



April 8, 2014

Annette Garrigues
Environmental Specialist
Williams (Bargath LLC)
4289 County Road 215
Parachute, Colorado 81635

RE: Additional Site Characterization Work Plan - Phase II and Proposed Groundwater Monitoring Changes, Black Sulphur Compressor Station, Rio Blanco County, Colorado, Olsson Project Number 013-0231

Dear Ms. Garrigues:

Olsson Associates, Inc. (Olsson) is pleased to provide Williams (Bargath LLC) with a Site Characterization Work Plan for the Black Sulphur Compressor Station (COGCC Facility Number 428642, Remediation Number 8268) located on County Road 26 (Black Sulphur Creek Road) north of Black Sulphur Creek at latitude 39.856808 north and longitude -108.329129 west, in Rio Blanco County, Colorado.

Introduction

The Black Sulphur Compressor Station (site) is an active compressor station operated by Williams (Bargath LLC). Olsson has prepared this work plan to characterize the hydrocarbon impact within the suspected source areas. This project is being conducted under the jurisdiction of the Colorado Oil and Gas Conservation Commission (COGCC). To date, the majority of site characterization soil samples submitted for laboratory analyses were collected in the capillary fringe just above the groundwater. The intent of this investigation is to profile the vertical and horizontal extent of petroleum impacts for remediation method evaluation.

Prior Site Investigations

In June 2012, a site characterization was performed by HRL Compliance Solutions, Inc. (HCSI) that included advancing 28 soil borings (BH01 to BH24 and CB BH01 to CB BH04). In addition, the site investigation included the installation of six 2-inch diameter monitoring wells and one 1-inch diameter monitoring well (MW1 through MW7). HCSI collected groundwater samples from the seven monitoring wells in June 2012, July 2012, August 2012, and September 2012 for laboratory analysis. Surface water samples from Black Sulphur Creek were collected from locations upstream and downstream of the compressor station in June 2012.

The project transitioned to Olsson in late January 2013. Olsson has collected groundwater samples on a monthly basis beginning in January 2013. Surface water samples from Black Sulphur Creek have been collected from an upstream, midstream, and downstream location

(access permitting), since February 2013. In March 2013, Olsson prepared an Additional Site Characterization Work Plan on behalf of Williams, for submittal to the COGCC as a Form 27. In June 2013, COGCC approved the Form 27, and Olsson conducted the additional site investigation. This included collecting soil samples for laboratory analysis and installing eight groundwater monitoring wells (MW8 through MW15). The locations of monitoring wells MW8 through MW15 are depicted on the attached Figure 1.

Areas of Concern

Laboratory analysis of soil samples collected during the June 2012 site investigation reported petroleum impacted soil south and west of the compressor building, and at the former catchment basin east of the compressor building above the COGCC Series 900, Exploration and Production (E&P) Waste Management, Table 910-1 soil concentration levels. Also, following that site investigation, laboratory analyses reported petroleum constituents in groundwater samples collected from monitoring wells MW-2, MW-3, and MW-7 above COGCC Table 910-1 groundwater concentration levels. Attached Table 1 and Table 2 summarize the groundwater analytical results to date. Table 3 summarizes the field measured parameters for the site to date. Table 4 and Table 5 summarized the soil analyses performed to date.

Soil samples submitted for laboratory analysis during the June 2012 investigation were generally collected from a common interval of approximately 19 to 20 feet below ground surface (ft-bgs). The focus of this proposed investigation is to acquire analytical data from a variety of vertical intervals, to better define soil impacts within the suspected source areas. This will allow us to properly identify an appropriate remediation strategy.

Health and Safety

A site-specific Health and Safety Plan (HASP) has been developed for the project. We expect the field activities can safely be performed using Level D personal protection, consisting of flame resistant clothing (shirt and pants), hard hat, steel-toed boots, safety glasses, hearing protection, leather and/or chemical resistant gloves.

Soil Sampling

The proposed site investigation includes advancing up to 15 borings at selected locations, to groundwater or an estimated maximum depth of 20 ft-bgs. This will be accomplished using a direct-push rig equipped with a continuous Macro-Core sampler or dual-tube sampling systems. The proposed soil boring locations are depicted on the attached Figure 2 and are ultimately subject to subsurface utilities. Olsson will coordinate a hydrovac subcontractor to clear the boring locations to up 5 ft-bgs prior to direct-push sampling. Olsson proposes, at a minimum, to collect soil samples for screening and laboratory analysis from the 5 ft-bgs, 10 ft-bgs, 15 ft-bgs, and 20 ft-bgs boring intervals. The borings will be backfilled with hydrated bentonite chips upon completing sampling.

An Olsson geologist will document the site lithology, examine the soils for suspected environmental impact (i.e. staining and/or odors), and the soils will be field screened using a photo-ionization detector (PID) for the presence of volatile organic vapors as the borings are advanced. The PID measurements will be recorded on the field boring logs.

Soil Sample Analysis

At least two soil samples from each boring will be analyzed for benzene, ethylbenzene, toluene, and total xylenes (BTEX) using EPA Method 8260B. All soil samples will be analyzed for total petroleum hydrocarbons (TPH) in the gasoline (GRO), and diesel fuel (DRO) ranges using EPA Method 8015.

Investigational Derived Waste

Soil cores will be stored on plastic sheeting on-site for management and proper disposal by Williams. Direct push rods will be washed with a pressure washer and potable water which will be discharged on-site.

Summary Report Preparation

A report summarizing the sampling activities, lithologic boring log information, and laboratory analytical results will be presented to Williams, as part of the proposed remediation evaluation and work plan. The analytical results will be compared to soil concentration levels listed in the COGCC Table 910-1 concentration levels.

Investigation Schedule

For safety concerns, Olsson would prefer to begin this investigation when there is no snow cover at the site that may obscure buried utility location markings or other potential subsurface features. It is expected the soil sampling can be performed in three days on-site.

Proposed Groundwater Monitoring Changes

Figure 3 is a piezometric map depicting the site groundwater flow for February 25, 2014. As illustrated on Figure 3, estimated groundwater flow is east-northeast beneath the site with a hydraulic gradient of 0.005 feet per foot (ft. /ft.) as measured between monitoring wells MW8 and MW6.

Currently, the 15 groundwater monitoring wells and three surface water sampling locations are sampled on a monthly schedule.

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX)
- Gasoline range organics (GRO)
- Diesel range organics (DRO)
- Inorganic parameters - Total dissolved solids (TDS), sulfates, nitrate, nitrite, dissolved iron, and dissolved manganese.
- Field parameters - temperature, specific conductance, dissolved oxygen (DO), oxidation/reduction potential (ORP)
- Check the monitoring wells and surface sampling locations for phase separated hydrocarbon (PSH)

To date, monitoring wells MW1 to MW7 have been sampled 18 times, monitoring wells MW8 to MW15 have been sample nine times, and the three surface water sampling locations have been sampled 14 times. Williams seeks concurrence from XTO Energy, Inc. and the COGCC to modify the current sampling program as follows:

Proposed Monthly Sampling Plan

Included will be monitoring wells MW4, MW5, MW10, MW11, MW12, MW13.

- BTEX
- GRO
- DRO
- Field Parameters
- Check for PSH

Proposed Quarterly Sampling Plan

Included will be monitoring wells MW1 to MW13 (unless otherwise specified).

- BTEX
- GRO
- DRO
- Field parameters
- Check the monitoring wells for phase separated hydrocarbon PSH

In addition, groundwater samples will be collected from monitoring wells MW2, MW3, MW4, and MW7, MW8 quarterly for the following parameters:

- TDS
- Sulfates
- Nitrate
- Nitrite
- Dissolved iron
- Dissolved manganese

Monitoring wells MW14, MW15 and the surface water locations of Black Sulphur Creek will be sampled if groundwater impacts appear to be migrating in that direction. Potential migration of impacts would be detected during our monthly groundwater sampling of monitoring wells MW4, MW5, MW10, MW11, MW12, and MW13.

Please call me if you have any questions at (303) 237-2072.

Sincerely,

Olsson Associates, Inc.



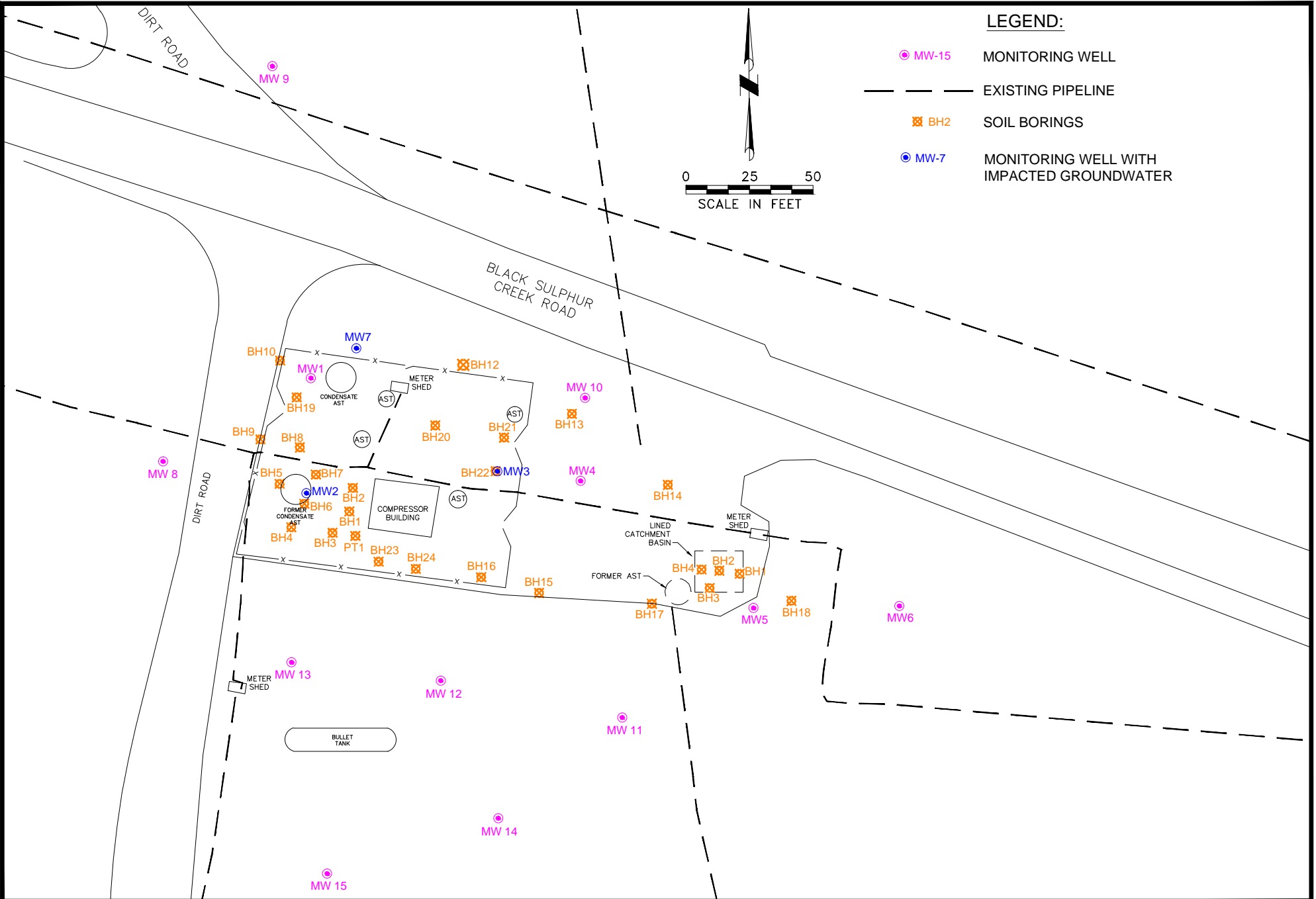
Kevin Taylor, P.G.
Senior Geologist



John Lohner
Principal Geologist

Attachment: Figure 1 - Site Map
 Figure 2 – Proposed Direct-Push Boring Locations
 Figure 3 – Pieziometric Surface Map – February 25, 2014
 Table 1 – Groundwater Analytical Summary – BTEX, DRO, and GRO
 Table 2 – Groundwater Analytical Survey – Inorganics
 Table 3 – Groundwater Field Measured Parameters
 Table 4 – Soil Analytical Summary – BTEX, GRO, DRO, and PID Field Screening Measurement
 Table 5 – Soil Analytical Summary - Metals

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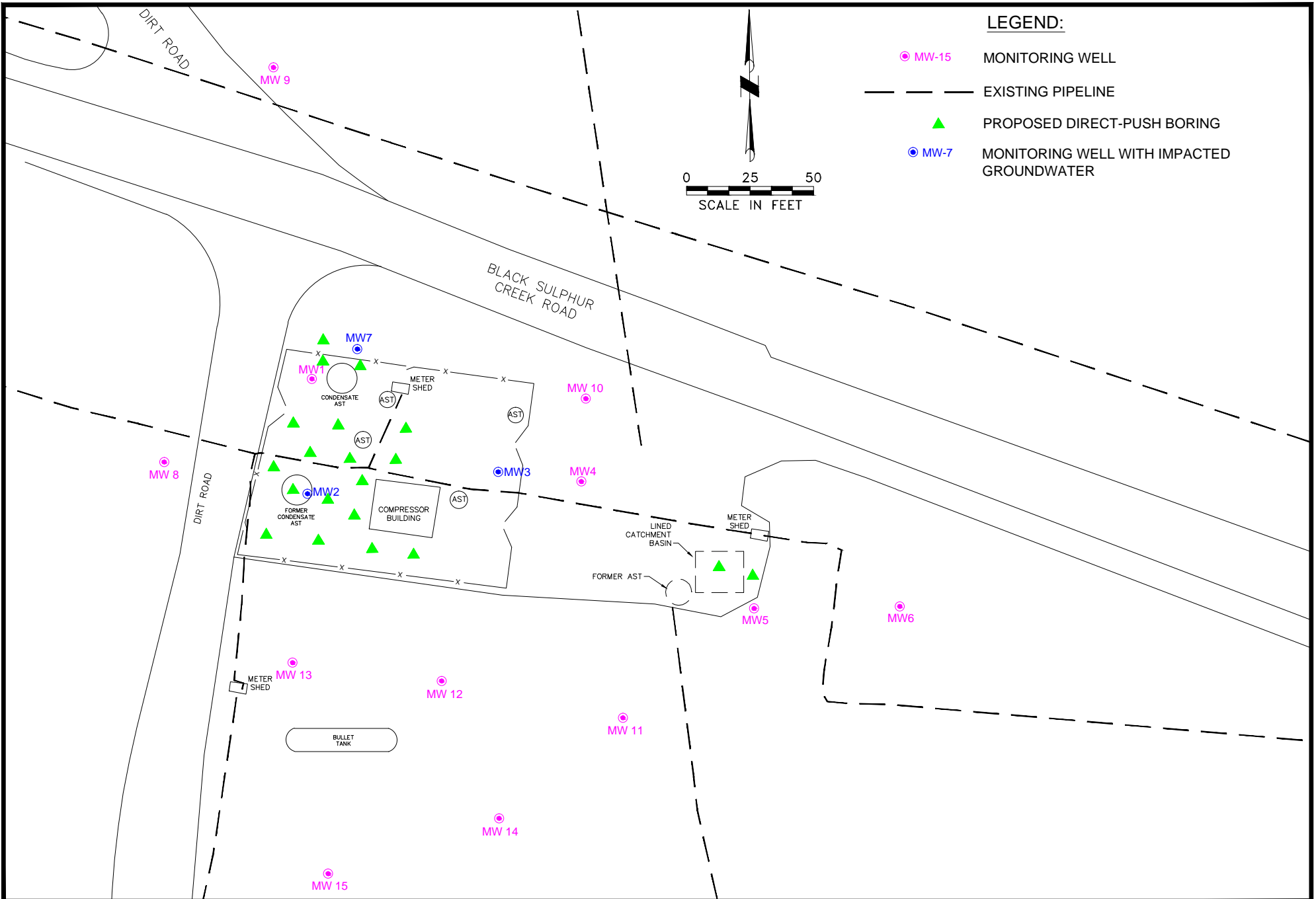
| | |
|-------------|----------|
| PROJECT NO: | 013-0231 |
| DRAWN BY: | KJT |
| DATE: | 2.14.14 |

