
Toluene	<0.001	LNAPL
Ethylbenzene	0.0048	LNAPL
Total Xylenes	<0.001	LNAPL
Chlorides	703	LNAPL

(9/11/2013- 0.04)

SB 11-2

BH-3

BH-4

MW-4 (1.68)

BH-1

BH-2

BH-5

SB 11-1

MW-2		
Compound	6/3/2013 (mg/L)	9/11/2013 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.001	<0.001
Ethylbenzene	<0.001	<0.001
Total Xylenes	<0.001	<0.001
Chlorides	1,150	1,410

MW-3		
Compound	6/12/2013 (mg/L)	9/11/2013 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.001	<0.001
Ethylbenzene	<0.001	<0.001
Total Xylenes	<0.001	<0.001
Chlorides	474	589

Legend

- Monitoring Well
- Soil Boring (2010)
- Soil Boring (2011)
- Boundary
- (1.68) Measured LNAPL Thickness

0 30 60 Feet

DESIGNED BY: C. Wasko
DRAWN BY: D. Arnold
SHEET CHK'D BY:
CROSS CHK'D BY:
APPROVED BY:
APPROVED BY:

TASMAN GEOSCIENCES
Tasman Geosciences, LLC
6899 Pecos Street - Unit C
Denver, CO 80221
303 487 1228

DCP Midstream
Burton Flats Booster Station

Lots 4 and 5, Section 1, Township 21 South, Range 27 East
Eddy County, New Mexico

ANALYTICAL RESULTS MAP
(SEPTEMBER 11, 2013)

FIGURE
4

Appendix A

Laboratory Analytical Reports

Appendix B

Historical Analytical Results

APPENDIX B
HISTORICAL DATA
SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER
BURTON FLATS BOOSTER STATION
EDDY COUNTY, NEW MEXICO

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
New Mexico Water Quality Control Comission Groundwater Standards		0.01 (mg/l)	0.75 (mg/l)	0.75 (mg/l)	0.62 (mg/l)	250*	
MW-1	3-2008	**1.4**	0.0395	**0.948**		0.128	
MW-1	6-2008	**2.75**	0.054	**2.17**		0.232	
MW-1	9-2008	**1.1**	0.0375	**0.845**		0.131	
MW-1	12-2008	**0.869**	0.0385	0.581		0.0709	
MW-1	3-2009	**0.288**	0.0149	0.107		0.0395	
MW-1	5-2009	**1.38**	0.0705	0.175		0.065	
MW-1	9-2009	**0.267**	0.024	0.0332		0.0078	
MW-1	12-2009	**0.819**	0.088	0.0267		0.012	
MW-1	3-2010	**0.726**	0.0879	0.107		0.0278	
MW-3	3/29/2010	NS	NS	NS		NS	
MW-1	12/14/2011	**0.140**	0.0034	0.200	0.111	**665**	Duplicate sample collected
MW-1	4/26/2012	**0.153**	<0.001	0.229	0.0073	**584**	
MW-1	6/20/2012	**0.0967**	<0.001	0.284	0.0474	**651**	Duplicate sample collected
MW-1	9/26/2012	**0.0615**	<0.001	0.0803	0.0015	**590**	
MW-1	12/5/2012	**0.020**	<0.001	0.17	0.037	**599**	
MW-1	2/21/2013	0.0021	<0.001	0.0058	<0.003	**668**	Duplicate sample collected
MW-1	6/3/2013	0.0049	<0.001	0.0048	<0.001	**703**	Duplicate sample collected
MW-1	9/11/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	12/14/2011	<0.001	<0.001	<0.001	<0.003	**1,170**	
MW-2	4/26/2012	<0.001	<0.001	<0.001	<0.003	**1,040**	
MW-2	6/20/2012	<0.001	<0.001	<0.001	<0.003	**1,150**	
MW-2	9/26/2012	<0.001	<0.001	<0.001	<0.003	**1,130**	
MW-2	12/5/2012	<0.001	<0.001	<0.001	<0.003	**1,120**	Duplicate sample collected
MW-2	2/21/2013	<0.001	<0.001	<0.001	<0.003	**1,250**	
MW-2	6/3/2013	<0.001	<0.001	<0.001	<0.001	**1,150**	
MW-2	9/11/2013	<0.001	<0.001	<0.001	<0.001	**1,410**	Duplicate sample collected
MW-3	12/14/2011	<0.001	<0.001	<0.001	<0.003	**426**	
MW-3	4/26/2012	<0.001	<0.001	<0.001	<0.003	**406**	Duplicate sample collected
MW-3	6/20/2012	<0.001	<0.001	<0.001	<0.003	**435**	
MW-3	9/26/2012	<0.001	<0.001	0.00057	<0.003	**447**	Duplicate sample collected
MW-3	12/5/2012	<0.001	<0.001	<0.001	<0.003	**444**	
MW-3	2/21/2013	<0.001	<0.001	<0.001	<0.003	**503**	
MW-3	6/12/2013	<0.001	<0.001	<0.001	<0.001	**474**	
MW-3	9/11/2013	<0.001	<0.001	<0.001	<0.001	**589**	
MW-4	4/26/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	6/20/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	9/26/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	12/5/2012	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	2/21/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	6/3/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-4	9/11/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	

