

**2R - 799**

**Q4 2013 GWMR**

**02 / 12 / 2014**



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

RECEIVED  
OCD

February 12, 2014

2014 FEB 17 AM 11:27

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

**RE: Fourth 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 Fourth 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](mailto: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

# Fourth Quarter 2013 Groundwater Monitoring and Activities Summary Report

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

Prepared for:



370 17<sup>th</sup> St., Suite 2500  
Denver, CO 80202

*Prepared by:*



6899 Pecos Street, Unit C  
Denver, Colorado 80221

**January 23, 2014**

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## 1. Introduction

This report summarizes the groundwater monitoring activities conducted during the fourth 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 4<sup>th</sup> 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 shown in 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 fourth quarter 2013 groundwater monitoring event. Quarterly monitoring activities were conducted on December 3, 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 fourth quarter 2013 monitoring event, 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 fourth 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 3,176.85 feet AMSL at monitoring well MW-1 to 3,177.21 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.

Due to the presence of LNAPL in MW-1 groundwater elevation was calculated to account for a LNAPL density of 0.75 grams per cubic centimeter. Groundwater elevations in MW-2 and MW3 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 during the third quarter 2013 and was identified again during the fourth quarter 2013 with a measured thickness of 0.12 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 0.19-feet during the fourth 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 fourth 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 degrees Celsius ( $^{\circ}\text{C}$ ) 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 1,120 mg/l and 432 mg/l, respectively.

Figure 4 displays analytical results from the fourth quarter 2013 event as well as the third quarter 2013 event. Table 2 presents fourth quarter 2013 analytical 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

During the 2013 fourth quarter monitoring event approximately 4 ounces of LNAPL was recovered from the passive LNAPL collection bailer installed at MW-1. Less than 1 ounce of LNAPL was recovered from the passive LNAPL collection bailer installed in MW-4. 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 fourth 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 fourth quarter 2013.

Elevated dissolved phase BTEX concentrations were observed in down-gradient monitoring well MW-1 prior to the detection of free phase hydrocarbons, 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 reporting period event suggesting that the dissolved phase hydrocarbon plume has minor lateral dispersion across the Site.

## 6. Recommendations

Based on evaluation of fourth 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.
- Obtain survey data for monitoring well MW-4.

## Tables

**TABLE 1  
FOURTH 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	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-1	12/3/2013	22.12	22.00	0.12	34.25	3198.88	3176.85	0.21
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-2	12/3/2013	22.95			32.85	3200.00	3177.05	0.23
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-3	12/3/2013	23.64			34.23	3200.85	3177.21	0.22
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
MW-4	12/3/2013	25.03	24.84	0.19	NM	NM	NM	NM
Average change in groundwater elevation since the previous monitoring event								0.22

Notes:

- 1- Depths measured from the north edge of the well casing.
- 2- Total depths were collected and recorded during the fourth 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

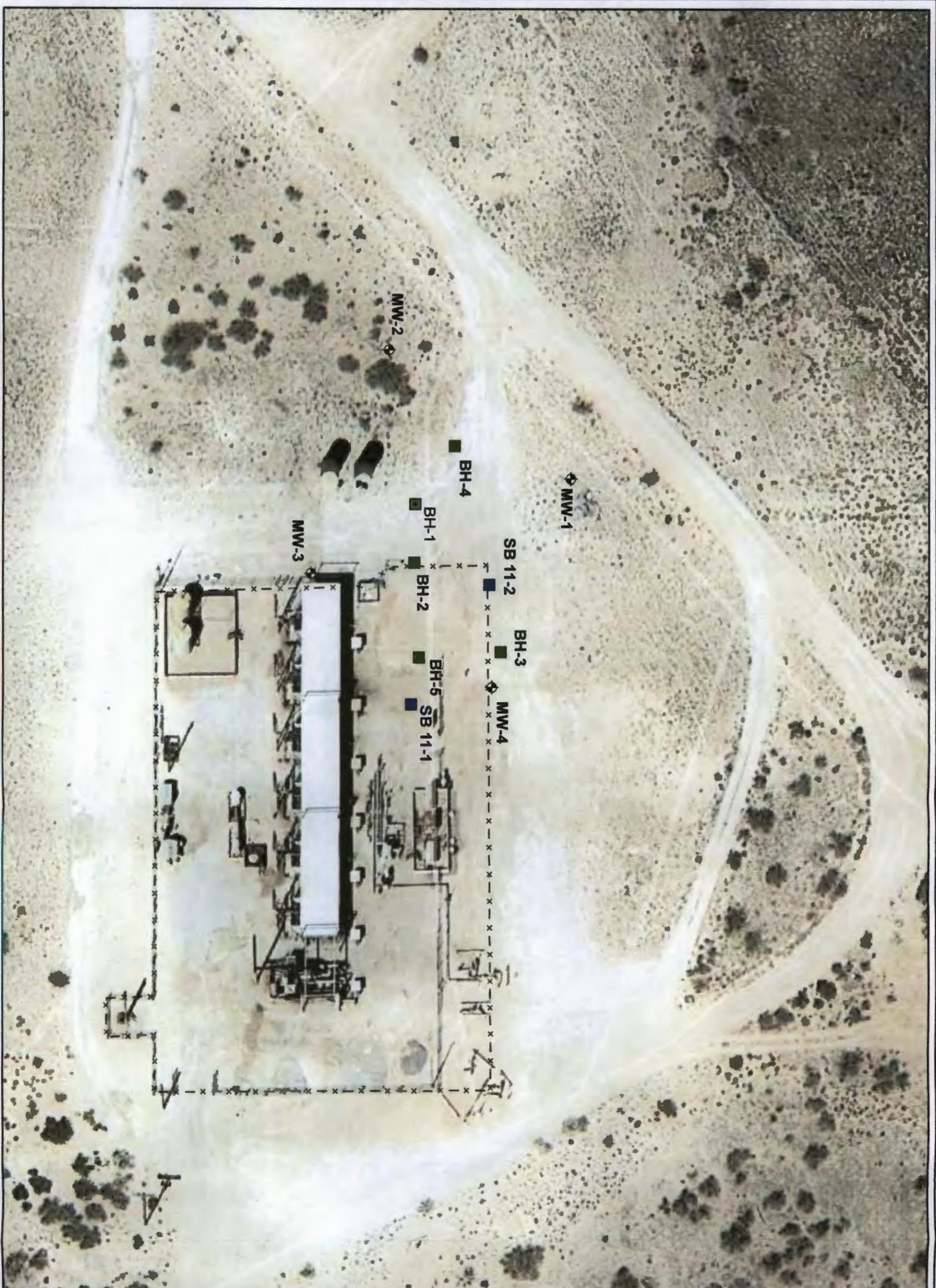
**TABLE 2**  
**FOURTH QUARTER 2013**  
**SUMMARY OF BTEX AND CHLORIDE CONCENTRATIONS IN GROUNDWATER**  
**BURTON FLATS BOOSTER STATION**  
**EDDY COUNTY, NEW MEXICO**