SITE MAP
BLACK SULPHUR COMPRESSOR STATION
WILLIAMS MIDSTREAM
RIO BLANCO COUNTY, COLORADO

4690 Table Mountain Drive
Suite 200
Golden, CO 80403
TEL 303.237.2072
FAX 303.237.2659

| | |
|--------|---|
| FIGURE | 1 |
|--------|---|

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| | |
|-------------|----------|
| PROJECT NO: | 013-0231 |
| DRAWN BY: | KJT |
| DATE: | 2.14.14 |

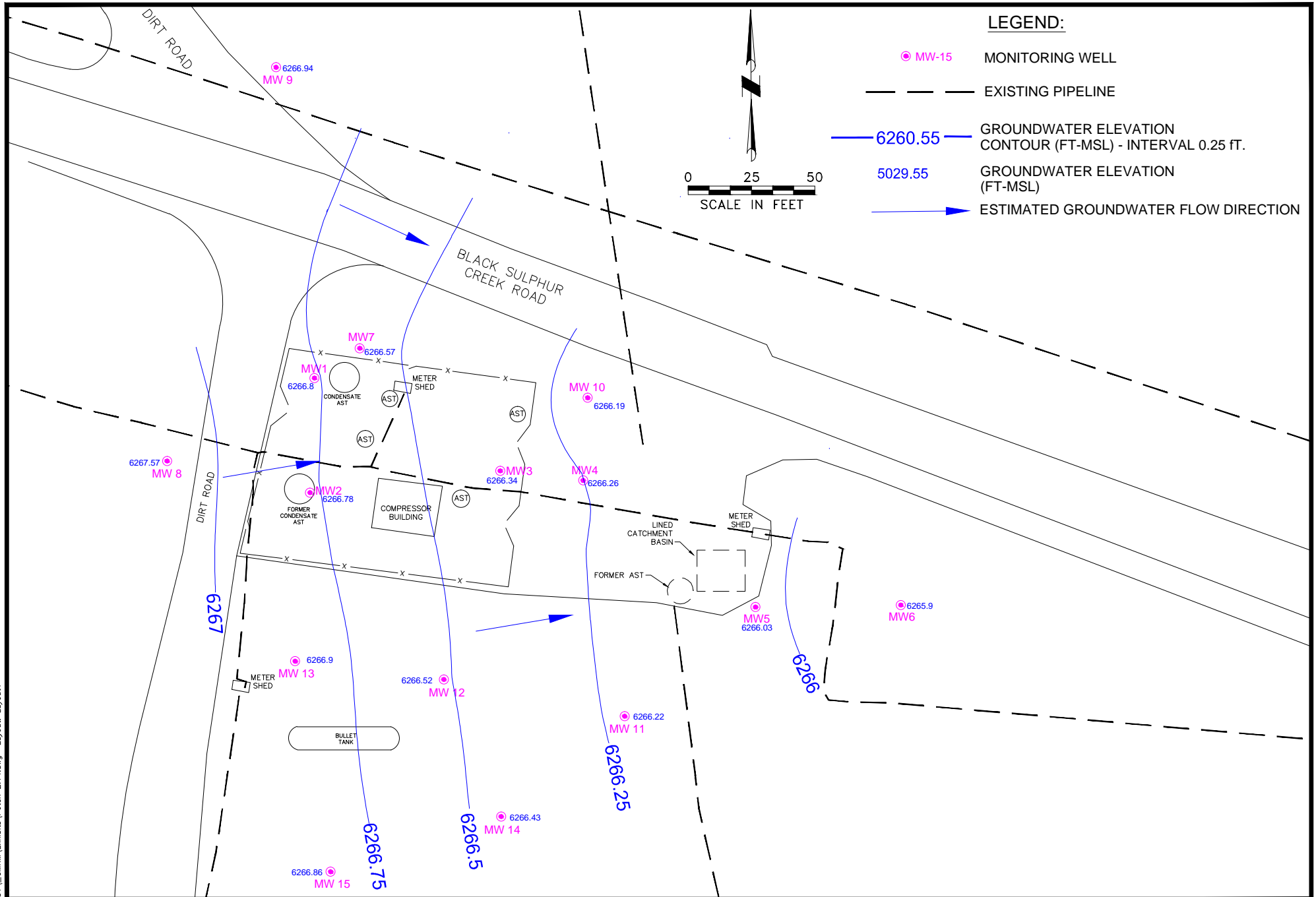
PROPOSED DIRECT-PUSH BORING LOCATIONS
 BLACK SULPHUR COMPRESSOR STATION
 WILLIAMS MIDSTREAM
 RIO BLANCO COUNTY, COLORADO



4690 Table Mountain Drive
 Suite 200
 Golden, CO 80403
 TEL 303.237.2072
 FAX 303.237.2659

FIGURE

2



PROJECT NO: 013-0231
 DRAWN BY: KJT
 DATE: 3.25.14

PIEZOMETRIC SURFACE MAP - FEBRUARY 25, 2014
 BLACK SULPHUR COMPRESSOR STATION
 WILLIAMS MIDSTREAM
 RIO BLANCO COUNTY, COLORADO



4690 Table Mountain Drive
 Suite 200
 Golden, CO 80403
 TEL 303.237.2072
 FAX 303.237.2659

FIGURE
 3

Table 1 - Groundwater Analytical Summary
 BTEX, DRO, and GRO

| Sample Location | Sampling Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | GRO (mg/L) | DRO (mg/L) |
|-----------------|--|----------------|------------------------|---------------------|--------------------------|------------------------------------|------------------------------------|
| | COGCC Table 910-1 Concentration Levels | 5 µg/L | 1000 µg/L ¹ | 700 µg/L | 10,000 µg/L ¹ | No Concentration Level Established | No Concentration Level Established |
| MW-1 | 6/15/2012 | ND | ND | 23 | 200 | NS | NS |
| MW-1 | 7/13/2012 | ND | ND | 2.8 | 63 | NS | NS |
| MW-1 | 8/14/2012 | ND | ND | 2.7 | 43 | NS | NS |
| MW-1 | 9/13/2012 | ND | ND | 2.6 | 29 | NS | NS |
| MW-1 | 1/30/2013 | ND | ND | ND | ND | ND | 1.7 |
| MW-1 | 2/28/2013 | NS | NS | NS | NS | NS | NS |
| MW-1 | 3/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-1 | 4/26/2013 | ND | ND | ND | ND | ND | ND |
| MW-1 | 5/28/2013 | ND | ND | ND | 3.4 | ND | ND |
| MW-1 | 6/20/2013 | ND | ND | ND | ND | ND | ND |
| MW-1 | 7/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-1 | 8/27/2013 | ND | ND | ND | ND | ND | ND |
| MW-1 | 9/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-1 | 10/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-1 | 11/25/2013 | ND | ND | ND | ND | ND | ND |
| MW-1 | 12/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-1 | 1/21/2014 | NT | NT | NT | NT | NT | NT |
| MW-1 | 2/25/2014 | ND | ND | ND | ND | ND | ND |
| MW-2 | 6/15/2012 | 5800 | 14000 | 860 | 7500 | NS | NS |
| MW-2 | 7/13/2012 | 5500 | 8900 | 820 | 5600 | NS | NS |
| MW-2 | 8/14/2012 | 5700 | 9200 | 880 | 6300 | NS | NS |
| MW-2 | 9/13/2012 | 4700 | 5800 | 700 | 3700 | NS | NS |
| MW-2 | 1/30/2013 | 4500 | 5400 | 590 | 3200 | 39 | ND |
| MW-2 | 2/28/2013 | 4400 | 6800 | 560 | 3600 | 44 | 1.4 |
| MW-2 | 3/29/2013 | 4800 | 6900 | 620 | 3800 | 42 | 1.0 |
| MW-2 | 4/26/2013 | 4200 | 6400 | 640 | 4100 | 39 | 1.4 |
| MW-2 | 5/28/2013 | 4600 | 7100 | 570 | 3700 | 54 | 1.6 |
| MW-2 | 6/20/2013 | 4100 | 6400 | 600 | 4300 | 52 | 1.5 |
| MW-2 | 7/30/2013 | 3000 | 1900 | 550 | 2900 | 30 | 1.3 |
| MW-2 | 8/28/2013 | 2900 | 3800 | 530 | 3000 | 32 | 2.7 |
| MW-2 | 9/17/2013 | 2200 | 3900 | 520 | 3200 | 32 | 1.3 |
| MW-2 | 10/29/2013 | 2500 | 4300 | 520 | 3400 | 37 | 0.46 |
| MW-2 | 11/26/2013 | 5000 | 9700 | 780 | 5900 | 60 | 2.10 |
| MW-2 | 12/18/2013 | 3700 | 4600 | 590 | 3900 | 30 | 2.3 |
| MW-2 | 1/21/2014 | NT | NT | NT | NT | NT | NT |
| MW-2 | 2/25/2014 | 2400 | 4600 | 810 | 5000 | 39 | 3.2 |
| MW-3 | 6/15/2012 | 1300 | 780 | 260 | 1500 | NS | NS |
| MW-3 | 7/13/2012 | 1900 | 1200 | 390 | 2700 | NS | NS |
| MW-3 | 8/14/2012 | 2300 | 1500 | 480 | 2900 | NS | NS |
| MW-3 | 9/13/2012 | 1700 | 1200 | 410 | 2600 | NS | NS |
| MW-3 | 1/30/2013 | 2000 | 1400 | 410 | 2200 | 19 | 1.5 |
| MW-3 | 2/28/2013 | NS | NS | NS | NS | NS | NS |
| MW-3 | 3/29/2013 | 1300 | 1100 | 250 | 1500 | 19 | 1.3 |
| MW-3 | 4/26/2013 | 1600 | 1700 | 280 | 1600 | 15 | 1.5 |
| MW-3 | 5/28/2013 | 2600 | 2100 | 520 | 2900 | 26 | 1.6 |
| MW-3 | 6/20/2013 | 2100 | 2300 | 410 | 2400 | 23 | 1.2 |
| MW-3 | 7/30/2013 | 2000 | 2600 | 330 | 2200 | 24 | 0.94 |
| MW-3 | 8/28/2013 | 2300 | 2900 | 380 | 2700 | 24 | 2.70 |
| MW-3 | 9/17/2013 | 1900 | 2400 | 270 | 1800 | 19 | 1.40 |
| MW-3 | 10/29/2013 | 2500 | 3200 | 360 | 2600 | 28 | 0.59 |
| MW-3 | 11/26/2013 | 3000 | 3000 | 540 | 3500 | 29 | 1.70 |
| MW-3 | 12/18/2013 | 2700 | 2600 | 440 | 2900 | 30 | 1.6 |
| MW-3 | 1/21/2014 | 2000 | 2800 | 350 | 2300 | 24 | 1.8 |
| MW-3 | 2/25/2014 | 2400 | 3100 | 370 | 2500 | 21 | 1.2 |

Table 1 - Groundwater Analytical Summary
 BTEX, DRO, and GRO

| Sample Location | Sampling Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | GRO (mg/L) | DRO (mg/L) |
|-----------------|--|----------------|------------------------|---------------------|--------------------------|------------------------------------|------------------------------------|
| | COGCC Table 910-1 Concentration Levels | 5 µg/L | 1000 µg/L ¹ | 700 µg/L | 10,000 µg/L ¹ | No Concentration Level Established | No Concentration Level Established |
| MW-4 | 6/15/2012 | 1.5 | ND | ND | ND | NS | NS |
| MW-4 | 7/13/2012 | 2.4 | ND | ND | ND | NS | NS |
| MW-4 | 8/14/2012 | 2.2 | ND | ND | ND | NS | NS |
| MW-4 | 9/13/2012 | 3.8 | ND | ND | ND | NS | NS |
| MW-4 | 1/30/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 2/28/2013 | NS | NS | NS | NS | NS | NS |
| MW-4 | 3/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 4/26/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 5/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 6/20/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 7/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 8/27/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 9/16/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 10/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 11/25/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 12/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-4 | 1/20/2014 | ND | ND | ND | ND | ND | ND |
| MW-4 | 2/24/2014 | ND | ND | ND | ND | ND | ND |
| MW-5 | 6/15/2012 | ND | ND | ND | ND | NS | NS |
| MW-5 | 7/13/2012 | ND | ND | ND | ND | NS | NS |
| MW-5 | 8/14/2012 | ND | ND | ND | ND | NS | NS |
| MW-5 | 9/13/2012 | ND | ND | ND | ND | NS | NS |
| MW-5 | 1/30/2013 | 0.33 J | ND | 0.47 J | ND | ND | ND |
| MW-5 | 2/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 3/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 4/26/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 5/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 6/20/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 7/29/2013 | ND | ND | ND | ND | ND | 0.66 |
| MW-5 | 8/27/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 9/16/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 10/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 11/25/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 12/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-5 | 1/20/2014 | ND | ND | ND | ND | ND | ND |
| MW-5 | 2/24/2014 | ND | ND | ND | ND | ND | ND |
| MW-6 | 6/15/2012 | ND | ND | ND | ND | NS | NS |
| MW-6 | 7/13/2012 | ND | ND | ND | ND | NS | NS |
| MW-6 | 8/14/2012 | ND | ND | ND | ND | NS | NS |
| MW-6 | 9/13/2012 | ND | ND | ND | ND | NS | NS |
| MW-6 | 1/30/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 2/28/2013 | ND | ND | ND | ND | ND | 0.59 |
| MW-6 | 3/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 4/26/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 5/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 6/20/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 7/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 8/27/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 9/16/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 10/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 11/25/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 12/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-6 | 1/20/2014 | ND | ND | ND | ND | ND | ND |
| MW-6 | 2/24/2014 | ND | ND | ND | ND | ND | ND |