Notes:

1.) The environmental cleanup standards for water that are applicable to the Burton Flats Booster Station site are the New Mexico Water Quality Control Commission (NMWQCC) Groundwater Standards.

2.) Data presented for all well locations includes previous four sampling events, when available.

3.) MW-1 was reported as MW-1D in the first quarter 2013 laboratory analytical report.

* Chlorides are subject to the National Secondary Drinking Water Regulations (NSDWR) secondary maximum contaminant levels (SMCLs) and not an enforceably regulated constituent. The 250 mg/L standard is established only as a guideline to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color, and odor.

Bold red values indicate an exceedance of the NMWQCC groundwater standards for the Site.

Sample locations are shown on Figure 2 and analytical results are illustrated on Figure 4.

LNAPL = Light Non-Aqueous Phase Liquid

NM = Not measured.

mg/L = milligrams per liter.

ALS Environmental

25-Sep-2013

Christine Wasko
Tasman Geosciences
5690 Webster Street
Arvada, CO 80002

Tel: (720) 988-2024
Fax:

Re: DCP-Burton Flats Booster Station Work Order: **1309591**

Dear Christine,

ALS Environmental received 4 samples on 12-Sep-2013 09:25 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 17.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Sonia West

Electronically approved by: Jumoke M. Lawal

Sonia West
Project Manager

Certificate No: T104704231-13-12

ALS Environmental

Date: 25-Sep-13

Client: Tasman Geosciences
Project: DCP-Burton Flats Booster Station
Work Order: 1309591

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1309591-01	MW-2	Water		9/11/2013 12:15	9/12/2013 09:25	☐
1309591-02	MW-3	Water		9/11/2013 12:45	9/12/2013 09:25	☐
1309591-03	Duplicate	Water		9/11/2013	9/12/2013 09:25	☐
1309591-04	Trip Blank-081913-56	Water		9/11/2013	9/12/2013 09:25	☐

ALS Environmental

Date: 25-Sep-13

Client:	Tasman Geosciences
Project:	DCP-Burton Flats Booster Station
Work Order:	1309591

Case Narrative

No Exceptions

ALS Environmental

Date: *25-Sep-13*

Client: Tasman Geosciences
Project: DCP-Burton Flats Booster Station
Sample ID: MW-2
Collection Date: 9/11/2013 12:15 PM

Work Order: 1309591
Lab ID: 1309591-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	ND		0.0010	mg/L	1	9/19/2013 02:56 AM
Ethylbenzene	ND		0.0010	mg/L	1	9/19/2013 02:56 AM
Toluene	ND		0.0010	mg/L	1	9/19/2013 02:56 AM
Xylenes, Total	ND		0.0010	mg/L	1	9/19/2013 02:56 AM
Surr: 1,2-Dichloroethane-d4	*97.0*		*71-125*	*%REC*	1	9/19/2013 02:56 AM
Surr: 4-Bromofluorobenzene	*91.7*		*70-125*	*%REC*	1	9/19/2013 02:56 AM
Surr: Dibromofluoromethane	*97.7*		*74-125*	*%REC*	1	9/19/2013 02:56 AM
Surr: Toluene-d8	*98.6*		*75-125*	*%REC*	1	9/19/2013 02:56 AM
ANIONS			**SW9056**			Analyst: **JKP**
Chloride	**1,410**		**25.0**	**mg/L**	50	9/24/2013 10:54 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *25-Sep-13*