Location Identification	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Total Xylenes (mg/l)	Chlorides (mg/l)	Comments
<b>New Mexico Water Quality Control Commission Groundwater Standards</b>		<b>0.01 (mg/l)</b>	<b>0.75 (mg/l)</b>	<b>0.75 (mg/l)</b>	<b>0.62 (mg/l)</b>	<b>250*</b>	
MW-1	12/5/2012	<b>0.020</b>	<0.001	0.17	0.037	<b>599</b>	
MW-1	2/21/2013	0.0021	<0.001	0.0058	<0.003	<b>668</b>	Duplicate sample collected
MW-1	6/3/2013	0.0049	<0.001	0.0048	<0.001	<b>703</b>	Duplicate sample collected
MW-1	9/11/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-1	12/3/2013	LNAPL	LNAPL	LNAPL	LNAPL	LNAPL	
MW-2	12/5/2012	<0.001	<0.001	<0.001	<0.003	<b>1,120</b>	Duplicate sample collected
MW-2	2/21/2013	<0.001	<0.001	<0.001	<0.003	<b>1,250</b>	
MW-2	6/3/2013	<0.001	<0.001	<0.001	<0.001	<b>1,150</b>	
MW-2	9/11/2013	<0.001	<0.001	<0.001	<0.001	<b>1,410</b>	Duplicate sample collected
MW-2	12/3/2013	<0.001	<0.001	<0.001	<0.001	<b>1,120</b>	Duplicate sample collected
MW-3	12/5/2012	<0.001	<0.001	<0.001	<0.003	<b>444</b>	
MW-3	2/21/2013	<0.001	<0.001	<0.001	<0.003	<b>503</b>	
MW-3	6/12/2013	<0.001	<0.001	<0.001	<0.001	<b>474</b>	
MW-3	9/11/2013	<0.001	<0.001	<0.001	<0.001	<b>589</b>	
MW-3	12/3/2013	<0.001	<0.001	<0.001	<0.001	<b>432</b>	
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	
MW-4	12/3/2013	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