Table 1 - Groundwater Analytical Summary
 BTEX, DRO, and GRO

| Sample Location | Sampling Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | GRO (mg/L) | DRO (mg/L) |
|-----------------|--|----------------|------------------------|---------------------|--------------------------|------------------------------------|------------------------------------|
| | COGCC Table 910-1 Concentration Levels | 5 µg/L | 1000 µg/L ¹ | 700 µg/L | 10,000 µg/L ¹ | No Concentration Level Established | No Concentration Level Established |
| MW-7 | 6/15/2012 | 9100 | 37000 | 3300 | 35000 | NS | NS |
| MW-7 | 7/13/2012 | 13000 | 36000 | 1400 | 15000 | NS | NS |
| MW-7 | 8/14/2012 | 10000 | 28000 | 1700 | 16000 | NS | NS |
| MW-7 | 9/13/2012 | 9400 | 25000 | 1400 | 14000 | NS | NS |
| MW-7 | 1/30/2013 | 4500 | 11000 | 840 | 7200 | 56 | 2.7 |
| MW-7 | 2/28/2013 | NS | NS | NS | NS | NS | NS |
| MW-7 | 3/29/2013 | 1400 | 3800 | 490 | 4300 | 25 | 1.7 |
| MW-7 | 4/26/2013 | 2000 | 4600 | 430 | 3600 | 22 | 1.0 |
| MW-7 | 5/28/2013 | 5300 | 8900 | 670 | 5800 | 57 | 1.9 |
| MW-7 | 6/20/2013 | 4900 | 8500 | 790 | 6500 | ND | ND |
| MW-7 | 7/30/2013 | 4000 | 6800 | 710 | 5600 | 45 | 1.4 |
| MW-7 | 8/28/2013 | 3700 | 6700 | 600 | 4700 | 41 | 2.3 |
| MW-7 | 9/17/2013 | 2800 | 5800 | 520 | 4000 | 35 | 2.0 |
| MW-7 | 10/29/2013 | 3200 | 6200 | 550 | 4800 | 48 | 0.60 |
| MW-7 | 11/26/2013 | 5200 | 10000 | 800 | 7000 | 67 | 2.50 |
| MW-7 | 12/18/2013 | 5700 | 6500 | 810 | 6500 | 56 | 2.2 |
| MW-7 | 1/21/2014 | 11000 | 18000 | 2200 | 17000 | 57 | 1.5 |
| MW-7 | 2/25/2014 | 2200 | 4200 | 500 | 3800 | 30 | 1.4 |
| | | | | | | | |
| MW-8 | 7/10/2013 | ND | ND | ND | ND | ND | ND |
| MW-8 | 7/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-8 | 8/27/2013 | ND | ND | ND | ND | ND | ND |
| MW-8 | 9/16/2013 | ND | ND | ND | ND | ND | ND |
| MW-8 | 10/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-8 | 11/26/2013 | ND | ND | ND | ND | ND | ND |
| MW-8 | 12/18/2013 | ND | ND | ND | ND | ND | ND |
| MW-8 | 1/21/2014 | NT | NT | NT | NT | NT | NT |
| MW-8 | 2/24/2014 | ND | ND | ND | ND | ND | ND |
| | | | | | | | |
| MW-9 | 7/10/2013 | ND | ND | ND | ND | ND | ND |
| MW-9 | 7/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-9 | 8/27/2013 | ND | ND | ND | ND | ND | ND |
| MW-9 | 9/16/2013 | ND | ND | ND | ND | ND | ND |
| MW-9 | 10/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-9 | 11/25/2013 | ND | ND | ND | ND | ND | ND |
| MW-9 | 12/18/2013 | ND | ND | ND | ND | ND | ND |
| MW-9 | 1/21/2014 | ND | ND | ND | ND | ND | ND |
| MW-9 | 2/24/2014 | ND | ND | ND | ND | ND | ND |
| | | | | | | | |
| MW-10 | 7/10/2013 | ND | ND | ND | ND | ND | ND |
| MW-10 | 7/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-10 | 8/27/2013 | 1.4 | ND | ND | ND | ND | ND |
| MW-10 | 9/16/2013 | ND | ND | ND | ND | ND | ND |
| MW-10 | 10/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-10 | 11/25/2013 | ND | ND | ND | ND | ND | ND |
| MW-10 | 12/18/2013 | NT | NT | NT | NT | NT | NT |
| MW-10 | 1/21/2014 | NT | NT | NT | NT | NT | NT |
| MW-10 | 2/24/2014 | ND | ND | ND | ND | ND | ND |
| | | | | | | | |
| MW-11 | 7/10/2013 | ND | ND | ND | ND | ND | ND |
| MW-11 | 7/30/2013 | ND | ND | ND | ND | ND | ND |
| MW-11 | 8/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-11 | 9/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-11 | 10/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-11 | 11/26/2013 | ND | ND | ND | ND | ND | ND |
| MW-11 | 12/18/2013 | ND | ND | ND | ND | ND | ND |
| MW-11 | 1/21/2014 | NT | NT | NT | NT | NT | NT |
| MW-11 | 2/25/2014 | ND | ND | ND | ND | ND | ND |

Table 1 - Groundwater Analytical Summary
 BTEX, DRO, and GRO

| Sample Location | Sampling Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | GRO (mg/L) | DRO (mg/L) |
|---------------------------|--|----------------|------------------------|---------------------|--------------------------|------------------------------------|------------------------------------|
| | COGCC Table 910-1 Concentration Levels | 5 µg/L | 1000 µg/L ¹ | 700 µg/L | 10,000 µg/L ¹ | No Concentration Level Established | No Concentration Level Established |
| MW-12 | 7/10/2013 | ND | ND | ND | ND | 0.25 | ND |
| MW-12 | 7/30/2013 | ND | ND | ND | ND | ND | 0.9 |
| MW-12 | 8/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-12 | 9/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-12 | 10/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-12 | 11/26/2013 | ND | ND | ND | ND | ND | ND |
| MW-12 | 12/18/2013 | ND | ND | ND | ND | ND | ND |
| MW-12 | 1/21/2014 | ND | ND | ND | ND | ND | ND |
| MW-12 | 2/25/2014 | ND | ND | ND | ND | ND | ND |
| | | | | | | | |
| MW-13 | 7/10/2013 | ND | ND | ND | ND | ND | ND |
| MW-13 | 7/30/2013 | ND | ND | ND | ND | ND | ND |
| MW-13 | 8/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-13 | 9/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-13 | 10/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-13 | 11/26/2013 | ND | ND | ND | ND | ND | ND |
| MW-13 | 12/17/2013 | ND | ND | ND | ND | ND | 1.5 |
| MW-13 | 1/20/2014 | ND | ND | ND | ND | ND | ND |
| MW-13 | 2/25/2014 | ND | ND | ND | ND | ND | ND |
| | | | | | | | |
| MW-14 | 7/10/2013 | ND | ND | ND | ND | ND | ND |
| MW-14 | 7/30/2013 | ND | ND | ND | ND | ND | ND |
| MW-14 | 8/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-14 | 9/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-14 | 10/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-14 | 11/26/2013 | ND | ND | ND | ND | ND | ND |
| MW-14 | 12/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-14 | 1/21/2014 | ND | ND | ND | ND | ND | ND |
| MW-14 | 2/25/2014 | ND | ND | ND | ND | ND | ND |
| | | | | | | | |
| MW-15 | 7/10/2013 | ND | ND | ND | ND | ND | ND |
| MW-15 | 7/30/2013 | ND | ND | ND | ND | ND | ND |
| MW-15 | 8/28/2013 | ND | ND | ND | ND | ND | ND |
| MW-15 | 9/17/2013 | ND | ND | ND | ND | ND | ND |
| MW-15 | 10/29/2013 | ND | ND | ND | ND | ND | ND |
| MW-15 | 11/25/2013 | NS | NS | NS | NS | NS | NS |
| MW-15 | 12/18/2013 | ND | ND | ND | ND | ND | ND |
| MW-15 | 1/20/2014 | ND | ND | ND | ND | ND | ND |
| MW-15 | 2/25/2014 | ND | ND | ND | ND | ND | ND |
| | | | | | | | |
| Black Sulfur Crk. UG | 6/4/2012 | ND | ND | ND | ND | NS | NS |
| Black Sulfur Crk. UPCREEK | 2/28/2013 | ND | ND | ND | ND | ND | ND |
| Black Sulfur Crk. UPCREEK | 3/29/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 4/26/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 5/28/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 6/20/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 7/29/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 8/27/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 9/16/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 10/28/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 11/25/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 12/17/2013 | ND | ND | ND | ND | ND | ND |
| UPCREEK | 1/20/2014 | ND | ND | ND | ND | 0.330 | ND |
| UPCREEK | 2/24/2014 | ND | ND | ND | ND | ND | ND |

Table 1 - Groundwater Analytical Summary
BTEX, DRO, and GRO

| Sample Location | Sampling Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) | GRO (mg/L) | DRO (mg/L) |
|-------------------------------|--|----------------|------------------------|---------------------|--------------------------|------------------------------------|------------------------------------|
| | COGCC Table 910-1 Concentration Levels | 5 µg/L | 1000 µg/L ¹ | 700 µg/L | 10,000 µg/L ¹ | No Concentration Level Established | No Concentration Level Established |
| Black Sulfur Crk. DG | 6/4/2012 | ND | 2.3 | ND | ND | NS | NS |
| Black Sulfur Crk. DWCREEK | 2/28/2013 | ND | ND | ND | ND | ND | ND |
| Black Sulfur Crk. DWCREEK | 3/29/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 4/26/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 5/28/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 6/20/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 7/29/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 8/27/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 9/16/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 10/28/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 11/25/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 12/17/2013 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 1/20/2014 | ND | ND | ND | ND | ND | ND |
| DWCREEK | 2/24/2014 | ND | ND | ND | ND | ND | ND |
| | | | | | | | |
| Black Sulfur Crk. SP1 | 6/4/2012 | ND | ND | ND | ND | NS | NS |
| Black Sulfur Crk. MIDDLECREEK | 2/28/2013 | ND | ND | ND | ND | ND | ND |
| Black Sulfur Crk. MIDDLECREEK | 3/29/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 4/26/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 5/28/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 6/20/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 7/29/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 8/27/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 9/16/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 10/28/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 11/25/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 12/17/2013 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 1/20/2014 | ND | ND | ND | ND | ND | ND |
| MIDCREEK | 2/24/2014 | ND | ND | ND | ND | ND | ND |

NS = Not sampled

ND = Non detected at or above laboratory reporting limit

µg/L - Micrograms per Liter

mg/L - Milligrams per Liter

J= Analyte reported below laboratory report limit

Above COGCC Table 910-1 Concentration Level

¹ - Drinking water maximum contaminant level (MCL)