Client: Tasman Geosciences
Project: DCP-Burton Flats Booster Station
Sample ID: MW-3
Collection Date: 9/11/2013 12:45 PM

Work Order: 1309591
Lab ID: 1309591-02
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	ND		0.0010	mg/L	1	9/19/2013 06:37 AM
Ethylbenzene	ND		0.0010	mg/L	1	9/19/2013 06:37 AM
Toluene	ND		0.0010	mg/L	1	9/19/2013 06:37 AM
Xylenes, Total	ND		0.0010	mg/L	1	9/19/2013 06:37 AM
Surr: 1,2-Dichloroethane-d4	*94.9*		*71-125*	*%REC*	1	9/19/2013 06:37 AM
Surr: 4-Bromofluorobenzene	*94.1*		*70-125*	*%REC*	1	9/19/2013 06:37 AM
Surr: Dibromofluoromethane	*100*		*74-125*	*%REC*	1	9/19/2013 06:37 AM
Surr: Toluene-d8	*96.7*		*75-125*	*%REC*	1	9/19/2013 06:37 AM
ANIONS			**SW9056**			Analyst: **JKP**
Chloride	**589**		**5.00**	**mg/L**	10	9/24/2013 11:37 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *25-Sep-13*

Client: Tasman Geosciences
Project: DCP-Burton Flats Booster Station
Sample ID: Duplicate
Collection Date: 9/11/2013

Work Order: 1309591
Lab ID: 1309591-03
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	ND		0.0010	mg/L	1	9/19/2013 07:01 AM
Ethylbenzene	ND		0.0010	mg/L	1	9/19/2013 07:01 AM
Toluene	ND		0.0010	mg/L	1	9/19/2013 07:01 AM
Xylenes, Total	ND		0.0010	mg/L	1	9/19/2013 07:01 AM
Surr: 1,2-Dichloroethane-d4	*97.1*		*71-125*	*%REC*	1	9/19/2013 07:01 AM
Surr: 4-Bromofluorobenzene	*93.8*		*70-125*	*%REC*	1	9/19/2013 07:01 AM
Surr: Dibromofluoromethane	*97.8*		*74-125*	*%REC*	1	9/19/2013 07:01 AM
Surr: Toluene-d8	*99.2*		*75-125*	*%REC*	1	9/19/2013 07:01 AM
ANIONS			**SW9056**			Analyst: **JKP**
Chloride	**1,300**		**25.0**	**mg/L**	50	9/24/2013 11:52 PM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Environmental

Date: *25-Sep-13*

Client: Tasman Geosciences
Project: DCP-Burton Flats Booster Station
Work Order: 1309591
Sample ID: Trip Blank-081913-56
Lab ID: 1309591-04
Collection Date: 9/11/2013
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
LOW LEVEL VOLATILES - SW8260C			**SW8260**			Analyst: **AKP**
Benzene	ND		0.0010	mg/L	1	9/23/2013 11:35 AM
Ethylbenzene	ND		0.0010	mg/L	1	9/23/2013 11:35 AM
Toluene	ND		0.0010	mg/L	1	9/23/2013 11:35 AM
Xylenes, Total	ND		0.0010	mg/L	1	9/23/2013 11:35 AM
Surr: 1,2-Dichloroethane-d4	*103*		*71-125*	*%REC*	1	9/23/2013 11:35 AM
Surr: 4-Bromofluorobenzene	*108*		*70-125*	*%REC*	1	9/23/2013 11:35 AM
Surr: Dibromofluoromethane	*104*		*74-125*	*%REC*	1	9/23/2013 11:35 AM
Surr: Toluene-d8	*108*		*75-125*	*%REC*	1	9/23/2013 11:35 AM