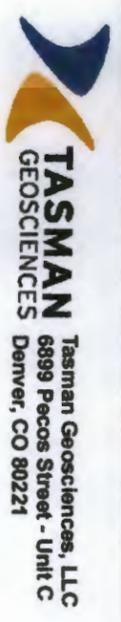


**Legend**

- ⊕ Monitoring Well
- Soil Boring (2010)
- Soil Boring (2011)
- - - - - Boundary



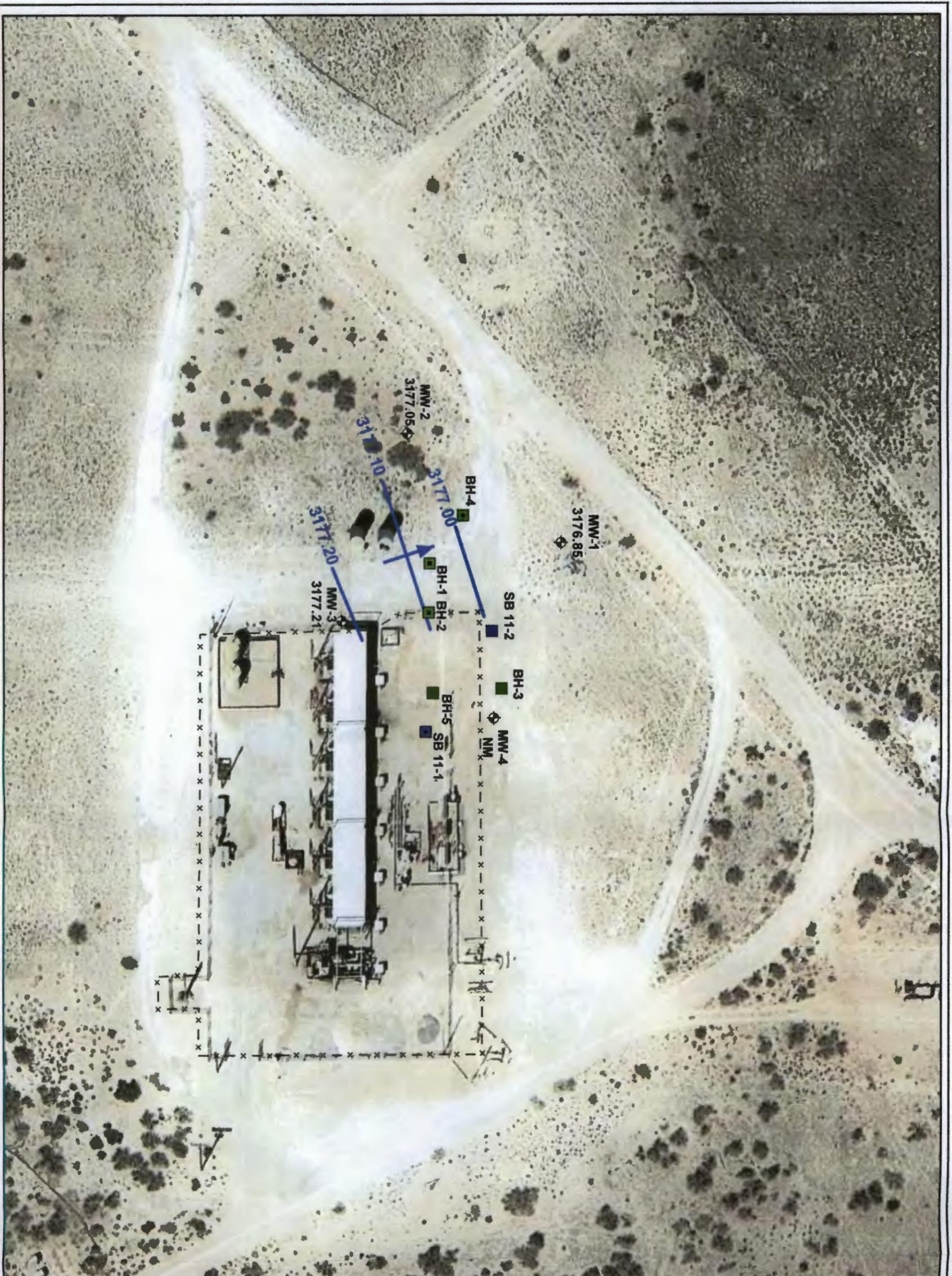
DATE: January 2014  
 DESIGNED BY: J. Barker  
 DRAWN BY: D. Arnold



**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



**Legend**

- ◊ Monitoring Well
- Soil Boring (2010)
- Soil Boring (2011)
- x - x - Boundary
- 3176.10 Measured Groundwater Elevation (feet AMSL) (Dashed Where Inferred)
- Groundwater Flow Direction