Table 2 - Groundwater Analytical Summary
Inorganics

| Sample Location | Sampling Date | TDS (mg/L) | Chlorides (mg/L) | Sulfates (mg/L) | Nitrate (mg/L) | Nitrite (mg/L) | Dissolved Iron (mg/L) | Dissolved Manganese (mg/L) |
|-----------------|--|--------------------|--------------------|--------------------|--|----------------|-----------------------|----------------------------|
| | COGCC Table 910-1 Concentration Levels | <1.25 X Background | <1.25 X Background | <1.25 X Background | No COGCC Concentration Level Established | | | |
| MW-1 | 6/15/2012 | 1700 | 30 | 520 | NS | NS | NS | NS |
| MW-1 | 7/13/2012 | 1300 | 21 | 550 | NS | NS | NS | NS |
| MW-1 | 8/14/2012 | 1200 | 19 | 500 | NS | NS | NS | NS |
| MW-1 | 9/13/2012 | 1400 | 23 | 520 | NS | NS | NS | NS |
| MW-1 | 1/30/2013 | 1100 | NS | 480 | 1.6 | 0.0049 J | 0.032 J | 0.13 |
| MW-1 | 2/28/2013 | NS | NS | NS | NS | NS | NS | NS |
| MW-1 | 3/29/2013 | 1100 | NS | 510 | 1.6 | ND | ND | 0.063 |
| MW-1 | 4/26/2013 | 1200 | NS | 480 | 1.6 | ND | ND | 0.067 |
| MW-1 | 5/28/2013 | 1200 | NS | 520 | 1.9 | 0.0260 | ND | 0.130 |
| MW-1 | 6/20/2013 | 1200 | NS | 490 | 1.8 | ND | ND | 0.120 |
| MW-1 | 7/29/2013 | 1100 | NS | 500 | 1.9 | ND | 0.310 | 0.089 |
| MW-1 | 8/27/2013 | 1200 | NS | 490 | 2.0 | ND | 0.110 | 0.082 |
| MW-1 | 9/17/2013 | 1100 | NS | 450 | 1.8 | ND | 0.093 | 0.073 |
| MW-1 | 10/29/2013 | 1200 | NS | 450 | 1.6 | ND | ND | 0.075 |
| MW-1 | 11/25/2013 | 970 | NS | 450 | 1.6 | ND | 0.120 | 0.100 |
| MW-1 | 12/17/2013 | 1100 | NS | 490 | 1.5 | ND | ND | 0.092 |
| MW-1 | 1/20/2014 | NT | NT | NT | NT | NT | NT | NT |
| MW-1 | 2/25/2014 | 1000 | NS | 440 | 1.6 | ND | ND | 0.16 |
| | | | | | | | | |
| MW-2 | 6/15/2012 | 2800 | 100 | 570 | NS | NS | NS | NS |
| MW-2 | 7/13/2012 | 2700 | 97 | 460 | NS | NS | NS | NS |
| MW-2 | 8/14/2012 | 2900 | 85 | 320 | NS | NS | NS | NS |
| MW-2 | 9/13/2012 | 2700 | 91 | 280 | NS | NS | NS | NS |
| MW-2 | 1/30/2013 | 2700 | NS | 290 | ND | 0.0062 J | 0.068 J | 0.25 |
| MW-2 | 2/28/2013 | 2800 | NS | 320 | 0.048 | ND | ND | 0.26 |
| MW-2 | 3/29/2013 | 3100 | NS | 240 | ND | ND | 0.110 | 0.27 |
| MW-2 | 4/26/2013 | 2800 | NS | 320 | 0.075 | ND | 0.120 | 0.26 |
| MW-2 | 5/28/2013 | 3000 | NS | 260 | 0.150 | ND | 0.086 | 0.33 |
| MW-2 | 6/20/2013 | 2800 | NS | 230 | 0.038 | ND | 0.140 | 0.26 |
| MW-2 | 7/30/2013 | 2400 | NS | 220 | 0.039 | ND | ND | 0.20 |
| MW-2 | 8/28/2013 | 1900 | NS | 300 | 0.048 | ND | 0.140 | 0.19 |
| MW-2 | 9/17/2013 | 1700 | NS | 350 | 0.038 | ND | 0.280 | 0.18 |
| MW-2 | 10/29/2013 | 1800 | NS | 320 | 0.10 | ND | 0.088 | 0.21 |
| MW-2 | 11/26/2013 | 2300 | NS | 200 | 0.07 | ND | ND | 0.36 |
| MW-2 | 12/18/2013 | 2200 | NS | 240 | ND | 0.020 | 0.20 | 0.19 |
| MW-2 | 1/21/2014 | NT | NT | NT | NT | NT | NT | NT |
| MW-2 | 2/25/2014 | 1400 | NS | 420 | 0.28 | ND | 10 | 0.098 |
| | | | | | | | | |
| MW-3 | 6/15/2012 | 1500 | 47 | 89 | NS | NS | NS | NS |
| MW-3 | 7/13/2012 | 1700 | 41 | 190 | NS | NS | NS | NS |
| MW-3 | 8/14/2012 | 1900 | 41 | 220 | NS | NS | NS | NS |
| MW-3 | 9/13/2012 | 1500 | 44 | 150 | NS | NS | NS | NS |
| MW-3 | 1/30/2013 | 1700 | NS | 120 | ND | 0.0072 J | 0.036 J | 0.21 |
| MW-3 | 2/28/2013 | NS | NS | NS | NS | NS | NS | NS |
| MW-3 | 3/29/2013 | 1600 | NS | 120 | 0.072 | ND | ND | 0.20 |
| MW-3 | 4/26/2013 | 1600 | NS | 95 | 0.086 | ND | ND | 0.24 |
| MW-3 | 5/28/2013 | 2100 | NS | 270 | 0.120 | ND | ND | 0.16 |
| MW-3 | 6/20/2013 | 1800 | NS | 160 | ND | ND | 0.110 | 0.13 |
| MW-3 | 7/30/2013 | 1600 | NS | 23 | ND | ND | 0.120 | 0.11 |
| MW-3 | 8/28/2013 | 1500 | NS | 26 | ND | ND | 0.091 | 0.12 |
| MW-3 | 9/17/2013 | 1400 | NS | 32 | ND | ND | 0.130 | 0.10 |
| MW-3 | 10/29/2013 | 1600 | NS | 50 | 0.083 | ND | 0.087 | 0.098 |
| MW-3 | 11/26/2013 | 1900 | NS | 130 | 0.053 | ND | ND | 0.088 |
| MW-3 | 12/18/2013 | 1800 | NS | 170 | 0.042 | ND | 0.13 | 0.080 |
| MW-3 | 1/21/2014 | 1500 | NS | 38 | 0.26 | ND | 0.09 | 0.083 |
| MW-3 | 2/25/2014 | 1400 | NS | 28 | 0.24 | ND | 0.12 | 0.087 |

Table 2 - Groundwater Analytical Summary
Inorganics

| Sample Location | Sampling Date | TDS (mg/L) | Chlorides (mg/L) | Sulfates (mg/L) | Nitrate (mg/L) | Nitrite (mg/L) | Dissolved Iron (mg/L) | Dissolved Manganese (mg/L) |
|-----------------|--|--------------------|--------------------|--------------------|--|----------------|-----------------------|----------------------------|
| | COGCC Table 910-1 Concentration Levels | <1.25 X Background | <1.25 X Background | <1.25 X Background | No COGCC Concentration Level Established | | | |
| MW-4 | 9/13/2012 | 1600 | 25 | 590 | NS | NS | NS | NS |
| MW-4 | 1/30/2013 | 1400 | NS | 610 | 3.2 | 0.0095 J | 0.036 J | 0.0010 J |
| MW-4 | 2/28/2013 | NS | NS | NS | NS | NS | NS | NS |
| MW-4 | 3/29/2013 | 1200 | NS | 520 | 2.1 | ND | ND | ND |
| MW-4 | 4/26/2013 | 1200 | NS | 500 | 1.6 | ND | 0.080 | 0.0066 |
| MW-4 | 5/28/2013 | 1300 | NS | 510 | 1.9 | ND | 1.400 | 0.1200 |
| MW-4 | 6/20/2013 | 1200 | NS | 490 | 1.9 | ND | 0.083 | 0.0140 |
| MW-4 | 7/29/2013 | 1200 | NS | 490 | 1.2 | ND | 0.180 | 0.0280 |
| MW-4 | 8/27/2013 | 1300 | NS | 490 | 0.9 | ND | 0.098 | 0.3900 |
| MW-4 | 9/16/2013 | 1100 | NS | 440 | 0.6 | ND | ND | 0.0590 |
| MW-4 | 10/28/2013 | 1200 | NS | 480 | 1.1 | ND | ND | 0.037 |
| MW-4 | 11/25/2013 | 1200 | NS | 500 | 1.4 | ND | ND | 0.032 |
| MW-4 | 12/17/2013 | 1200 | NS | 510 | 0.96 | ND | ND | ND |
| MW-4 | 1/20/2014 | 1100 | NS | 450 | 1.10 | ND | ND | 0.0310 |
| MW-4 | 2/24/2014 | 940 | NS | 480 | 0.87 | ND | ND | 0.033 |
| | | | | | | | | |
| MW-5 | 6/15/2012 | 1400 | 51 | 570 | NS | NS | NS | NS |
| MW-5 | 7/13/2012 | 1500 | 52 | 1600 | NS | NS | NS | NS |
| MW-5 | 8/14/2012 | 1400 | 26 | 610 | NS | NS | NS | NS |
| MW-5 | 9/13/2012 | 1600 | 35 | 690 | NS | NS | NS | NS |
| MW-5 | 1/30/2013 | 1700 | NS | 790 | ND | 0.0062 J | 0.024 J | 0.03 J |
| MW-5 | 2/28/2013 | 1600 | NS | 740 | ND | ND | ND | 0.30 |
| MW-5 | 3/29/2013 | 1300 | NS | 670 | ND | ND | ND | 0.33 |
| MW-5 | 4/26/2013 | 1500 | NS | 690 | 0.063 | ND | ND | 0.28 |
| MW-5 | 5/28/2013 | 1500 | NS | 680 | 0.160 | ND | ND | 0.30 |
| MW-5 | 6/20/2013 | 1500 | NS | 710 | 0.052 | ND | 0.094 | 0.30 |
| MW-5 | 7/29/2013 | 1600 | NS | 750 | 0.081 | 0.03 | ND | 0.34 |
| MW-5 | 8/27/2013 | 1700 | NS | 810 | 0.110 | ND | 0.110 | 0.04 |
| MW-5 | 9/16/2013 | 1600 | NS | 730 | 0.130 | ND | 0.082 | 0.34 |
| MW-5 | 10/28/2013 | 1800 | NS | 860 | 0.11 | ND | ND | 0.30 |
| MW-5 | 11/25/2013 | 1600 | NS | 710 | 0.05 | ND | ND | 0.26 |
| MW-5 | 12/17/2013 | 1600 | NS | 750 | 0.19 | 0.028 | 0.15 | 0.25 |
| MW-5 | 1/20/2014 | 1500 | NS | 690 | 0.29 | 0.033 | ND | 0.30 |
| MW-5 | 2/24/2014 | 1600 | NS | 800 | 0.55 | 0.039 | ND | 0.30 |
| | | | | | | | | |
| MW-6 | 6/15/2012 | 3100 | 73 | 1500 | NS | NS | NS | NS |
| MW-6 | 7/13/2012 | 3100 | 34 | 720 | NS | NS | NS | NS |
| MW-6 | 8/14/2012 | 3200 | 52 | 1400 | NS | NS | NS | NS |
| MW-6 | 9/13/2012 | 2900 | 54 | 1400 | NS | NS | NS | NS |
| MW-6 | 1/30/2013 | 2700 | NS | 1300 | 3.0 | 0.022 | 0.027 J | 0.0012 J |
| MW-6 | 2/28/2013 | 2400 | NS | 1100 | 3.2 | 0.180 | ND | 0.056 |
| MW-6 | 3/29/2013 | 2300 | NS | 1200 | 1.5 | 0.150 | ND | 0.037 |
| MW-6 | 4/26/2013 | 2600 | NS | 1200 | 2.5 | ND | ND | 0.056 |
| MW-6 | 5/28/2013 | 2500 | NS | 1100 | 2.3 | 0.021 | 0.150 | 0.032 |
| MW-6 | 6/20/2013 | 2500 | NS | 1100 | 2.1 | 0.020 | 0.110 | 0.022 |
| MW-6 | 7/29/2013 | 2400 | NS | 1100 | 2.0 | 0.021 | ND | 0.017 |
| MW-6 | 8/27/2013 | 2400 | NS | 1100 | 2.1 | ND | ND | 0.013 |
| MW-6 | 9/16/2013 | 2400 | NS | 940 | 2.0 | ND | ND | 0.015 |
| MW-6 | 10/28/2013 | 2300 | NS | 1000 | 1.8 | ND | ND | 0.0084 |
| MW-6 | 11/25/2013 | 2300 | NS | 1000 | 1.9 | ND | ND | ND |
| MW-6 | 12/17/2013 | 2500 | NS | 1100 | 1.8 | ND | ND | 0.0055 |
| MW-6 | 1/20/2014 | 2300 | NS | 1100 | 1.6 | ND | ND | 0.019 |
| MW-6 | 2/24/2014 | 2100 | NS | 1000 | 1.5 | ND | ND | 0.029 |

Table 2 - Groundwater Analytical Summary
Inorganics

| Sample Location | Sampling Date | TDS (mg/L) | Chlorides (mg/L) | Sulfates (mg/L) | Nitrate (mg/L) | Nitrite (mg/L) | Dissolved Iron (mg/L) | Dissolved Manganese (mg/L) |
|-----------------|--|--------------------|--------------------|--------------------|--|----------------|-----------------------|----------------------------|
| | COGCC Table 910-1 Concentration Levels | <1.25 X Background | <1.25 X Background | <1.25 X Background | No COGCC Concentration Level Established | | | |
| MW-7 | 6/15/2012 | 1500 | 51 | 300 | NS | NS | NS | NS |
| MW-7 | 7/13/2012 | 2000 | 59 | 79 | NS | NS | NS | NS |
| MW-7 | 8/14/2012 | 2000 | 54 | 78 | NS | NS | NS | NS |
| MW-7 | 9/13/2012 | 2300 | 59 | 49 | NS | NS | NS | NS |
| MW-7 | 1/30/2013 | 1800 | NS | 340 | ND | ND | 0.57 | 0.19 |
| MW-7 | 2/28/2013 | NS | NS | NS | NS | NS | NS | NS |
| MW-7 | 3/29/2013 | 1000 | NS | 280 | ND | ND | 0.21 | 0.29 |
| MW-7 | 4/26/2013 | 1600 | NS | 520 | 0.087 | ND | 0.09 | 0.31 |
| MW-7 | 5/28/2013 | 1800 | NS | 220 | 0.097 | ND | 0.10 | 0.18 |
| MW-7 | 6/20/2013 | 1900 | NS | 210 | ND | ND | 0.18 | 0.12 |
| MW-7 | 7/30/2013 | 1900 | NS | 290 | 0.047 | ND | ND | 0.14 |
| MW-7 | 8/28/2013 | 1700 | NS | 300 | 0.180 | ND | ND | 0.18 |
| MW-7 | 9/17/2013 | 1500 | NS | 340 | 0.140 | ND | 0.14 | 0.18 |
| MW-7 | 10/29/2013 | 1600 | NS | 340 | ND | ND | ND | 0.15 |
| MW-7 | 11/26/2013 | 1900 | NS | 240 | ND | ND | ND | 0.13 |
| MW7 | 12/18/2013 | 2000 | NS | 230 | ND | ND | 0.19 | 0.11 |
| MW-7 | 1/21/2014 | 2000 | NS | 290 | ND | ND | 0.18 | 0.10 |
| MW-7 | 2/25/2014 | 1400 | NS | 330 | 0.36 | ND | 0.095 | 0.19 |
| | | | | | | | | |
| MW-8 | 7/10/2013 | 1800 | NS | NS | 3.80 | 0.034 | ND | 0.0054 |
| MW-8 | 7/29/2013 | 1800 | NS | 940 | 4.60 | ND | ND | ND |
| MW-8 | 8/27/2013 | 1800 | NS | 950 | 3.20 | ND | 0.11 | ND |
| MW-8 | 9/16/2013 | 1500 | NS | 720 | 3.40 | ND | 0.09 | ND |
| MW-8 | 10/28/2013 | 1400 | NS | 690 | 3.2 | ND | ND | 0.0059 |
| MW-8 | 11/26/2013 | 1400 | NS | 700 | 3.4 | ND | ND | ND |
| MW-8 | 12/18/2013 | 1400 | NS | 670 | 3.1 | ND | ND | ND |
| MW-8 | 1/21/2014 | NT | NT | NT | NT | NT | NT | NT |
| MW-8 | 2/24/2014 | 810 | NS | 840 | 3.9 | ND | ND | ND |
| | | | | | | | | |
| MW-9 | 7/10/2013 | 1200 | NS | NS | 1.70 | ND | ND | ND |
| MW-9 | 7/29/2013 | 1200 | NS | 540 | 1.60 | ND | 0.22 | 0.0065 |
| MW-9 | 8/27/2013 | 1200 | NS | 530 | 1.70 | ND | 0.12 | ND |
| MW-9 | 9/16/2013 | 1100 | NS | 500 | 1.40 | ND | 0.09 | 0.0110 |
| MW-9 | 10/28/2013 | 1100 | NS | 560 | 1.6 | ND | ND | 0.018 |
| MW-9 | 11/25/2013 | 1200 | NS | 570 | 1.8 | ND | 0.09 | 0.051 |
| MW-9 | 12/18/2013 | 1100 | NS | 550 | 1.5 | ND | ND | 0.030 |
| MW-9 | 1/21/2014 | 1200 | NS | 510 | 1.4 | ND | 0.12 | 0.055 |
| MW-9 | 2/24/2014 | 1100 | NS | 500 | 1.4 | ND | ND | 0.047 |
| | | | | | | | | |
| MW-10 | 7/10/2013 | 1800 | NS | NS | 2.70 | 0.054 | ND | 0.0430 |
| MW-10 | 7/29/2013 | 1800 | NS | 610 | 1.90 | ND | ND | 0.0400 |
| MW-10 | 8/27/2013 | 1800 | NS | 530 | 0.71 | ND | 0.12 | 0.2900 |
| MW-10 | 9/16/2013 | 1300 | NS | 480 | 0.58 | ND | 0.084 | 0.1400 |
| MW-10 | 10/28/2013 | 1800 | NS | 600 | 1.9 | 0.031 | 0.17 | 0.069 |
| MW-10 | 11/25/2013 | 1500 | NS | 560 | 3.3 | ND | ND | 0.032 |
| MW-10 | 12/18/2013 | NT | NT | NT | NT | NT | NT | NT |
| MW-10 | 1/21/2014 | NT | NT | NT | NT | NT | NT | NT |
| MW-10 | 2/24/2014 | 1800 | NS | 710 | 3.0 | ND | 0.78 | 0.085 |
| | | | | | | | | |
| MW-11 | 7/10/2013 | 1200 | NS | NS | 0.13 | 0.160 | ND | 0.0410 |
| MW-11 | 7/30/2013 | 1100 | NS | 450 | 0.14 | ND | 0.47 | 0.0750 |
| MW-11 | 8/28/2013 | 1100 | NS | 460 | 0.15 | ND | ND | 0.0700 |
| MW-11 | 9/17/2013 | 1100 | NS | 410 | 0.13 | ND | ND | 0.0640 |
| MW-11 | 10/29/2013 | 1100 | NS | 420 | 0.24 | ND | ND | 0.0200 |
| MW-11 | 11/26/2013 | 1100 | NS | 460 | 0.30 | ND | ND | 0.0170 |
| MW-11 | 12/18/2013 | 1100 | NS | 470 | 0.25 | ND | ND | ND |
| MW-11 | 1/21/2014 | NT | NT | NT | NT | NT | NT | NT |
| MW-11 | 2/25/2014 | 1100 | NS | 450 | 0.41 | ND | ND | ND |