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Work Order: 1309591
Client: Tasman Geosciences
Project: DCP-Burton Flats Booster Station

DATES REPORT

Sample ID	Client Sample ID	Matrix	Collection Date	TCLP Date	Prep Date	Analysis Date
Batch ID R153971	**Test Name:** Low Level Volatiles - SW8260C					
1309591-01A	MW-2	Water	9/11/2013 12:15:00 PM			9/19/2013 02:56 AM
1309591-02A	MW-3		9/11/2013 12:45:00 PM			9/19/2013 06:37 AM
1309591-03A	Duplicate		9/11/2013			9/19/2013 07:01 AM
Batch ID R154144	**Test Name:** Low Level Volatiles - SW8260C					
1309591-04A	Trip Blank-081913-56	Water	9/11/2013			9/23/2013 11:35 AM
Batch ID R154262	**Test Name:** Anions					
1309591-01B	MW-2	Water	9/11/2013 12:15:00 PM			9/24/2013 10:54 PM
1309591-02B	MW-3		9/11/2013 12:45:00 PM			9/24/2013 11:37 PM
1309591-03B	Duplicate		9/11/2013			9/24/2013 11:52 PM

Batch ID: **R153971** Instrument ID **VOA8** Method: **SW8260**

MBLK Sample ID: **VBLKW-130918-R153971** Units: **µg/L** Analysis Date: **9/18/2013 11:40 PM**

Client ID: Run ID: **VOA8_130918B** SeqNo: **3361332** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
Toluene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	46.79	1.0	*50*	*0*	*93.6*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	46.57	1.0	*50*	*0*	*93.1*	*70-125*	*0*			
Surr: Dibromofluoromethane	47.32	1.0	*50*	*0*	*94.6*	*74-125*	*0*			
Surr: Toluene-d8	48.82	1.0	*50*	*0*	*97.6*	*75-125*	*0*			

LCS Sample ID: **VLCSW-130918-R153971** Units: **µg/L** Analysis Date: **9/18/2013 10:26 PM**

Client ID: Run ID: **VOA8_130918B** SeqNo: **3361331** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.94	1.0	50	0	97.9	80-120				
Ethylbenzene	51.04	1.0	50	0	102	80-120				
Toluene	52.26	1.0	50	0	105	80-121				
Xylenes, Total	153.5	3.0	150	0	102	80-124				
Surr: 1,2-Dichloroethane-d4	44	1.0	*50*	*0*	*88*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	50.36	1.0	*50*	*0*	*101*	*70-125*	*0*			
Surr: Dibromofluoromethane	45.93	1.0	*50*	*0*	*91.9*	*74-125*	*0*			
Surr: Toluene-d8	50.62	1.0	*50*	*0*	*101*	*75-125*	*0*			

MS Sample ID: **1309591-01AMS** Units: **µg/L** Analysis Date: **9/19/2013 03:21 AM**

Client ID: **MW-2** Run ID: **VOA8_130918B** SeqNo: **3361341** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	51.13	1.0	50	0	102	80-120				
Ethylbenzene	51.93	1.0	50	0	104	80-120				
Toluene	53.5	1.0	50	0	107	80-121				
Xylenes, Total	153.7	3.0	150	0	102	80-124				
Surr: 1,2-Dichloroethane-d4	44.72	1.0	*50*	*0*	*89.4*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	51.27	1.0	*50*	*0*	*103*	*70-125*	*0*			
Surr: Dibromofluoromethane	46.43	1.0	*50*	*0*	*92.9*	*74-125*	*0*			
Surr: Toluene-d8	50.99	1.0	*50*	*0*	*102*	*75-125*	*0*			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tasman Geosciences
Work Order: 1309591
Project: DCP-Burton Flats Booster Station