**Notes:**

NM - Not Measured

Scale: 0, 65, 130 Feet

DATE: January 2014  
 DESIGNED BY: J. Barker  
 DRAWN BY: D. Arnold

**TASMAN GEOSCIENCES**  
 Tasman Geosciences, LLC  
 6899 Pecos Street - Unit C  
 Denver, CO 80221

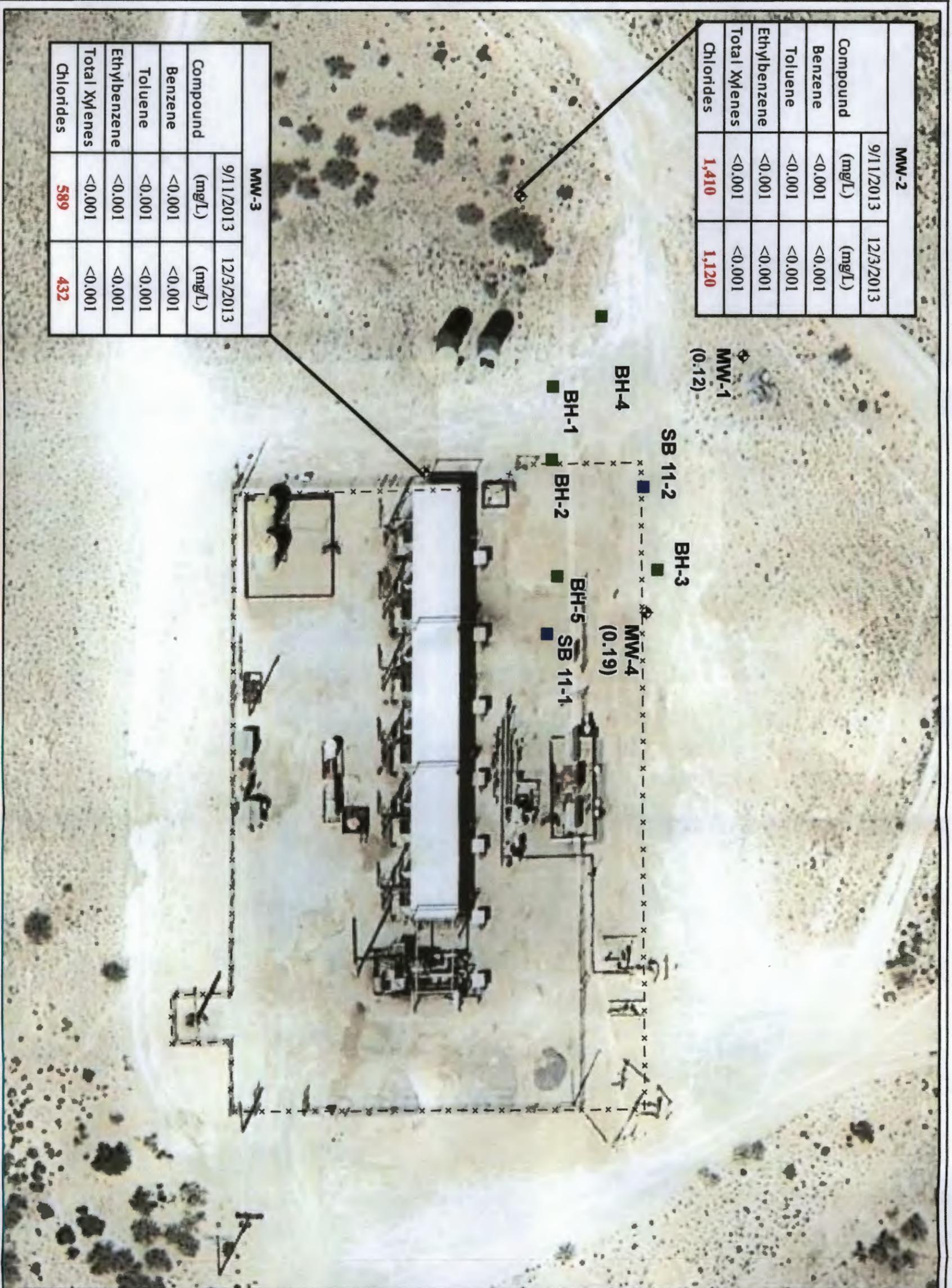
**DCP Midstream**  
**Burton Flats Booster Station**  
 Lots 4 and 5, Section 1, Township 21 South, Range 27 East  
 Eddy County, New Mexico

**POTENTIOMETRIC SURFACE**  
 MAP  
 (DECEMBER 3, 2013)

**Figure 3**

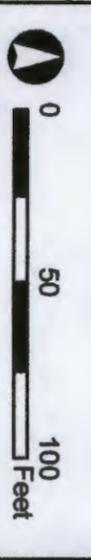
MW-2		
Compound	9/11/2013 (mg/L)	12/3/2013 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.001	<0.001
Ethylbenzene	<0.001	<0.001
Total Xylenes	<0.001	<0.001
Chlorides	1,410	1,120

MW-3		
Compound	9/11/2013 (mg/L)	12/3/2013 (mg/L)
Benzene	<0.001	<0.001
Toluene	<0.001	<0.001
Ethylbenzene	<0.001	<0.001
Total Xylenes	<0.001	<0.001
Chlorides	589	432



**Legend**

- ◊ Monitoring Well
- Soil Boring (2010)
- Soil Boring (2011)
- x - x - Boundary
- (1.65) Measured LNAPL Thickness



DATE: January 2014  
 DESIGNED BY: J. Barker  
 DRAWN BY: D. Arnold

**TASMAN** Geosciences, LLC  
 6899 Pecos Street - Unit C  
 Denver, CO 80221

**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  
 (DECEMBER 3, 2013)

Figure  
 4

## Appendix A

### Laboratory Analytical Reports



17-Dec-2013

Christine Wasko  
Tasman Geosciences  
5690 Webster Street  
Arvada, CO 80002

Tel: (720) 988-2024  
Fax:

Re: Burton Flats Booster Station

Work Order: **1312266**

Dear Christine,

ALS Environmental received 3 samples on 06-Dec-2013 11:17 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 16.