Table 2 - Groundwater Analytical Summary
Inorganics

| Sample Location | Sampling Date | TDS (mg/L) | Chlorides (mg/L) | Sulfates (mg/L) | Nitrate (mg/L) | Nitrite (mg/L) | Dissolved Iron (mg/L) | Dissolved Manganese (mg/L) |
|---------------------------|--|--------------------|--------------------|--------------------|--|----------------|-----------------------|----------------------------|
| | COGCC Table 910-1 Concentration Levels | <1.25 X Background | <1.25 X Background | <1.25 X Background | No COGCC Concentration Level Established | | | |
| MW-12 | 7/10/2013 | 1000 | NS | NS | 0.18 | 0.021 | 0.13 | 0.3300 |
| MW-12 | 7/30/2013 | 970 | NS | 410 | 0.13 | ND | ND | 0.2800 |
| MW-12 | 8/28/2013 | 1000 | NS | 430 | 0.16 | ND | ND | 0.2800 |
| MW-12 | 9/17/2013 | 970 | NS | 370 | 0.17 | ND | 0.12 | 0.2200 |
| MW-12 | 10/29/2013 | 1000 | NS | 400 | 0.23 | ND | ND | 0.1600 |
| MW-12 | 11/26/2013 | 1000 | NS | 430 | 0.25 | ND | ND | 0.2000 |
| MW-12 | 12/18/2013 | 1200 | NS | 450 | 0.22 | ND | ND | 0.073 |
| MW-12 | 1/21/2014 | 1100 | NS | 440 | 0.29 | ND | 0.095 | 0.100 |
| MW-12 | 2/25/2014 | 1000 | NS | 440 | 0.27 | ND | 0.11 | 0.088 |
| | | | | | | | | |
| MW-13 | 7/10/2013 | 880 | NS | NS | 0.42 | ND | ND | 0.0300 |
| MW-13 | 7/30/2013 | 970 | NS | 380 | 0.41 | ND | 0.095 | 0.0380 |
| MW-13 | 8/28/2013 | 920 | NS | 390 | 0.41 | ND | ND | 0.0510 |
| MW-13 | 9/17/2013 | 920 | NS | 350 | 0.37 | ND | 0.097 | 0.0530 |
| MW-13 | 10/29/2013 | 960 | NS | 370 | 0.40 | ND | ND | 0.0510 |
| MW-13 | 11/26/2013 | 890 | NS | 390 | 0.38 | ND | ND | 0.0460 |
| MW-13 | 12/17/2013 | 920 | NS | 400 | 0.30 | ND | ND | 0.036 |
| MW-13 | 1/20/2014 | 900 | NS | 370 | 0.32 | ND | ND | 0.046 |
| MW-13 | 2/25/2014 | 800 | NS | 360 | 0.32 | ND | ND | 0.028 |
| | | | | | | | | |
| MW-14 | 7/10/2013 | 950 | NS | NS | 1.40 | 0.023 | 0.63 | 0.0680 |
| MW-14 | 7/30/2013 | 990 | NS | 380 | 0.93 | ND | ND | 0.0500 |
| MW-14 | 8/28/2013 | 990 | NS | 410 | 0.80 | ND | ND | 0.0690 |
| MW-14 | 9/17/2013 | 840 | NS | 360 | 0.74 | ND | ND | 0.0590 |
| MW-14 | 10/29/2013 | 1000 | NS | 370 | 1.00 | 0.022 | ND | 0.052 |
| MW-14 | 11/26/2013 | 480 | NS | 390 | 0.95 | ND | ND | 0.038 |
| MW-14 | 12/17/2013 | 1000 | NS | 400 | 0.74 | ND | 0.23 | 0.023 |
| MW-14 | 1/21/2014 | 970 | NS | 380 | 0.62 | ND | ND | 0.032 |
| MW-14 | 2/25/2014 | 870 | NS | 360 | 0.59 | ND | ND | 0.011 |
| | | | | | | | | |
| MW-15 | 7/10/2013 | 880 | NS | NS | 0.47 | 0.026 | ND | ND |
| MW-15 | 7/30/2013 | 940 | NS | 380 | 0.42 | ND | ND | ND |
| MW-15 | 8/28/2013 | 930 | NS | 380 | 0.49 | ND | ND | 0.0066 |
| MW-15 | 9/17/2013 | 910 | NS | 350 | 0.45 | ND | 0 | 0.0160 |
| MW-15 | 10/29/2013 | 920 | NS | 370 | 0.44 | ND | ND | ND |
| MW-15 | 11/26/2013 | NS | NS | NS | NS | NS | NS | NS |
| MW-15 | 12/18/2013 | 940 | NS | 370 | 0.39 | ND | ND | ND |
| MW-15 | 1/20/2014 | 880 | NS | 360 | 0.39 | ND | ND | 0.0058 |
| MW-15 | 2/25/2014 | 880 | NS | 360 | 0.38 | ND | ND | ND |
| | | | | | | | | |
| Black Sulfur Crk. UG | 6/4/2012 | 770 | 10 | 300 | NS | NS | NS | NS |
| Black Sulfur Crk. UPCREEK | 2/28/2013 | 850 | NS | 370 | 0.27 | ND | ND | 0.022 |
| Black Sulfur Crk. UPCREEK | 3/29/2013 | 900 | NS | 380 | 0.044 | ND | 0.11 | 0.061 |
| UPCREEK | 4/26/2013 | 980 | NS | 470 | 0.064 | 0.027 | 0.14 | 0.14 |
| UPCREEK | 5/28/2013 | 850 | NS | 340 | ND | ND | ND | 0.03 |
| UPCREEK | 6/20/2013 | 840 | NS | 370 | ND | ND | ND | 0.02 |
| UPCREEK | 7/29/2013 | 800 | NS | 350 | ND | ND | ND | 0.01 |
| UPCREEK | 8/27/2013 | 770 | NS | 350 | ND | ND | 0.13 | 0.01 |
| UPCREEK | 9/16/2013 | 820 | NS | 350 | ND | ND | ND | 0.025 |
| UPCREEK | 10/28/2013 | 860 | NS | 380 | 0.037 | ND | ND | 0.069 |
| UPCREEK | 11/25/2013 | 780 | NS | 370 | 0.026 | ND | 0.12 | 0.045 |
| UPCREEK | 12/17/2013 | 860 | NS | 400 | 0.25 | ND | ND | 0.031 |
| UPCREEK | 1/20/2014 | 840 | NS | 360 | 0.31 | ND | ND | 0.027 |
| UPCREEK | 2/24/2014 | 800 | NS | 360 | 0.12 | ND | ND | 0.035 |

Table 2 - Groundwater Analytical Summary
Inorganics

| Sample Location | Sampling Date | TDS (mg/L) | Chlorides (mg/L) | Sulfates (mg/L) | Nitrate (mg/L) | Nitrite (mg/L) | Dissolved Iron (mg/L) | Dissolved Manganese (mg/L) |
|-------------------------------|--|--------------------|--------------------|--------------------|--|----------------|-----------------------|----------------------------|
| | COGCC Table 910-1 Concentration Levels | <1.25 X Background | <1.25 X Background | <1.25 X Background | No COGCC Concentration Level Established | | | |
| Black Sulfur Crk. DG | 6/4/2012 | 770 | 10 | 310 | NS | NS | NS | NS |
| Black Sulfur Crk. DWCREEK | 2/28/2013 | 870 | NS | 380 | 0.26 | ND | ND | 0.038 |
| Black Sulfur Crk. DWCREEK | 3/29/2013 | 890 | NS | 380 | 0.049 | ND | 0.13 | 0.093 |
| DWCREEK | 4/26/2013 | 860 | NS | 440 | 0.110 | 0 | 0.14 | 0.12 |
| DWCREEK | 5/28/2013 | 830 | NS | 350 | ND | ND | ND | 0.05 |
| DWCREEK | 6/20/2013 | 850 | NS | 360 | ND | ND | 0.13 | 0.04 |
| DWCREEK | 7/29/2013 | 770 | NS | 350 | ND | ND | ND | 0.02 |
| DWCREEK | 8/27/2013 | 780 | NS | 350 | ND | ND | 0.11 | 0.02 |
| DWCREEK | 9/16/2013 | 820 | NS | 340 | ND | ND | ND | 0.04 |
| DWCREEK | 10/28/2013 | 850 | NS | 370 | ND | ND | ND | 0.078 |
| DWCREEK | 11/25/2013 | 820 | NS | 360 | 0.042 | ND | 0.13 | 0.068 |
| DWCREEK | 12/17/2013 | 860 | NS | 380 | 0.093 | ND | ND | 0.050 |
| DWCREEK | 1/20/2014 | 840 | NS | 340 | 0.320 | ND | ND | 0.037 |
| DWCREEK | 2/24/2014 | 810 | NS | 370 | ND | ND | ND | 0.041 |
| | | | | | | | | |
| Black Sulfur Crk. SP1 | 6/4/2012 | 780 | 10 | 300 | NS | NS | NS | NS |
| Black Sulfur Crk. MIDDLECREEK | 2/28/2013 | 880 | ND | 370 | 0.27 | ND | ND | 0.024 |
| Black Sulfur Crk. MIDDLECREEK | 3/29/2013 | 900 | NS | 370 | 0.044 | ND | 0.12 | 0.053 |
| MIDCREEK | 4/26/2013 | 740 | NS | 470 | 0.058 | ND | 0.12 | 0.15 |
| MIDCREEK | 5/28/2013 | 840 | NS | 350 | ND | ND | ND | 0.03 |
| MIDCREEK | 6/20/2013 | 840 | NS | 370 | ND | ND | 0.11 | 0.03 |
| MIDCREEK | 7/29/2013 | 810 | NS | 360 | 0.120 | ND | ND | 0.02 |
| MIDCREEK | 8/27/2013 | 800 | NS | 350 | ND | ND | 0.12 | 0.01 |
| MIDCREEK | 9/16/2013 | 800 | NS | 340 | ND | ND | 0.08 | 0.031 |
| MIDCREEK | 10/28/2013 | 860 | NS | 370 | 0.032 | ND | 0.09 | 0.068 |
| MIDCREEK | 11/25/2013 | 820 | NS | 360 | 0.031 | ND | 0.120 | 0.039 |
| MIDCREEK | 12/17/2013 | 910 | NS | 400 | 0.200 | ND | ND | ND |
| MIDCREEK | 1/20/2014 | 840 | NS | 340 | 0.32 | ND | ND | 0.031 |
| MIDCREEK | 2/24/2014 | 810 | NS | 360 | 0.11 | ND | ND | 0.033 |