QC BATCH REPORT

Batch ID: **R153971** Instrument ID **VOA8** Method: **SW8260**

MSD Sample ID: **1309591-01AMSD** Units: **µg/L** Analysis Date: **9/19/2013 03:45 AM**
Client ID: **MW-2** Run ID: **VOA8_130918B** SeqNo: **3361342** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	50.59	1.0	50	0	101	80-120	51.13	1.06	20	
Ethylbenzene	51.58	1.0	50	0	103	80-120	51.93	0.676	20	
Toluene	53.87	1.0	50	0	108	80-121	53.5	0.687	20	
Xylenes, Total	154.8	3.0	150	0	103	80-124	153.7	0.753	20	
Surr: 1,2-Dichloroethane-d4	44.18	1.0	*50*	*0*	*88.4*	*71-125*	*44.72*	*1.21*	*20*	
Surr: 4-Bromofluorobenzene	51.68	1.0	*50*	*0*	*103*	*70-125*	*51.27*	*0.8*	*20*	
Surr: Dibromofluoromethane	45.7	1.0	*50*	*0*	*91.4*	*74-125*	*46.43*	*1.6*	*20*	
Surr: Toluene-d8	50.85	1.0	*50*	*0*	*102*	*75-125*	*50.99*	*0.28*	*20*	

The following samples were analyzed in this batch: 1309591-01A 1309591-02A 1309591-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tasman Geosciences
Work Order: 1309591
Project: DCP-Burton Flats Booster Station

QC BATCH REPORT

Batch ID: **R154144** Instrument ID **VOA4** Method: **SW8260**

MBLK Sample ID: **VBLKW-130923-R154144** Units: **µg/L** Analysis Date: **9/23/2013 10:46 AM**
Client ID: Run ID: **VOA4_130923A** SeqNo: **3365562** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Ethylbenzene	ND	1.0								
Toluene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 1,2-Dichloroethane-d4	51.19	1.0	*50*	*0*	*102*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	53.42	1.0	*50*	*0*	*107*	*70-125*	*0*			
Surr: Dibromofluoromethane	51.3	1.0	*50*	*0*	*103*	*74-125*	*0*			
Surr: Toluene-d8	53.38	1.0	*50*	*0*	*107*	*75-125*	*0*			

LCS Sample ID: **VLCSW-130923-R154144** Units: **µg/L** Analysis Date: **9/23/2013 09:53 AM**
Client ID: Run ID: **VOA4_130923A** SeqNo: **3365561** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	45.52	1.0	50	0	91	80-120				
Ethylbenzene	50.25	1.0	50	0	101	80-120				
Toluene	48.13	1.0	50	0	96.3	80-121				
Xylenes, Total	149.8	3.0	150	0	99.9	80-124				
Surr: 1,2-Dichloroethane-d4	49.32	1.0	*50*	*0*	*98.6*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	53.73	1.0	*50*	*0*	*107*	*70-125*	*0*			
Surr: Dibromofluoromethane	49.98	1.0	*50*	*0*	*100*	*74-125*	*0*			
Surr: Toluene-d8	52.36	1.0	*50*	*0*	*105*	*75-125*	*0*			

MS Sample ID: **1309608-26AMS** Units: **µg/L** Analysis Date: **9/23/2013 02:27 PM**
Client ID: Run ID: **VOA4_130923A** SeqNo: **3365810** Prep Date: DF: **25**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	2642	25	1250	1487	92.3	80-120				
Ethylbenzene	1453	25	1250	190.6	101	80-120				
Toluene	1364	25	1250	148.5	97.2	80-121				
Xylenes, Total	5060	75	3750	1323	99.6	80-124				
Surr: 1,2-Dichloroethane-d4	1308	25	*1250*	*0*	*105*	*71-125*	*0*			
Surr: 4-Bromofluorobenzene	1294	25	*1250*	*0*	*104*	*70-125*	*0*			
Surr: Dibromofluoromethane	1307	25	*1250*	*0*	*105*	*74-125*	*0*			
Surr: Toluene-d8	1315	25	*1250*	*0*	*105*	*75-125*	*0*			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tasman Geosciences
Work Order: 1309591
Project: DCP-Burton Flats Booster Station

QC BATCH REPORT

Batch ID: **R154144** Instrument ID **VOA4** Method: **SW8260**

MSD Sample ID: **1309608-26AMSD** Units: **µg/L** Analysis Date: **9/23/2013 02:52 PM**