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

Sincerely,

Electronically approved by: Dayna.Fisher

Sonia West  
Project Manager



Certificate No: T104704231-13-12



[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS

---

**Client:** Tasman Geosciences  
**Project:** Burton Flats Booster Station  
**Work Order:** 1312266

**Work Order Sample Summary**

---

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1312266-01	MW-2	Water		12/3/2013 14:40	12/6/2013 11:17	<input type="checkbox"/>
1312266-02	MW-3	Water		12/3/2013 15:00	12/6/2013 11:17	<input type="checkbox"/>
1312266-03	Duplicate	Water		12/3/2013	12/6/2013 11:17	<input type="checkbox"/>

**ALS Environmental**

*Date: 17-Dec-13*

---

**Client:** Tasman Geosciences  
**Project:** Burton Flats Booster Station  
**Work Order:** 1312266

---

**Case Narrative**

No Exceptions

**ALS Environmental**

Date: 17-Dec-13

Client: Tasman Geosciences  
 Project: Burton Flats Booster Station  
 Sample ID: MW-2  
 Collection Date: 12/3/2013 02:40 PM

Work Order: 1312266  
 Lab ID: 1312266-01  
 Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>LOW LEVEL VOLATILES - SW8260C</b>			<b>SW8260</b>			Analyst: PC
Benzene	ND		0.0010	mg/L	1	12/12/2013 11:56 PM
Ethylbenzene	ND		0.0010	mg/L	1	12/12/2013 11:56 PM
Toluene	ND		0.0010	mg/L	1	12/12/2013 11:56 PM
Xylenes, Total	ND		0.0010	mg/L	1	12/12/2013 11:56 PM
Surr: 1,2-Dichloroethane-d4	105		71-125	%REC	1	12/12/2013 11:56 PM
Surr: 4-Bromofluorobenzene	97.5		70-125	%REC	1	12/12/2013 11:56 PM
Surr: Dibromofluoromethane	100		74-125	%REC	1	12/12/2013 11:56 PM
Surr: Toluene-d8	97.0		75-125	%REC	1	12/12/2013 11:56 PM
<b>ANIONS</b>			<b>SW9056</b>			Analyst: JKP
Chloride	1,120		25.0	mg/L	50	12/16/2013 11:27 AM
Surr: Selenate (surr)	0		80-120	%REC	50	12/16/2013 11:27 AM

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

**ALS Environmental**

Date: 17-Dec-13

**Client:** Tasman Geosciences  
**Project:** Burton Flats Booster Station  
**Sample ID:** MW-3  
**Collection Date:** 12/3/2013 03:00 PM

**Work Order:** 1312266  
**Lab ID:** 1312266-02  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>LOW LEVEL VOLATILES - SW8260C</b>			<b>SW8260</b>			<b>Analyst: PC</b>
Benzene	ND		0.0010	mg/L	1	12/12/2013 01:23 AM
Ethylbenzene	ND		0.0010	mg/L	1	12/12/2013 01:23 AM
Toluene	ND		0.0010	mg/L	1	12/12/2013 01:23 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/12/2013 01:23 AM
Surr: 1,2-Dichloroethane-d4	103		71-125	%REC	1	12/12/2013 01:23 AM
Surr: 4-Bromofluorobenzene	98.6		70-125	%REC	1	12/12/2013 01:23 AM
Surr: Dibromofluoromethane	98.5		74-125	%REC	1	12/12/2013 01:23 AM
Surr: Toluene-d8	97.1		75-125	%REC	1	12/12/2013 01:23 AM
<b>ANIONS</b>			<b>SW9056</b>			<b>Analyst: JKP</b>
Chloride	432		5.00	mg/L	10	12/16/2013 12:39 PM
Surr: Selenate (surr)	0		80-120	%REC	10	12/16/2013 12:39 PM

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

**ALS Environmental**

Date: 17-Dec-13

**Client:** Tasman Geosciences  
**Project:** Burton Flats Booster Station  
**Sample ID:** Duplicate  
**Collection Date:** 12/3/2013

**Work Order:** 1312266  
**Lab ID:** 1312266-03  
**Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>LOW LEVEL VOLATILES - SW8260C</b>			<b>SW8260</b>			<b>Analyst: PC</b>
Benzene	ND		0.0010	mg/L	1	12/12/2013 01:49 AM
Ethylbenzene	ND		0.0010	mg/L	1	12/12/2013 01:49 AM
Toluene	ND		0.0010	mg/L	1	12/12/2013 01:49 AM
Xylenes, Total	ND		0.0010	mg/L	1	12/12/2013 01:49 AM
Surr: 1,2-Dichloroethane-d4	104		71-125	%REC	1	12/12/2013 01:49 AM
Surr: 4-Bromofluorobenzene	98.2		70-125	%REC	1	12/12/2013 01:49 AM
Surr: Dibromofluoromethane	99.5		74-125	%REC	1	12/12/2013 01:49 AM
Surr: Toluene-d8	97.1		75-125	%REC	1	12/12/2013 01:49 AM
<b>ANIONS</b>			<b>SW9056</b>			<b>Analyst: JKP</b>
Chloride	1,110		25.0	mg/L	50	12/16/2013 03:08 PM
Surr: Selenate (surr)	0		80-120	%REC	50	12/16/2013 03:08 PM