NS = Not sampled

ND = Non detected at or above laboratory reporting limit

mg/L - Milligrams per liter

J= Analyte reported below laboratory reporting limit

Above COGCC Table 910-1 Concentration Level

Table 3 - Groundwater Field Measured Parameters

| | | Temperature | Conductivity | TDS | Dissolved Oxygen (DO) | pH | ORP | Product Levels | Water Levels |
|-----------------|---------------|-------------|--------------|-------|-----------------------|------|---------|----------------|--------------|
| Sample Location | Sampling Date | °C | mS/cm | g/L | mg/L | | mV | TOC (ft) | TOC (ft) |
| MW-1 | 6/15/2012 | 15.33 | 1.574 | 1.255 | 3.02 | 6.96 | 77.50 | ND | 23.80 |
| MW-1 | 7/13/2012 | 13.10 | 1.421 | 1.196 | 1.89 | 7.54 | -24.00 | ND | 23.19 |
| MW-1 | 8/14/2012 | 12.24 | 1.474 | 1.269 | 2.39 | 7.52 | -81.10 | ND | 23.21 |
| MW-1 | 9/13/2012 | 12.38 | 1.384 | 1.185 | 4.16 | 7.53 | 34.80 | ND | 23.35 |
| MW-1 | 1/30/2013 | 8.59 | 1.63 | 1.000 | 1.14 | 8.19 | NT | ND | 22.85 |
| MW-1 | 2/28/2013 | NT | NT | NT | NT | NT | NT | ND | NT |
| MW-1 | 3/29/2013 | 11.25 | 1.82 | 1.200 | 1.58 | 8.48 | NT | ND | 22.75 |
| MW-1 | 4/26/2013 | 10.53 | 1.7 | 1.100 | 1.45 | 8.66 | NT | ND | 22.15 |
| MW-1 | 5/28/2013 | 11.14 | 0.149 | 0.100 | 1.47 | 8.72 | NT | ND | 22.10 |
| MW-1 | 6/20/2013 | 11.73 | 1.92 | 1.200 | 2.35 | 8.73 | NT | ND | 22.80 |
| MW-1 | 7/29/2013 | 11.32 | 1.77 | 1.100 | 1.20 | 8.72 | NT | ND | 23.36 |
| MW-1 | 8/27/2013 | 10.91 | 1.84 | 1.200 | 1.21 | 8.53 | NT | ND | 23.50 |
| MW-1 | 9/17/2013 | 9.94 | 1.72 | 1.100 | 1.03 | 8.35 | NT | ND | 23.12 |
| MW-1 | 10/29/2013 | 9.11 | 1.74 | 1.100 | 1.54 | 8.20 | NT | ND | 22.60 |
| MW-1 | 11/25/2013 | 8.50 | 1.76 | 1.100 | 1.80 | 8.10 | NT | ND | 22.40 |
| MW-1 | 12/17/2013 | 8.55 | 0.885 | 0.6 | 2.55 | 8.42 | NT | ND | 22.64 |
| MW-1 | 1/21/2014 | NT | NT | NT | NT | NT | NT | NT | NT |
| MW-1 | 2/25/2014 | 9.68 | 1.60 | 1.1 | 1.45 | 8.23 | NT | ND | 22.07 |
| | | | | | | | | | |
| MW-2 | 6/15/2012 | 19.09 | 3.49 | 2.550 | 3.61 | 7.24 | 22.50 | ND | 23.70 |
| MW-2 | 7/13/2012 | 12.08 | 2.924 | 2.478 | 2.67 | 7.84 | -145.80 | ND | 21.73 |
| MW-2 | 8/14/2012 | 14.09 | 3.341 | 2.741 | 3.16 | 8.24 | -224.90 | ND | 21.80 |
| MW-2 | 9/13/2012 | 12.97 | 2.853 | 2.462 | 2.82 | 7.73 | -165.70 | ND | 21.83 |
| MW-2 | 1/30/2013 | 9.08 | 3.72 | 2.400 | 0.72 | 8.61 | NT | ND | 21.45 |
| MW-2 | 2/28/2013 | 9.90 | 3.68 | 2.400 | 0.82 | 7.58 | NT | ND | 21.35 |
| MW-2 | 3/29/2013 | 11.37 | 4.33 | 2.800 | 0.84 | 8.63 | NT | ND | 21.29 |
| MW-2 | 4/26/2013 | 10.99 | 3.71 | 2.400 | 0.91 | 8.81 | NT | ND | 20.59 |
| MW-2 | 5/28/2013 | 11.16 | 3.97 | 2.500 | 0.24 | 8.78 | NT | ND | 20.68 |
| MW-2 | 6/20/2013 | 11.32 | 3.89 | 2.500 | 0.36 | 8.86 | NT | ND | 21.34 |
| MW-2 | 7/30/2013 | 12.38 | 3.6 | 2.200 | 0.33 | 9.13 | NT | ND | 22.91 |
| MW-2 | 8/28/2013 | 11.98 | 2.99 | 1.900 | 0.53 | 8.72 | NT | ND | 21.93 |
| MW-2 | 9/17/2013 | 10.32 | 2.8 | 1.800 | 0.74 | 8.41 | NT | ND | 21.61 |
| MW-2 | 10/29/2013 | 9.73 | 2.91 | 1.900 | 2.00 | 8.51 | NT | ND | 21.06 |
| MW-2 | 11/26/2013 | 9.64 | 3.66 | 2.300 | 1.20 | 8.28 | NT | ND | 20.95 |
| MW-2 | 12/18/2013 | 9.28 | 3.20 | 2.0 | 1.97 | 8.26 | NT | ND | 21.19 |
| MW-2 | 1/21/2014 | NT | NT | NT | NT | NT | NT | NT | NT |
| MW-2 | 2/25/2014 | 10.02 | 2.40 | 1.5 | 0.45 | 8.30 | NT | ND | 20.64 |
| | | | | | | | | | |
| MW-3 | 6/15/2012 | 17.73 | 2.13 | 1.607 | 1.49 | 7.45 | -42.30 | ND | 22.80 |
| MW-3 | 7/13/2012 | 12.62 | 2.19 | 1.864 | 1.11 | 8.16 | -166.80 | ND | 22.18 |
| MW-3 | 8/14/2012 | 17.39 | 2.792 | 2.122 | 3.35 | 7.92 | -188.70 | ND | 21.43 |
| MW-3 | 9/13/2012 | 11.79 | 1.957 | 1.702 | 2.21 | 7.83 | -100.60 | ND | 22.27 |
| MW-3 | 1/30/2013 | 8.64 | 2.77 | 1.800 | 0.65 | 8.50 | NT | ND | 21.85 |
| MW-3 | 2/28/2013 | NT | NT | NT | NT | NT | NT | ND | NT |
| MW-3 | 3/29/2013 | 11.51 | 2.86 | 1.800 | 1.03 | 8.67 | NT | ND | 21.70 |
| MW-3 | 4/26/2013 | 12.14 | 2.36 | 1.500 | 0.72 | 8.95 | NT | ND | 21.29 |
| MW-3 | 5/28/2013 | 11.38 | 3.1 | 2.000 | 0.81 | 8.81 | NT | ND | 21.14 |
| MW-3 | 6/20/2013 | 10.98 | 2.87 | 1.800 | 0.73 | 8.86 | NT | ND | 21.75 |
| MW-3 | 7/30/2013 | 12.00 | 2.49 | 1.600 | 1.52 | 8.91 | NT | ND | 22.34 |
| MW-3 | 8/28/2013 | 11.17 | 2.49 | 1.600 | 1.07 | 8.64 | NT | ND | 22.47 |
| MW-3 | 9/17/2013 | 10.75 | 2.47 | 1.600 | 12.00 | 8.40 | NT | ND | 22.08 |
| MW-3 | 10/26/2013 | 9.98 | 2.78 | 1.800 | 1.36 | 8.41 | NT | ND | 21.57 |
| MW-3 | 11/26/2013 | 9.63 | 3.02 | 1.900 | 0.96 | 8.55 | NT | ND | 21.41 |
| MW-3 | 12/18/2013 | 10.11 | 2.92 | 1.4 | 0.68 | 8.33 | NT | ND | 21.62 |
| MW-3 | 1/21/2014 | 10.03 | 2.49 | 1.6 | 1.65 | 8.35 | NT | ND | 21.62 |
| MW-3 | 2/25/2014 | 10.55 | 2.49 | 1.6 | 0.97 | 8.34 | NT | ND | 21.09 |

Table 3 - Groundwater Field Measured Parameters

| | | Temperature | Conductivity | TDS | Dissolved Oxygen (DO) | pH | ORP | Product Levels | Water Levels |
|-----------------|---------------|-------------|--------------|-------|-----------------------|------|--------|----------------|--------------|
| Sample Location | Sampling Date | °C | mS/cm | g/L | mg/L | | mV | TOC (ft) | TOC (ft) |
| MW-4 | 6/15/2012 | 23.06 | 2.35 | 1.577 | 3.92 | 7.20 | 45.70 | ND | 21.50 |
| MW-4 | 7/13/2012 | 12.87 | 1.762 | 1.491 | 3.12 | 7.67 | 20.10 | ND | 21.83 |
| MW-4 | 8/14/2012 | 18.30 | 2.276 | 1.692 | 2.26 | 7.80 | -37.20 | ND | 21.87 |
| MW-4 | 9/13/2012 | 10.34 | 1.678 | 1.515 | 8.64 | 7.59 | 234.30 | ND | 21.94 |
| MW-4 | 1/30/2013 | 9.01 | 2.06 | 1.300 | 1.03 | 8.36 | NT | ND | 21.50 |
| MW-4 | 2/28/2013 | NT | NT | NT | NT | NT | NT | ND | NT |
| MW-4 | 3/29/2013 | 9.77 | 2.1 | 1.300 | 0.94 | 8.53 | NT | ND | 21.40 |
| MW-4 | 4/26/2013 | 18.84 | 1.91 | 1.200 | 1.14 | 8.62 | NT | ND | 20.98 |
| MW-4 | 05/58/2013 | 10.75 | 2.1 | 1.300 | 1.96 | 8.70 | NT | ND | 20.82 |
| MW-4 | 6/20/2013 | 10.27 | 2 | 1.300 | 1.23 | 8.77 | NT | ND | 21.43 |
| MW-4 | 7/29/2013 | 11.05 | 2.03 | 1.300 | 1.09 | 8.71 | NT | ND | 21.98 |
| MW-4 | 8/27/2013 | 10.61 | 2.02 | 1.300 | 1.66 | 8.61 | NT | ND | 22.10 |
| MW-4 | 9/16/2013 | 10.24 | 1.73 | 1.100 | 1.66 | 8.40 | NT | ND | 21.77 |
| MW-4 | 10/28/2013 | 9.39 | 1.97 | 1.300 | 1.15 | 8.42 | NT | ND | 21.25 |
| MW-4 | 11/25/2013 | 9.71 | 1.98 | 1.300 | 1.83 | 8.51 | NT | ND | 21.06 |
| MW-4 | 12/17/2013 | 8.48 | 0.386 | 0.3 | 2.35 | 8.36 | NT | ND | 21.30 |
| MW-4 | 1/20/2014 | 9.46 | 1.88 | 1.2 | 1.65 | 8.26 | NT | ND | 21.29 |
| MW-4 | 2/24/2014 | 9.90 | 1.88 | 1.2 | 1.76 | 8.40 | NT | ND | 20.76 |
| | | | | | | | | | |
| MW-5 | 6/15/2012 | 16.92 | 1.87 | 1.431 | 2.85 | 7.05 | 63.50 | ND | 19.30 |
| MW-5 | 7/13/2012 | 13.91 | 1.766 | 1.457 | 2.72 | 7.49 | 24.50 | ND | 19.48 |
| MW-5 | 8/14/2012 | 15.39 | 1.924 | 1.527 | 6.30 | 7.76 | -35.30 | ND | 19.42 |
| MW-5 | 9/13/2012 | 11.56 | 1.9 | 1.661 | 3.13 | 7.66 | 150.50 | ND | 19.56 |
| MW-5 | 1/30/2013 | 9.46 | 2.46 | 1.600 | 1.37 | 8.66 | NT | ND | 19.10 |
| MW-5 | 2/28/2013 | 10.05 | 2.19 | 1.400 | 3.07 | 7.51 | NT | ND | 19.50 |
| MW-5 | 3/29/2013 | 10.35 | 2.21 | 1.400 | 2.21 | 8.58 | NT | ND | 19.02 |
| MW-5 | 4/26/2013 | 11.55 | 2.31 | 1.500 | 1.62 | 8.68 | NT | ND | 18.60 |
| MW-5 | 5/28/2013 | 10.52 | 0.34 | 0.200 | 1.27 | 8.81 | NT | ND | 18.44 |
| MW-5 | 6/20/2013 | 10.70 | 1.65 | 1.100 | 1.34 | 8.75 | NT | ND | 19.04 |
| MW-5 | 7/29/2013 | 10.67 | 2.66 | 1.700 | 1.75 | 8.80 | NT | ND | 19.56 |
| MW-5 | 8/27/2013 | 10.82 | 2.61 | 1.700 | 1.46 | 8.57 | NT | ND | 19.09 |
| MW-5 | 9/16/2013 | 10.92 | 1.316 | 1.700 | 2.63 | 1.63 | NT | ND | 19.39 |
| MW-5 | 10/28/2013 | 10.07 | 1.362 | 0.900 | 1.24 | 8.34 | NT | ND | 18.86 |
| MW-5 | 11/25/2013 | 9.65 | 0.326 | 0.300 | 2.57 | 8.34 | NT | ND | 18.66 |
| MW-5 | 12/17/2013 | 9.46 | 2.47 | 1.6 | 1.45 | 8.47 | NT | ND | 18.89 |
| MW-5 | 1/20/2014 | 9.77 | 2.45 | 1.0 | 1.92 | 8.40 | NT | ND | 18.92 |
| MW-5 | 2/24/2014 | 10.21 | 2.74 | 1.8 | 1.29 | 8.52 | NT | ND | 18.38 |
| | | | | | | | | | |
| MW-6 | 6/15/2012 | 17.59 | 4.31 | 3.100 | 3.94 | 7.45 | 49.80 | ND | 19.20 |
| MW-6 | 7/13/2012 | 13.15 | 3.474 | 2.918 | 2.82 | 7.70 | 1.50 | ND | 20.45 |
| MW-6 | 8/14/2012 | 16.69 | 3.91 | 3.010 | 2.73 | 8.11 | -38.70 | ND | 18.39 |
| MW-6 | 9/13/2012 | 11.47 | 3.22 | 2.803 | 4.74 | 7.95 | 283.90 | ND | 18.55 |
| MW-6 | 1/30/2013 | 9.82 | 3.83 | 2.500 | 1.06 | 8.83 | NT | ND | 18.09 |
| MW-6 | 2/28/2013 | 7.82 | 3.09 | 2.000 | 1.46 | 7.72 | NT | ND | 18.50 |
| MW-6 | 3/29/2013 | 10.71 | 3.33 | 2.600 | 1.98 | 8.78 | NT | ND | 18.01 |
| MW-6 | 4/26/2013 | 10.25 | 3.81 | 2.400 | 1.34 | 8.78 | NT | ND | 17.64 |
| MW-6 | 5/28/2013 | 10.75 | 3.89 | 2.500 | 1.11 | 8.93 | NT | ND | 17.44 |
| MW-6 | 6/20/2013 | 11.74 | 3.91 | 2.500 | 1.20 | 8.93 | NT | ND | 18.04 |
| MW-6 | 7/29/2013 | 10.58 | 3.93 | 2.500 | 1.38 | 8.89 | NT | ND | 18.56 |
| MW-6 | 8/27/2013 | 10.65 | 3.79 | 2.400 | 0.98 | 8.79 | NT | ND | 18.66 |
| MW-6 | 9/16/2013 | 10.88 | 2.55 | 1.600 | 1.50 | 8.54 | NT | ND | 18.35 |
| MW-6 | 10/28/2013 | 10.22 | 3.54 | 0.300 | 1.87 | 8.52 | NT | ND | 17.88 |
| MW-6 | 11/25/2013 | 9.45 | 3.82 | 2.400 | 1.63 | 8.47 | NT | ND | 17.65 |
| MW-6 | 12/17/2013 | 9.96 | 3.86 | 2.500 | 1.65 | 8.49 | NT | ND | 17.89 |
| MW-6 | 1/20/2014 | 9.65 | 3.89 | 2.500 | 1.37 | 8.31 | NT | ND | 17.89 |
| MW-6 | 2/24/2014 | 10.35 | 3.74 | 2.400 | 1.66 | 8.34 | NT | ND | 17.40 |