Client ID: Run ID: **VOA4_130923A** SeqNo: **3365811** Prep Date: DF: **25**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	2582	25	1250	1487	87.5	80-120	2642	2.3	20	
Ethylbenzene	1414	25	1250	190.6	97.9	80-120	1453	2.67	20	
Toluene	1327	25	1250	148.5	94.3	80-121	1364	2.69	20	
Xylenes, Total	4881	75	3750	1323	94.9	80-124	5060	3.59	20	
Surr: 1,2-Dichloroethane-d4	1320	25	*1250*	*0*	*106*	*71-125*	*1308*	*0.954*	*20*	
Surr: 4-Bromofluorobenzene	1290	25	*1250*	*0*	*103*	*70-125*	*1294*	*0.358*	*20*	
Surr: Dibromofluoromethane	1314	25	*1250*	*0*	*105*	*74-125*	*1307*	*0.531*	*20*	
Surr: Toluene-d8	1318	25	*1250*	*0*	*105*	*75-125*	*1315*	*0.271*	*20*	

The following samples were analyzed in this batch: 1309591-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Tasman Geosciences
Work Order: 1309591
Project: DCP-Burton Flats Booster Station

QC BATCH REPORT

Batch ID: **R154262** Instrument ID **ICS2100** Method: **SW9056** **(Dissolve)**

MBLK Sample ID: **WBLKW2-R154262** Units: **mg/L** Analysis Date: **9/24/2013 05:05 PM**
Client ID: Run ID: **ICS2100_130924B** SeqNo: **3368439** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.500								

LCS Sample ID: **WLCSW2-R154262** Units: **mg/L** Analysis Date: **9/24/2013 05:19 PM**
Client ID: Run ID: **ICS2100_130924B** SeqNo: **3368440** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	21.35	0.500	20	0	107	80-120				

MS Sample ID: **1309591-01BMS** Units: **mg/L** Analysis Date: **9/24/2013 11:08 PM**
Client ID: **MW-2** Run ID: **ICS2100_130924B** SeqNo: **3368464** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	1865	25.0	500	1415	90	80-120				

MSD Sample ID: **1309591-01BMSD** Units: **mg/L** Analysis Date: **9/24/2013 11:23 PM**
Client ID: **MW-2** Run ID: **ICS2100_130924B** SeqNo: **3368465** Prep Date: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	1846	25.0	500	1415	86.2	80-120	1865	1.02	20	

The following samples were analyzed in this batch: 1309591-01B 1309591-02B 1309591-03B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 5 of 5

Client: Tasman Geosciences
Project: DCP-Burton Flats Booster Station
WorkOrder: 1309591

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Units Reported	Description
mg/L	Milligrams per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **TASMAN GEOSCIENCES** Date/Time Received: **12-Sep-13 09:25**

Work Order: **1309591** Received by: **JBA**

Checklist completed by William Jenkins eSignature 13-Sep-13 Date Reviewed by: Sonia West eSignature 16-Sep-13 Date

Matrices: WATER
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.3c/1.3c C/U	IR1	
Cooler(s)/Kit(s):	4375		
Date/Time sample(s) sent to storage:	9/13/13 19:45		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: Received Trip Blank not listed on the coc. As per historical events this sample was analyzed for BTEX.

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

SRC Page 1 of 1

ALS Environmental

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Everett, WA +1 425 356 2600 | Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 87509

1309591

TASMAN GEOSCIENCES: Tasman Geosciences

Project: EnBurton Flats Booster station

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Burton Flats Booster Station	A	
Work Order		Project Number	311090017 GN00	B	Anions (9056) Cl
Company Name	Tasman Geosciences	Bill To Company	DCP Midstream, LP	C	
Send Report To	Christine Wasko	Invoice Attn	Chandler Cole	D	
Address	5690 Webster Street	Address	370 17th Street, Suite 2500	E	
				F	
City/State/Zip	Arvada, CO 80002	City/State/Zip	Denver, Colorado 80102	G	
Phone	(720) 988-2024	Phone		H	
Fax		Fax		I	
e-Mail Address	CWasko@tasmangeo.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-1			Water					LNAPL present								☐
2	MW-2	9/11/13	1215	Water	TCl	4	X	X									☐
3	MW-2 MS		1215	Water		4											☐
4	MW-2 MSD		1215	Water		4											☐
5	MW-3		1245	Water		4											☐
6	Duplicate.			Water		4											☐
7																	
8																	
9																	
10																	