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

**Work Order:** 1312266  
**Client:** Tasman Geosciences  
**Project:** Burton Flats Booster Station

**DATES REPORT**

Sample ID	Client Sample ID	Matrix	Collection Date	TCLP Date	Prep Date	Analysis Date
<b><u>Batch ID R158465</u> Test Name: Low Level Volatiles - SW8260C</b>						
1312266-02A	MW-3	Water	12/3/2013 3:00:00 PM			12/12/2013 01:23 AM
1312266-03A	Duplicate		12/3/2013			12/12/2013 01:49 AM
<b><u>Batch ID R158528</u> Test Name: Low Level Volatiles - SW8260C</b>						
1312266-01A	MW-2	Water	12/3/2013 2:40:00 PM			12/12/2013 11:56 PM
<b><u>Batch ID R158647</u> Test Name: Anions</b>						
1312266-01B	MW-2	Water	12/3/2013 2:40:00 PM			12/16/2013 11:27 AM
1312266-02B	MW-3		12/3/2013 3:00:00 PM			12/16/2013 12:39 PM
1312266-03B	Duplicate		12/3/2013			12/16/2013 03:08 PM

ALS Environmental

Date: 17-Dec-13

Client: Tasman Geosciences  
 Work Order: 1312266  
 Project: Burton Flats Booster Station

QC BATCH REPORT

Batch ID: R158465 Instrument ID VOA6 Method: SW8260

MBLK Sample ID: VBLKW-131211-R158465 Units: µg/L Analysis Date: 12/11/2013 11:14 PM  
 Client ID: Run ID: VOA6\_131211B SeqNo: 3466330 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	51.99	1.0	50	0	104	71-125	0			
Surr: 4-Bromofluorobenzene	49.06	1.0	50	0	98.1	70-125	0			
Surr: Dibromofluoromethane	49.97	1.0	50	0	99.9	74-125	0			
Surr: Toluene-d8	48.34	1.0	50	0	96.7	75-125	0			

LCS Sample ID: VLCSW-131211-R158465 Units: µg/L Analysis Date: 12/11/2013 10:22 PM  
 Client ID: Run ID: VOA6\_131211B SeqNo: 3466329 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	46.07	1.0	50	0	92.1	80-120				
Ethylbenzene	49	1.0	50	0	98	80-120				
Toluene	47.05	1.0	50	0	94.1	80-121				
Xylenes, Total	147.1	3.0	150	0	98.1	80-124				
Surr: 1,2-Dichloroethane-d4	49.89	1.0	50	0	99.8	71-125	0			
Surr: 4-Bromofluorobenzene	50.43	1.0	50	0	101	70-125	0			
Surr: Dibromofluoromethane	49.57	1.0	50	0	99.1	74-125	0			
Surr: Toluene-d8	49.71	1.0	50	0	99.4	75-125	0			

MS Sample ID: 1312258-06AMS Units: µg/L Analysis Date: 12/12/2013 04:24 AM  
 Client ID: Run ID: VOA6\_131211B SeqNo: 3466342 Prep Date: DF: 1

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	51.47	1.0	50	0.2588	102	80-120				
Ethylbenzene	45.84	1.0	50	0	91.7	80-120				
Toluene	45.98	1.0	50	0	92	80-121				
Xylenes, Total	137.7	3.0	150	0	91.8	80-124				
Surr: 1,2-Dichloroethane-d4	50.28	1.0	50	0	101	71-125	0			
Surr: 4-Bromofluorobenzene	50.72	1.0	50	0	101	70-125	0			
Surr: Dibromofluoromethane	49.78	1.0	50	0	99.6	74-125	0			
Surr: Toluene-d8	49.78	1.0	50	0	99.6	75-125	0			

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

Client: Tasman Geosciences  
 Work Order: 1312266  
 Project: Burton Flats Booster Station

## QC BATCH REPORT

Batch ID: **R158465** Instrument ID **VOA6** Method: **SW8260**

MSD	Sample ID: 1312258-06AMSD	Units: µg/L				Analysis Date: 12/12/2013 04:50 AM				
Client ID:	Run ID: VOA6_131211B	SeqNo: 3466343			Prep Date:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.18	1.0	50	0.2588	95.8	80-120	51.47	6.6	20	
Ethylbenzene	47.27	1.0	50	0	94.5	80-120	45.84	3.08	20	
Toluene	47.24	1.0	50	0	94.5	80-121	45.98	2.7	20	
Xylenes, Total	142.4	3.0	150	0	95	80-124	137.7	3.34	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	50.61	1.0	50	0	101	71-125	50.28	0.638	20	
<i>Surr: 4-Bromofluorobenzene</i>	50.97	1.0	50	0	102	70-125	50.72	0.493	20	
<i>Surr: Dibromofluoromethane</i>	49.4	1.0	50	0	98.8	74-125	49.78	0.765	20	
<i>Surr: Toluene-d8</i>	50.21	1.0	50	0	100	75-125	49.78	0.858	20	

The following samples were analyzed in this batch:

1312266-02A	1312266-03A
-------------	-------------

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

Client: Tasman Geosciences  
 Work Order: 1312266  
 Project: Burton Flats Booster Station

# QC BATCH REPORT

Batch ID: **R158528** Instrument ID **VOA6** Method: **SW8260**

MBLK		Sample ID: <b>VBLKW-131212-R158528</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/12/2013 11:30 PM</b>		
Client ID:		Run ID: <b>VOA6_131212C</b>			SeqNo: <b>3467836</b>			Prep Date:		DF: <b>1</b>
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								
<i>Surr: 1,2-Dichloroethane-d4</i>	51.45	1.0	50	0	103	71-125		0		
<i>Surr: 4-Bromofluorobenzene</i>	49.1	1.0	50	0	98.2	70-125		0		
<i>Surr: Dibromofluoromethane</i>	49.71	1.0	50	0	99.4	74-125		0		
<i>Surr: Toluene-d8</i>	48.5	1.0	50	0	97	75-125		0		

LCS		Sample ID: <b>VLC5W-131212-R158528</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/12/2013 10:38 PM</b>		
Client ID:		Run ID: <b>VOA6_131212C</b>			SeqNo: <b>3467835</b>			Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	48.69	1.0	50	0	97.4	80-120				
Ethylbenzene	51.18	1.0	50	0	102	80-120				
Toluene	49.31	1.0	50	0	98.6	80-121				
Xylenes, Total	153.7	3.0	150	0	102	80-124				
<i>Surr: 1,2-Dichloroethane-d4</i>	49.66	1.0	50	0	99.3	71-125		0		
<i>Surr: 4-Bromofluorobenzene</i>	50.39	1.0	50	0	101	70-125		0		
<i>Surr: Dibromofluoromethane</i>	49.83	1.0	50	0	99.7	74-125		0		
<i>Surr: Toluene-d8</i>	50.02	1.0	50	0	100	75-125		0		

MS		Sample ID: <b>1312266-01AMS</b>			Units: <b>µg/L</b>			Analysis Date: <b>12/13/2013 12:22 AM</b>		
Client ID: <b>MW-2</b>		Run ID: <b>VOA6_131212C</b>			SeqNo: <b>3467838</b>			Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	47.49	1.0	50	0	95	80-120				
Ethylbenzene	47.21	1.0	50	0	94.4	80-120				
Toluene	47.09	1.0	50	0	94.2	80-121				
Xylenes, Total	142.1	3.0	150	0	94.7	80-124				
<i>Surr: 1,2-Dichloroethane-d4</i>	50.57	1.0	50	0	101	71-125		0		
<i>Surr: 4-Bromofluorobenzene</i>	50.42	1.0	50	0	101	70-125		0		
<i>Surr: Dibromofluoromethane</i>	49.78	1.0	50	0	99.6	74-125		0		
<i>Surr: Toluene-d8</i>	49.63	1.0	50	0	99.3	75-125		0		

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

Client: Tasman Geosciences  
 Work Order: 1312266  
 Project: Burton Flats Booster Station

## QC BATCH REPORT

Batch ID: **R158528** Instrument ID **VOA6** Method: **SW8260**

MSD		Sample ID: 1312266-01AMSD			Units: µg/L		Analysis Date: 12/13/2013 12:48 AM			
Client ID: MW-2		Run ID: VOA6_131212C			SeqNo: 3467839		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	47	1.0	50	0	94	80-120	47.49	1.04	20	
Ethylbenzene	44.97	1.0	50	0	89.9	80-120	47.21	4.87	20	
Toluene	45.71	1.0	50	0	91.4	80-121	47.09	2.98	20	
Xylenes, Total	137.2	3.0	150	0	91.5	80-124	142.1	3.52	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	50.47	1.0	50	0	101	71-125	50.57	0.186	20	
<i>Surr: 4-Bromofluorobenzene</i>	50.44	1.0	50	0	101	70-125	50.42	0.0329	20	
<i>Surr: Dibromofluoromethane</i>	49.83	1.0	50	0	99.7	74-125	49.78	0.101	20	
<i>Surr: Toluene-d8</i>	49.7	1.0	50	0	99.4	75-125	49.63	0.141	20	

The following samples were analyzed in this batch:

1312266-01A

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

Client: Tasman Geosciences  
 Work Order: 1312266  
 Project: Burton Flats Booster Station

## QC BATCH REPORT

Batch ID: **R158647** Instrument ID **ICS3K2** Method: **SW9056** (Dissolve)

MBLK		Sample ID: <b>WBLKW1-R158647</b>			Units: <b>mg/L</b>		Analysis Date: <b>12/16/2013 10:42 AM</b>			
Client ID:		Run ID: <b>ICS3K2_131216A</b>			SeqNo: <b>3470988</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.500								
<i>Surr: Selenate (surr)</i>	ND	0.100								

LCS		Sample ID: <b>WLCSW1-R158647</b>			Units: <b>mg/L</b>		Analysis Date: <b>12/16/2013 10:10 AM</b>			
Client ID:		Run ID: <b>ICS3K2_131216A</b>			SeqNo: <b>3470987</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	18.88	0.500	20	0	94.4	80-120				

MS		Sample ID: <b>1312266-01BMS</b>			Units: <b>mg/L</b>		Analysis Date: <b>12/16/2013 11:51 AM</b>			
Client ID: <b>MW-2</b>		Run ID: <b>ICS3K2_131216A</b>			SeqNo: <b>3470990</b>		Prep Date:		DF: <b>50</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	1569	25.0	500	1121	89.5	80-120				

MSD		Sample ID: <b>1312266-01BMSD</b>			Units: <b>mg/L</b>		Analysis Date: <b>12/16/2013 12:15 PM</b>			
Client ID: <b>MW-2</b>		Run ID: <b>ICS3K2_131216A</b>			SeqNo: <b>3470991</b>		Prep Date:		DF: <b>50</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	1574	25.0	500	1121	90.7	80-120	1569	0.368	20	

The following samples were analyzed in this batch: 

1312266-01B	1312266-02B	1312266-03B
-------------	-------------	-------------

**Client:** Tasman Geosciences  
**Project:** Burton Flats Booster Station  
**WorkOrder:** 1312266

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	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

<u>Acronym</u>	<u>Description</u>
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

<u>Units Reported</u>	<u>Description</u>
mg/L	Milligrams per Liter





Cincinnati, OH  
+1 513 733 5336  
Everett, WA  
+1 425 338 2600

Fort Collins, CO  
+1 970 490 1511  
Holland, MI  
+1 616 399 6070

# Chain of Custody Form

Page 1 of 1  
COC ID: 87020

Houston, TX

Service City: DA

Sample Production Unit

# 1312266

TASMAN GEOSCIENCES: Tasman Geosciences

## Environmental

ALS Project Manager:

Project: Burton Flats Booster Station

Customer Information				Project Information													
Purchase Order	Project Name	Burton Flats Booster Station											A	B			
Work Order	Project Number	311090017 GNC00											B	Anions (9056) CI			
Company Name	Bill To Company	DCP Mktstream, LP											C				
Send Report To	Invoices Athn	Chandler Cde											D				
Address	Address	370 17th Street, Suite 2500											E				
City/State/Zip	City/State/Zip	Denver, Colorado 80102											F				
Phone	Phone	(720) 988-2024											G				
Fax	Fax												H				
e-Mail Address	e-Mail Address												I				
													J				
No.	Sample Description	Date	Time	Mainly	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-1	-	-	Water	-	-	-	-	-	-	-	-	LNAPL				<input type="checkbox"/>
2	MW-2	12/3/2013	1440	Water	HLL	4	X	X									<input type="checkbox"/>
3	MW-2 MS		↓	Water	↓	↓	X	X									<input type="checkbox"/>
4	MW-2 MSD		↓	Water	↓	↓	X	X									<input type="checkbox"/>
5	MW-3		1500	Water	↓	↓	X	X									<input type="checkbox"/>
6	Duplicate.		-	Water	↓	↓	X	X									<input type="checkbox"/>
7																	<input type="checkbox"/>
8																	<input type="checkbox"/>
9																	<input type="checkbox"/>
10																	<input type="checkbox"/>

Sampler(s) Please Print & Sign: *Wendy Jones*  
 Date: 12/5/13  
 Time: 1300  
 Shipment Method: FEDEX  
 Received by: *FEDEX*  
 Date: 12/5/13  
 Time: 1300  
 Requisitioned by: *Wendy Jones*  
 Date: 12/5/13  
 Time: 1300  
 Requisitioned by: *Wendy Jones*  
 Date: 12/5/13  
 Time: 1300  
 Logged by (Laboratory):  
 Date:  
 Time:  
 Preservative Key: 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C 9-6035

Required Turnaround Time: (Check Box)  
 Std 10-WK Days  
 5-WK Days  
 2-MK Days  
 24-Hour  
 Other:  
 Notes: 10 Day TAT  
 Cooler ID:  
 Cooler Temp:  
 OC Package: (Check One Box Below)  
 Level II Std OC  
 Level III Std OC/Raw Data  
 Level IV SW846/CLP  
 Other / EDD  
 TRRP Checklist  
 TRRP Level I  
 TRRP Level II  
 TRRP Level III  
 TRRP Level IV  
 Results Due Date:

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.

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ORIGIN ID: H09A (261) 530-5656  
ALS LABORATORY GROUP  
10450 STANCLIFF RD STE 210  
HOUSTON, TX 770984338  
UNITED STATES US

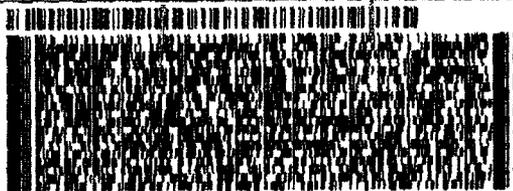
SHIP DATE: 05DEC13  
ACTWGT: 28.0 LB MAN  
CAD: /P081424  
DIMS: 24x23x13 IN  
BILL SENDER

TO

**ALS LABORATORY GROUP**  
**10450 STANCLIFF RD**  
**STE 210**  
**HOUSTON TX 77099**

(261) 530-5656

REF:



**FedEx**  
Express



2 of 2

MPS# 7973 2329 3910

Matr# 8042 4829 1384

0215

**FRI - 06 DEC 10:30A**  
**PRIORITY OVERNIGHT**

**AB SGRA**

**77099**  
**TX-US IAH**

 **ALS Environmental**  
10450 Stancliff Rd Ste 210  
Houston TX 77099  
(261) 530-5656

**008**  
**12-5-13**  
Date: 12/5/13  
Name: [Signature]  
Company: [Signature]

**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 Commission 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-1	12/3/2013	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-2	12/3/2013	<0.001	<0.001	<0.001	<0.001	1,120	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-3	12/3/2013	<0.001	<0.001	<0.001	<0.001	432	
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	
MW-4	12/3/2013	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.