Table 3 - Groundwater Field Measured Parameters

| | | Temperature | Conductivity | TDS | Dissolved Oxygen (DO) | pH | ORP | Product Levels | Water Levels |
|-----------------|---------------|-------------|--------------|-------|-----------------------|------|---------|----------------|--------------|
| Sample Location | Sampling Date | °C | mS/cm | g/L | mg/L | | mV | TOC (ft) | TOC (ft) |
| MW-7 | 6/15/2012 | 16.32 | 2.418 | 1.884 | 14.83 | 7.18 | 16.70 | ND | 25.40 |
| MW-7 | 7/13/2012 | 13.04 | 2.429 | 2.046 | 0.32 | 7.67 | -133.30 | ND | 24.26 |
| MW-7 | 8/14/2012 | 17.68 | 2.895 | 2.185 | 17.95 | 7.90 | -114.90 | ND | 24.37 |
| MW-7 | 9/13/2012 | 11.98 | 2.364 | 2.045 | 1.44 | 7.63 | -107.20 | ND | 24.43 |
| MW-7 | 1/30/2013 | 4.86 | 2.62 | 1.700 | 0.26 | 8.47 | NS | ND | 24.05 |
| MW-7 | 2/28/2013 | NT | NT | NT | NT | NT | NT | ND | NT |
| MW-7 | 3/29/2013 | 10.80 | 1.98 | 1.300 | 0.51 | 8.71 | NT | ND | 23.90 |
| MW-7 | 4/26/2013 | 10.39 | 2.53 | 1.600 | 0.45 | 8.68 | NT | ND | 23.34 |
| MW-7 | 5/28/2013 | 10.70 | 3.13 | 2.000 | 0.96 | 8.78 | NT | ND | 23.28 |
| MW-7 | 6/20/2013 | 11.16 | 3.19 | 2.000 | 0.39 | 8.79 | NT | ND | 24.01 |
| MW-7 | 7/30/2013 | 11.69 | 3.05 | 2.000 | 0.25 | 8.93 | NT | ND | 24.51 |
| MW-7 | 8/28/2013 | 11.59 | 2.83 | 1.800 | 0.44 | 8.56 | NT | ND | 24.64 |
| MW-7 | 9/17/2013 | 10.93 | 2.54 | 1.600 | 0.60 | 8.47 | NT | ND | 24.25 |
| MW-7 | 10/29/2013 | 9.38 | 3.08 | 2.000 | 1.01 | 8.30 | NT | ND | 23.73 |
| MW-7 | 11/26/2013 | 8.63 | 3.46 | 2.200 | 1.08 | 8.16 | NT | ND | 23.58 |
| MW-7 | 12/18/2013 | 7.90 | 2.45 | 1.600 | 0.83 | 8.14 | NT | ND | 23.80 |
| MW-7 | 1/21/2014 | 9.29 | 3.34 | 2.100 | 0.46 | 8.13 | NT | ND | 23.79 |
| MW-7 | 2/25/2014 | 10.21 | 2.42 | 1.500 | 0.96 | 8.26 | NT | ND | 23.27 |
| | | | | | | | | | |
| MW-8 | 7/10/2013 | 10.18 | 2.770 | 1.800 | 1.53 | 8.86 | NT | ND | 20.22 |
| MW-8 | 7/29/2013 | 10.19 | 2.800 | 1.800 | 1.70 | 8.78 | NT | ND | 20.53 |
| MW-8 | 8/27/2013 | 10.56 | 2.840 | 1.800 | 3.59 | 8.58 | NT | ND | 20.65 |
| MW-8 | 9/16/2013 | 10.40 | 2.360 | 1.500 | 2.11 | 8.35 | NT | ND | 20.31 |
| MW-8 | 10/28/2013 | 9.54 | 2.060 | 1.300 | 2.41 | 8.27 | NT | ND | 19.70 |
| MW-8 | 11/26/2013 | 8.63 | 0.747 | 0.500 | 2.00 | 8.22 | NT | ND | 19.53 |
| MW-8 | 12/18/2013 | 8.94 | 1.840 | 1.200 | 2.06 | 8.18 | NT | ND | 19.77 |
| MW-8 | 1/21/2014 | NT | NT | NT | NT | NT | NT | NT | NT |
| MW-8 | 2/24/2014 | 9.21 | 1.78 | 1.100 | 2.03 | 8.20 | NT | ND | 19.15 |
| | | | | | | | | | |
| MW-9 | 7/10/2013 | 10.29 | 2.000 | 1.300 | 3.62 | 8.82 | NT | ND | 20.01 |
| MW-9 | 7/29/2013 | 10.68 | 1.960 | 1.300 | 3.60 | 8.69 | NT | ND | 26.26 |
| MW-9 | 8/27/2013 | 12.33 | 1.900 | 1.200 | 3.72 | 8.64 | NT | ND | 26.41 |
| MW-9 | 9/16/2013 | 10.54 | 1.810 | 1.200 | 3.14 | 8.40 | NT | ND | 26.09 |
| MW-9 | 10/28/2013 | 9.59 | 1.880 | 1.200 | 3.33 | 8.44 | NT | ND | 25.53 |
| MW-9 | 11/25/2013 | 8.93 | 1.950 | 1.300 | 3.49 | 8.30 | NT | ND | 25.31 |
| MW-9 | 12/18/2013 | 8.88 | 1.890 | 1.200 | 3.64 | 8.14 | NT | ND | 25.54 |
| MW-9 | 1/21/2014 | 8.71 | 1.870 | 1.200 | 3.19 | 8.25 | NT | ND | 25.55 |
| MW-9 | 2/24/2014 | 9.21 | 1.780 | 1.100 | 2.84 | 8.20 | NT | ND | 25.00 |
| | | | | | | | | | |
| MW-10 | 7/10/2013 | 10.97 | 2.980 | 1.900 | 4.58 | 8.82 | NT | ND | 23.12 |
| MW-10 | 7/29/2013 | 11.07 | 2.960 | 1.900 | 3.59 | 8.79 | NT | ND | 23.31 |
| MW-10 | 8/27/2013 | 11.45 | 2.980 | 1.900 | 2.82 | 8.55 | NT | ND | 23.42 |
| MW-10 | 9/16/2013 | 11.48 | 2.890 | 1.900 | 2.89 | 8.52 | NT | ND | 23.10 |
| MW-10 | 10/28/2013 | 11.00 | 2.950 | 1.900 | 3.43 | 8.36 | NT | ND | 22.58 |
| MW-10 | 11/25/2013 | 8.69 | 0.427 | 0.300 | 4.04 | 8.35 | NT | ND | 22.25 |
| MW-10 | 12/18/2013 | NT | NT | NT | NT | NT | NT | NT | NT |
| MW-10 | 1/21/2014 | NT | NT | NT | NT | NT | NT | NT | NT |
| MW-10 | 2/24/2014 | 9.98 | 3.090 | 2.000 | 3.28 | 8.22 | NT | ND | 22.09 |
| | | | | | | | | | |
| MW-11 | 7/10/2013 | 9.93 | 1.920 | 1.200 | 1.12 | 8.91 | NT | ND | 16.21 |
| MW-11 | 7/30/2013 | 9.88 | 1.870 | 1.200 | 1.60 | 8.85 | NT | ND | 16.46 |
| MW-11 | 8/28/2013 | 9.73 | 1.830 | 1.200 | 1.65 | 8.65 | NT | ND | 16.59 |
| MW-11 | 9/17/2013 | 9.38 | 1.810 | 1.200 | 1.77 | 8.42 | NT | ND | 16.24 |
| MW-11 | 12/18/2013 | 9.14 | 1.890 | 1.900 | 2.48 | 8.27 | NT | ND | 15.76 |
| MW-11 | 10/29/2013 | 8.99 | 1.810 | 1.200 | 1.90 | 8.30 | NT | ND | 15.72 |
| MW-11 | 11/26/2013 | 8.85 | 1.457 | 0.900 | 1.73 | 8.31 | NT | ND | 15.54 |
| MW-11 | 1/21/2014 | NT | NT | NT | NT | NT | NT | NT | NT |
| MW-11 | 2/25/2014 | 9.03 | 1.860 | 1.200 | 1.63 | 8.25 | NT | ND | 15.23 |
| | | | | | | | | | |
| MW-12 | 7/10/2013 | 11.50 | 1.720 | 1.100 | 1.21 | 8.90 | NT | ND | 16.79 |
| MW-12 | 7/30/2013 | 10.28 | 1.680 | 1.100 | 1.34 | 8.65 | NT | ND | 17.06 |
| MW-12 | 8/28/2013 | 9.35 | 1.620 | 1.000 | 1.86 | 8.54 | NT | ND | 17.20 |
| MW-12 | 9/17/2013 | 9.54 | 1.490 | 1.000 | 1.62 | 8.35 | NT | ND | 16.83 |
| MW-12 | 10/29/2013 | 8.87 | 1.274 | 0.800 | 1.93 | 8.36 | NT | ND | 16.26 |
| MW-12 | 11/26/2013 | 8.68 | 1.850 | 1.200 | 1.80 | 8.22 | NT | ND | 16.10 |
| MW-12 | 12/18/2013 | 8.52 | 1.710 | 1.100 | 2.52 | 8.19 | NT | ND | 16.34 |
| MW-12 | 1/21/2014 | 8.80 | 1.780 | 1.100 | 1.28 | 8.22 | NT | ND | 16.36 |
| MW-12 | 2/25/2014 | 9.08 | 1.720 | 1.100 | 2.09 | 8.25 | NT | ND | 15.80 |

Table 3 - Groundwater Field Measured Parameters

| | | Temperature | Conductivity | TDS | Dissolved Oxygen (DO) | pH | ORP | Product Levels | Water Levels |
|-------------------------------|---------------|-------------|--------------|--------|-----------------------|------|-----|----------------|--------------|
| Sample Location | Sampling Date | °C | mS/cm | g/L | mg/L | | mV | TOC (ft) | TOC (ft) |
| Black Sulfur Crk. MIDDLECREEK | 2/28/2013 | 0.73 | 1.245 | 0.800 | 11.82 | 8.08 | NT | ND | NT |
| Black Sulfur Crk. MIDDLECREEK | 3/29/2013 | 13.48 | 1.431 | 0.900 | 5.87 | 8.78 | NT | ND | NT |
| MIDCREEK | 4/26/2013 | 14.49 | 1.550 | 1.000 | 5.17 | 8.05 | NT | ND | NT |
| MIDCREEK | 5/28/2013 | 9.62 | 1.330 | 0.500 | 8.73 | 9.03 | NT | ND | NT |
| MIDCREEK | 6/20/2013 | 13.57 | 1.337 | 0.900 | 8.58 | 9.28 | NT | ND | NT |
| MIDCREEK | 7/29/2013 | 15.62 | 1.301 | 0.800 | 7.08 | 9.13 | NT | ND | NT |
| MIDCREEK | 8/27/2013 | 13.70 | 1.326 | 0.900 | 6.64 | 8.89 | NT | ND | NT |
| MIDCREEK | 9/16/2013 | 14.14 | 1.720 | 1.100 | 2.33 | 8.54 | NT | ND | NT |
| MIDCREEK | 10/26/2013 | 5.50 | 1.401 | 82.900 | 8.46 | 8.39 | NT | ND | NT |
| MIDCREEK | 11/25/2013 | 3.50 | 1.384 | 0.900 | 7.82 | 8.40 | NT | ND | NT |
| MIDCREEK | 12/17/2013 | 2.12 | 1.52 | 1.0 | 8.99 | 8.30 | NT | ND | NT |
| MIDCREEK | 1/20/2014 | 0.22 | 1.38 | 0.9 | 11.32 | 8.20 | NT | ND | NT |
| MIDCREEK | 2/24/2014 | 3.02 | 1.354 | 0.9 | 10.74 | 8.22 | NT | ND | NT |

NS = Not sampled

ND = Non detected at or above laboratory reporting limit

NT = Not tested

mV - Millivolts

°C - Degrees Celsius

mS/cm - Millisiemens per centimeter

TDS - Total dissolved solids

g/L - Grams per Liter

mg/l - Milligrams per liter

TOC - Top of casing

ORP - Oxidation reduction potential

Table 4 - Soil Analytical Summary - BTEX, GRO, DRO and PID Field Screening Measurements

| Sample Location | Depth | Sampling Date | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Total Xylenes (mg/kg) | GRO (mg/kg) | DRO (mg/kg) | Total Petroleum Hydrocarbon (DRO+GRO) | PID Field Screening Results (ppm) |
|------------------------------------|----------|---------------|-----------------|-----------------|----------------------|-----------------------|-------------|-------------|---------------------------------------|-----------------------------------|
| COGCC Concentration Levels (mg/kg) | | | 0.17 | 100 | 85 | 175 | 500 | 500 | 500 | N/A |
| BH01 | 10 ft | 5/30/2012 | 0.05 | 2.30 | 2.80 | 37 | 3,300 | 590 | 3,890 | 4,873 |
| BH02 | 10 ft | 5/30/2012 | 0.04 | 3.30 | 4.90 | 74 | 3,300 | 370 | 3,670 | 4,212 |
| BH03 | 19-20 ft | 5/30/2012 | 10.00 | 38.00 | 220 | 440 | 22,000 | 1,100 | 23,100 | 5,000 |
| BH04 | 19-20 ft | 5/30/2012 | 9.10 | 14.00 | 100 | 160 | 5,400 | 250 | 5,650 | 5,000 |
| BH05 | 19-20 ft | 5/30/2012 | 0.02 | 0.13 | 0.36 | 1.90 | 130 | 42 | 172 | 348 |
| BH06 | 19-20 ft | 5/30/2012 | 1.90 | 4.50 | 18.00 | 66 | 4,100 | 250 | 4,350 | 2,290 |
| BH07 | 19-20 ft | 5/30/2012 | 4.80 | 11.0 | 73.0 | 130 | 12,000 | 820 | 12,820 | 5,000 |
| BH08 | 19-20 ft | 5/30/2012 | 0.11 | 0.93 | 3.10 | 12.00 | 720 | 170 | 890 | NS |
| BH09 | 19-20 ft | 6/5/2012 | 0.11 | 0.47 | 2.40 | 7.60 | 160 | 17 | 177 | 890 |
| BH10 | 19-20 ft | 6/5/2012 | ND | ND | 0.17 | 0.43 | ND | 9.7 | 9.7 | 612 |
| BH11 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | 16 | 16 | <1 |
| BH12 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | 29 | 29 | 6 |
| BH13 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | 13 | 13 | 9 |
| BH14 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | 7.7 | 7.7 | <1 |
| BH15 | 19-20 ft | 6/5/2012 | ND | ND | 0.06 | ND | ND | 13 | 13 | 6 |
| BH16 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | 14 | 14 | <1 |
| BH17 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | 6.8 | 6.8 | <1 |
| BH18 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | 13 | 13 | <1 |
| BH19 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | 17 | 17 | <1 |
| BH20 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | ND | ND | <1 |
| BH21 | 19-20 ft | 6/5/2012 | 0.50 | 2.90 | 2.30 | 38 | 1,100 | 59 | 1,159 | 4,067 |
| BH22 | 19-20 ft | 6/5/2012 | ND | ND | ND | ND | ND | ND | ND | 3 |
| BH23 | 19-20 ft | 6/5/2012 | ND | 1.20 | 0.05 | 19 | 960 | 210 | 1,170 | 4,788 |
| BH24 | 19-20 ft | 6/5/2012 | 0.31 | 0.59 | 0.44 | 2.70 | 120 | ND | 120 | 4,712 |
| CB BH01 | 19-20 ft | 5/31/2012 | ND | 0.03 | 0.09 | 0.29 | ND | 10 | 10 | 23 |
| CB BH02 | 19-20 ft | 5/31/2012 | 6 | 37 | 190 | 620 | 12,000 | 9,600 | 21,600 | 4,620 |
| CB BH03 | 19-20 ft | 5/31/2012 | 0.02 | ND | 0.11 | 0.14 | 26 | 66 | 92 | 206 |
| CB BH04 | 19-20 ft | 5/31/2012 | 0.04 | 0.03 | 0.31 | 0.38 | 110 | 280 | 390 | NS |
| B1 | 15-22 ft | 6/26/2013 | ND | ND | ND | ND | ND | 10 | 10 | <1 |
| B2 | 20-27 ft | 6/26/2013 | ND | ND | ND | ND | ND | 10 | 10 | <1 |
| B3 | 20-22 ft | 6/26/2013 | ND | ND | ND | ND | ND | 10 | 10 | <1 |
| B4 | 10-12 ft | 6/27/2013 | ND | ND | ND | ND | ND | 25 | 25 | <1 |
| B5 | 17-19 ft | 6/27/2013 | ND | ND | ND | ND | 36 | 28 | 64 | <1 |
| B6 | 12-17 ft | 6/27/2013 | ND | ND | ND | ND | ND | 10 | 10 | 2 |
| B7 | 15-17 ft | 6/28/2013 | ND | ND | 0.17 | 0.63 | ND | 37 | 37 | <1 |
| B8 | 10-12 ft | 6/28/2013 | ND | ND | ND | ND | ND | 23 | 23 | <1 |

NS = Not sampled (Lab Analytical)

ND = Non detect

NT = Not tested (Field Analytical)

PID - Photo-ionization detector

GRO - Gasoline range hydrocarbons

DRO - Diesel range hydrocarbons

ppm - Parts per million

J - Analyte reported below laboratory report limit

mg/kg - Milligrams per kilogram

Above COGCC Table 910-1 Concentration Soil Level

Table 5 - Soil Analytical Summary-Metals

| Sample Location | Depth | Sampling Date | Arsenic (mg/kg) | Barium (mg/kg) | Chromium (III) (mg/kg) | Chromium (VI) (mg/kg) | Lead (mg/kg) |
|------------------------------------|----------|---------------|-----------------|----------------|------------------------|-----------------------|--------------|
| COGCC Concentration Levels (mg/kg) | | | 0.39 | 15,000 | 120,000 | 23 | 400 |
| BH01 | 10 ft | 5/30/2012 | 2.7 | 350.0 | 19.0 | 19.0 | 7.20 |
| BH02 | 10 ft | 5/30/2012 | 4.4 | 250.0 | 31.0 | 31.0 | 13.0 |
| BH03 | 19-20 ft | 5/30/2012 | NS | NS | NS | NS | NS |
| BH04 | 19-20 ft | 5/30/2012 | NS | NS | NS | NS | NS |
| BH05 | 19-20 ft | 5/30/2012 | NS | NS | NS | NS | NS |
| BH06 | 19-20 ft | 5/30/2012 | NS | NS | NS | NS | NS |
| BH07 | 19-20 ft | 5/30/2012 | NS | NS | NS | NS | NS |
| BH08 | 19-20 ft | 5/30/2012 | NS | NS | NS | NS | NS |
| BH09 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH10 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH11 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH12 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH13 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH14 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH15 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH16 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH17 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH18 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH19 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH20 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH21 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH22 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH23 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| BH24 | 19-20 ft | 6/5/2012 | NS | NS | NS | NS | NS |
| CB BH01 | 19-20 ft | 5/31/2012 | NS | NS | NS | NS | NS |
| CB BH02 | 19-20 ft | 5/31/2012 | NS | NS | NS | NS | NS |
| CB BH03 | 19-20 ft | 5/31/2012 | NS | NS | NS | NS | NS |
| CB BH04 | 19-20 ft | 5/31/2012 | NS | NS | NS | NS | NS |
| B1 | 15-22 ft | 6/26/2013 | NS | NS | NS | NS | NS |
| B2 | 20-27 ft | 6/26/2013 | NS | NS | NS | NS | NS |
| B3 | 20-22 ft | 6/26/2013 | NS | NS | NS | NS | NS |
| B4 | 10-12 ft | 6/27/2013 | NS | NS | NS | NS | NS |
| B5 | 17-19 ft | 6/27/2013 | NS | NS | NS | NS | NS |
| B6 | 12-17 ft | 6/27/2013 | NS | NS | NS | NS | NS |
| B7 | 15-17 ft | 6/28/2013 | NS | NS | NS | NS | NS |
| B8 | 10-12 ft | 6/28/2013 | NS | NS | NS | NS | NS |

mg/kg - milligrams per kilogram

ND - Non Detect

NS - Not Sampled

Above COGCC Table 910-1 Soil Concentration Level

Sensitive Area Determination Checklist

| | | | |
|---------------------|--------------------------------|----------------------------|------------------|
| <i>Client</i> | Williams (Bargath, LLC) | | |
| <i>Field Eval.</i> | | | |
| <i>Office Eval.</i> | Karl Taboga, P.G. | Hydrogeologist | 8/23/2011 |
| | <i>Evaluator Name(s)</i> | <i>Position</i> | <i>Date</i> |
| | Black Sulphur | Compressor Station | |
| | <i>Site Name</i> | <i>Site Type</i> | |
| | 39.856837 / -108.329057 | T2S R97W Sec19 SWSW | |
| | <i>Site Lat/Lon (NAD 83)</i> | <i>Site PLSS</i> | |

Online data available at: <http://cogcc.state.co.us/>

Is the proposed, new or existing location currently designated as a sensitive area?

YES NO

SURFACE WATER

1. Are there any surface water features or SWSAs adjacent to or within 1/4 mile of the proposed new or existing facility?

YES NO

If yes, list type of surface water feature(s), i.e., rivers, creeks, streams, seeps, springs, wetlands:

➤ Black Sulphur Creek

If yes, describe location relative to facility: Located ~400' SSW of the south boundary of facility

2. Could a potential release from the facility reach surface water features?

YES NO

If yes, describe the pathway a release from the facility would likely follow to determine if the potential to impact surface water is high or low:

A potential release could reach the drainage by flowing south across the level facility site for a minimum distance of ~400 feet, progress across a small road and continue across the floodplain to the creek channel.

3. Is the potential to impact surface water from a facility release high or low?

HIGH LOW

GROUNDWATER

1. Will the proposed/new or existing facility have any pits which will contain hydrocarbons and chlorides or other E&P wastes?

YES NO Source: Williams Bargath, LLC

If yes, List the pit type(s):

2. Is the site of the proposed facility underlain by an unconfined aquifer or recharge zone?

YES NO

Source: <http://www.dwr.state.co.us/WellPermitSearch/default.aspx>

3. Is the hydraulic conductivity of the underlying soil or geologic material $\leq 1.0 \times 10^{-7}$ cm/sec?

YES NO

Source for Soils: SoilDataMart@nracs.usda.gov

Source for Geology: USGS Open File Report (OFR) 02-197, Online at: <http://pubs.usgs.gov/of/2002/ofr02197/spreadsheets.html>

4. Is the proposed facility located within **1/8** mile of a domestic water well or 1/4 mile of a public water supply well which would use the same aquifer?

YES NO

Source: <http://www.dwr.state.co.us/WellPermitSearch/default.aspx>

5. Is the proposed facility located within a 100 year floodplain?

YES (Sensitive **Area**) NO (If no, proceed to question **#6.**)

6. Is the depth to groundwater known?

YES (*If yes*, follow instructions provided in **6(a)** of this section).

NO (if no, follow instructions provided in **6(b)** of this section).

(a) If yes, could a potential release **from** the proposed facility reach groundwater?

YES NO

If yes, explain: Groundwater impacts identified in 2012.

(b) If no:

(i) Evaluate surrounding soils, topography, and vegetation which may suggest the presence of shallow groundwater.

(ii) Gather information from surrounding well data in order to determine a depth to groundwater, i.e. State Engineers Office.

See DGW data from DWR, below.

(<http://www.dwr.state.co.us/WellPermitSearch/default.aspx>)

7. Is the type of soil underlying the facility known?

YES NO

If yes, list: Barcus channery loamy sand

Source: <http://cogcc.state.co.us/infosys/Maps/LoadMap.cfm>

8. Is the geologic unit underlying the facility known?

YES NO

If yes, list: Quaternary Alluvial Deposits underlain by Uinta formation

Source: <http://cogcc.state.co.us/infosys/Maps/LoadMap.cfm>

9. Is the potential to impact ground water from the facility in the event of a release high or low?

HIGH LOW

Narrative

Facility: Black Sulphur Compressor Station
Location: T2S R97W S19 SWSW
Operator: Williams (Bargath, LLC)

Facility Description

The Black Sulphur Compressor Station is a natural gas production facility owned and operated by Williams (Bargath, LLC). The facility occupies an area of ~0.25 acres and is located approximately 25 miles southwest of Meeker, in Rio Blanco County, Colorado. The Black Sulphur Compressor Station is not located in a currently COGCC designated Sensitive Area.

On-Site E&P Waste Storage

The facility includes a number of tanks that contain various types of E&P waste and production chemicals. In the event of a spill, the storage tanks are located within secondary containment structures that have net capacities which exceed the storage capacities of the tanks. The facility does not have any on-site pits that will be used to store E&P wastes

The types of E&P waste stored on the facility may include:

- Condensate

Project Potential to Adversely Impact Surface Water

The southern edge of the facility is located approximately 400 feet north of Black Sulphur Creek. A potential release could reach the drainage by flowing south across the level facility site and continue for a minimum distance of ~400 feet, progress across a small road and continue across the floodplain to the creek channel. The potential to impact surface water in the event of a release from this facility is low.

Project Potential to Adversely Impact Groundwater

There are no pits on the facility which contain E&P waste. Currently, wastes are stored on-site in tanks which are located within secondary containment structures that have net capacities that exceed the storage capacities of the tanks. Furthermore, the facility is not located within 1/8 mile of a domestic well or a ¼ mile radius of a municipal water supply well.

NRCS data indicates that Barcus channery loamy sand underlies the facility. Saturated conductivity (Ksat) values for this type of soil range from 4.23×10^{-4} to 1.41×10^{-2} cm/sec (NRCS, 2011). Surface geologic units consist of Quaternary alluvial deposits underlain by Uintah Formation units. Likely hydraulic conductivity

values for stream terrace deposits range from 3.53×10^{-4} to 3.53×10^{-2} cm/sec (USGS, 2002).

The depth to groundwater (DGW) for the facility varies from approximately 15-ft to 25-ft below ground surface. This is data that has been collected since June 2012.

Based on the available data, it is InterTech Environmental & Engineering, LLC's (InterTech's) opinion that the potential to adversely impact groundwater in the event of a release from this facility is high.

Conclusion

It is InterTech's professional judgment that the facility is located in a sensitive area. Please see the attached checklist for summary and additional data for this facility.

References

COGCC, 2011. Online: <http://cogcc.state.co.us/infosys/maps/>

DWR, 2011. Online: www.dwr.state.co.us/wellpermitsearch

NRCS, 2011. Online: SoilDataMart@nrcs.usda.gov

Halford, K. J. and E. L. Kuniatsky, 2002. Spreadsheets for the Analysis of Aquifer-Test and Slug-Test Data, Version 1.2, Open-File Report 02-197 U. S. Geological Survey, Carson City, NV, 54 p.