16 of 17

Sampler(s) Please Print & Sign: Christine Wasko

Shipment Method: FedEx

Required Turnaround Time: (Check Box) ☑ Std 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour ☐ Other

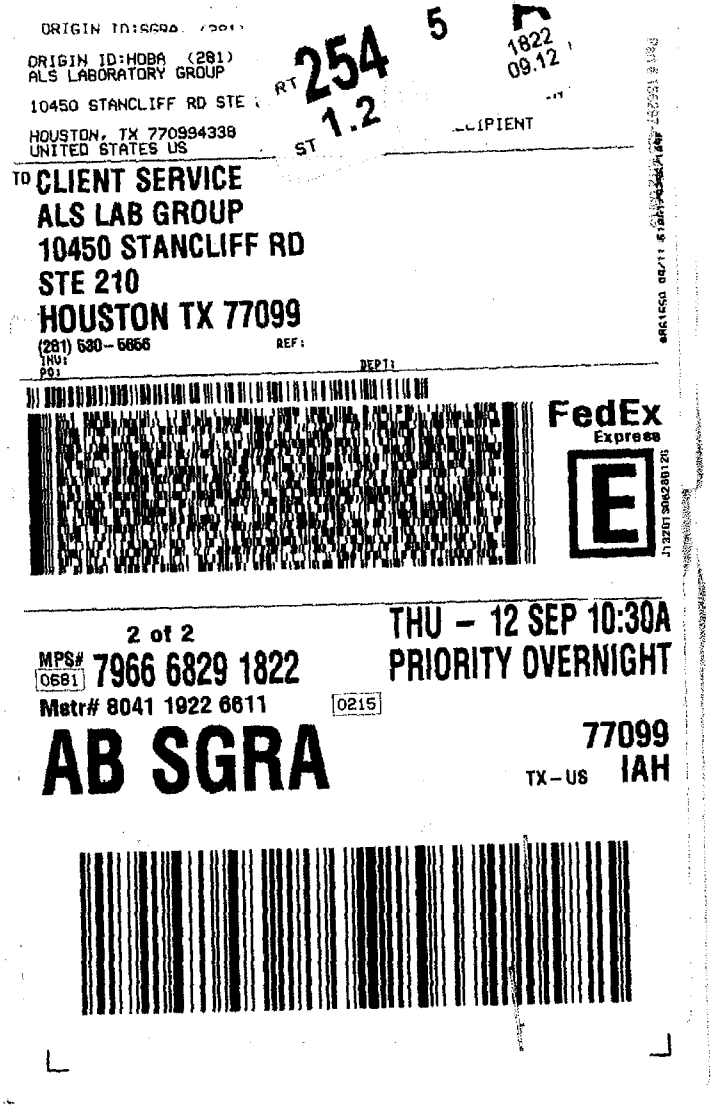
Results Due Date:

Relinquished by:	Date: 9/11/13	Time: 1600	Received by: FedEx	Notes: 10 Day TAT	
Relinquished by:	Date: 9/10/13	Time: 0935	Received by (Laboratory):	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	6375	

QC Package: (Check One Box Below)
☑ Level II Std QC ☐ TRRP CheckList
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other / EDD

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.



ORIGIN ID:HOBA (281)
ALS LABORATORY GROUP
10450 STANCLIFF RD STE
HOUSTON, TX 770994338
UNITED STATES US

RT 254 5 1822
ST 1.2 09.12

TO CLIENT SERVICE
ALS LAB GROUP
10450 STANCLIFF RD
STE 210
HOUSTON TX 77099
(281) 530-5656 REF:

FedEx Express

2 of 2
MPS# 0681 7966 6829 1822
Mstr# 8041 1922 6611 0215

THU - 12 SEP 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US IAH

ALS Environmental
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

435

CUSTODY SEAL
Date: 9/11/13 Time:
Name:
Company: