



## **2024 ANNUAL GROUNDWATER MONITORING REPORT**

Blanco Plant – South Flare Pit and  
D Plant Areas

NMOCD Incident No. nAPP2110640022

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**2024 ANNUAL GROUNDWATER REPORT  
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|               |                                                 |
|---------------|-------------------------------------------------|
| bgs           | below ground surface                            |
| cis-1,2-DCE   | cis-1,2-dichloroethene                          |
| EPA           | U.S. Environmental Protection Agency            |
| EPNG          | El Paso Natural Gas Company, LLC                |
| Eurofins      | Eurofins Environment Testing South Central, LLC |
| HydraSleeve   | HydraSleeve™                                    |
| LNAPL         | light non-aqueous phase liquid                  |
| mg/L          | milligrams per liter                            |
| MS/MSD        | Matrix Spike/Matrix Spike Duplicate             |
| NMOCD         | New Mexico Oil Conservation Division            |
| NMWQCC        | New Mexico Water Quality Control Commission     |
| PCE           | Tetrachloroethene                               |
| QC            | quality control                                 |
| SFP           | South Flare Pit                                 |
| Stantec       | Stantec Consulting Services Inc.                |
| TCE           | Trichloroethene                                 |
| trans-1,2-DCE | trans-1,2-dichloroethene                        |
| VOC           | volatile organic compound                       |
| 1,1-DCA       | 1,1-dichloroethane                              |
| 1,1-DCE       | 1,1-dichloroethene                              |
| 1,2-DCB       | 1,2-dichlorobenzene                             |

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## **1.0 INTRODUCTION**

This 2024 Annual Groundwater Monitoring Report has been prepared on behalf of El Paso Natural Gas Company, LLC (EPNG) to present the results of the 2024 annual groundwater monitoring activities at the Blanco Gas Plant South Flare Pit (SFP) and D Plant Areas (site).

The site is currently regulated by the New Mexico Oil Conservation Division (NMOCD) and is located at 81 Road 4900 in Bloomfield, San Juan County, New Mexico. Annual groundwater sampling is typically conducted in the fourth quarter of the year. The site location is shown on Figure 1 and the site map is shown on Figure 2. The 2024 groundwater sampling event was performed by Stantec Consulting Services Inc. (Stantec), on behalf of EPNG.

## **2.0 SITE BACKGROUND**

### **2.1 SITE DESCRIPTION**

The site is located approximately 1.5 miles northeast of Bloomfield, New Mexico. The San Juan River is approximately 2 miles south of the site. Citizens Ditch, a local irrigation canal, is located immediately south of the Blanco Gas Plant. The subject impacted areas of the site (SFP and D Plant Areas) are located within the fenced boundary of the Blanco Gas Plant, which is currently operating as a natural gas processing and distribution facility. The SFP was closed in November-December 1992. The D Plant Area is in an active operations area and the SFP is located on the southern portion of the facility outside of the active gas processing area. In 2002, most of the Blanco Gas Plant facilities were sold by EPNG to Enterprise Products (Enterprise). Kinder Morgan, the parent company of EPNG, currently operates a portion of the compression facilities at the site and continues to own the property on which the gas plant is located. Properties adjacent to the site include the following:

- North – County Road 4900, natural gas processing and distribution facilities operated by Enterprise, and the former North Flare Pit remediation site.
- South – Citizens Ditch (public water supply diversion ditch) and agricultural/residential land.
- East – Natural gas processing and distribution facilities (Enterprise).
- West – Natural gas processing and distribution facilities (Enterprise).

### **2.2 SITE HISTORY**

Bechtel Environmental (Bechtel, 1989) initially assessed the hydrogeology at the site during a 1988 investigation. During the investigation, six monitoring wells were installed and sampled for nitrate. Elevated nitrate concentrations were found in samples collected in upgradient monitoring well MW-2 and on-site monitoring well MW-6. This report concluded that the high nitrate concentrations found in upgradient monitoring well MW-2 were not the result of the Blanco Gas Plant operations.

In 1990, a study was conducted by K.W. Brown and Associates, Inc. (K.W. Brown, 1990) to investigate the extent of contamination in the D Plant Area due to a leaking



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underground storage tank. As part of this study, the source of elevated nitrate in groundwater was further investigated. Off-site monitoring well MW-19 was installed north of MW-2. Based on the analytical results, elevated nitrate concentrations were found in MW-2, MW-19, MW-14, and MW-15. Monitoring wells MW-2 and MW-19 became part of the site and were abandoned in 2017. An inspection of the Blanco Gas Plant was performed during the investigation to determine a potential nitrate source; however, no sources were identified.

In 2003, MWH Americas, Inc. (MWH, 2012) conducted a study of area background nitrate data to determine a potential source. The study determined that evaporites present at the Blanco Gas Plant can produce elevated nitrate concentrations in leachate. The study also determined that several products used in the Blanco Gas Plant operations were composed of nitrates and nitrites. However, no major releases of such products were identified. In addition, during the 1990s, fertilizer was commonly used for the in-situ remediation of residual petroleum hydrocarbons. The 2003 nitrate study concluded that groundwater monitoring should be conducted annually.

In 2015, CH2M (now Jacobs) installed additional monitoring wells at the site to evaluate the nature and extent of volatile organic compounds (VOCs) and nitrate in groundwater at the D Plant Area and nitrate in groundwater on the southern portion of the site, including the former SFP. Monitoring wells MW-71, MW-72, MW-73, MW-74, MW-75, MW-76, MW-77, MW-78, MW-79, MW-80, and MW-81 were installed. The findings indicated that VOCs in the D Plant Area were limited to a small central area and the only exceedance of a New Mexico Water Quality Control Commission (NMWQCC) standard was for 1,1-dichloroethane (1,1-DCA) at MW-13. There were several exceedances of the NMWQCC standard for nitrate in the D Plant Area. Nitrate exceedances of the standard were found throughout the southern portion of the site, including at the former SFP, however, the nitrate did not exceed the standard in the downgradient wells, indicating that the limits of the nitrate exceedances in groundwater were delineated on site. The findings of that investigation were presented in a Site Characterization Report (CH2M, 2016).

The results of annual groundwater sampling have been documented in annual groundwater monitoring reports submitted to the NMOCD.

## **2.3 GEOLOGY AND HYDROGEOLOGY**

Bechtel Environmental (Bechtel, 1989) and K.W Brown and Associates (K.W. Brown, 1990) summarized the geology and hydrogeology beneath the Blanco Gas Plant during their 1988 and 1990 investigations. According to the investigation results, the plant area is located on Quaternary alluvium consisting of sand, silt, clay, and gravel. The alluvium varies in thickness from less than 3 feet to more than 75 feet (Bechtel, 1989). Beneath the alluvium is the Tertiary Nacimiento Formation, consisting of interbedded, coarse to medium-grained arkosic sandstone, siltstone, and shale which were characterized as channel fill and floodplain deposits. The channel-fill sandstone may locally dictate groundwater flow due to higher hydraulic conductivities in these units.

The direction of groundwater flow was determined to be to the south, towards the San Juan River (Bechtel, 1989). The average hydraulic conductivity was estimated to be  $2.1 \times 10^{-4}$  centimeters per second. Depth to groundwater in monitoring wells constructed within a relict channel (e.g., MW-2) was approximately 50 feet below ground surface (bgs). Depth to groundwater in monitoring wells constructed in the

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Nacimiento Formation (e.g., MW-10) was approximately 9 feet bgs. The results of the Bechtel Environmental investigation were consistent with the findings of the K.W. Brown and Associates investigation.

Historically, the groundwater flow direction of the D Plant Area and South Flare Pit have been presented separately from the former North Flare Pit property to the north. Beginning in 2017, it was determined that the potentiometric surface from the North Flare Pit property and the SFP and D Plant Areas should be depicted together when evaluating the groundwater flow direction.

### **3.0 GROUNDWATER MONITORING ACTIVITIES**

Stantec conducted annual groundwater monitoring at the Blanco Gas Plant SFP and D Plant Areas in November 2024. An electronic mail notification was provided to the NMOCD prior to the start of the groundwater sampling work on October 28, 2024. A copy of the notification is included in Appendix A.

The following sections summarize the activities conducted during 2024.

#### **3.1 DEPTH-TO-WATER MEASUREMENTS**

Site-wide groundwater gauging activities were performed on May 18 and November 4, 2024, and groundwater elevations at nineteen (19) EPNG monitoring wells (MW-8, MW-12 through MW-15, MW-28, MW-29, MW-30, and MW-71 through MW-81) were measured. Monitoring wells MW-12 through MW-15, and MW-71, are associated with the D Plant Area, while the remaining monitoring wells are associated with the SFP. The monitoring wells associated with the North Flare Pit portion of the Blanco Plant were also gauged on May 18 and November 4, 2024, to facilitate an evaluation of the groundwater flow configuration across both the north and south portions of the Blanco Plant.

Well gauging was completed using an oil-water interface probe. The depth to water and depth to light non-aqueous phase liquid (LNAPL), as applicable, was measured at each of the accessed monitoring wells. LNAPL was not encountered during gauging or subsequent sampling at the SFP or D Plant Area. The 2024 groundwater gauging data and resultant groundwater elevations are included with historical gauging data in Table 1.

#### **3.2 GROUNDWATER SAMPLING**

On November 5, 2024, groundwater samples were collected from the EPNG monitoring wells using HydraSleeve™ (HydraSleeve) samplers. The HydraSleeve samplers used to collect the samples were installed in the site monitoring wells following the November 2023 annual groundwater sampling event. Following the 2024 sampling activities, Stantec installed a new Hydrasleeve in each monitoring well to facilitate future groundwater sampling.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and delivered by courier under standard chain-of-custody protocols to Eurofins Environment Testing South Central, LLC (Eurofins) laboratory, in Albuquerque, New Mexico. One laboratory-originated trip blank, two Matrix Spike/Matrix Spike

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Duplicate (MS/MSD), and two blind field duplicate samples were also collected during the groundwater sampling event. The groundwater samples were submitted for analysis of nitrate using United States Environmental Protection Agency (EPA) Method 300.0. Groundwater samples collected from monitoring wells in the D-Plant Area (MW-12 through MW-15, and MW-71) were also analyzed for select VOCs using EPA Method 8260D.

Except for wastewater generated during the sampling of the monitoring wells in the D Plant Area, excess groundwater and decontamination water generated during the sampling event was containerized and transported to the Envirotech, Inc. land farm located in Bloomfield, New Mexico, for disposal. Waste disposal documentation is included in Appendix B. Excess water generated during the sampling of monitoring wells MW-12 through MW-15 and MW-71 was sent with the samples to Eurofins.

Groundwater analytical data were subjected to a validation process for the review of data quality and analytical methods used. The data review focused on the potential impact of laboratory performance and matrix effects on the validity of the analytical results. During the review, sample results that did not meet quality control (QC) acceptance criteria were qualified with flags to indicate a potential problem with the data, as noted on the groundwater analytical data summary tables (Tables 2 and 3). The Stantec data validation report, and associated level IV data packages from Eurofins, are available upon request.

## **4.0 RESULTS AND DISCUSSION**

### **4.1 GROUNDWATER ELEVATION AND GRADIENT**

Groundwater elevation data collected during the May 2024 gauging and November 2024 sampling events is summarized in Table 1. Groundwater elevations indicated the apparent groundwater flow across the site to the south and southeast. Groundwater elevation contour maps for the May and November events are included as Figure 3 and Figure 4, respectively. The groundwater flow configuration across the Blanco Plant is consistent with that reported for the previous gauging event in November 2023.

### **4.2 GROUNDWATER ANALYTICAL RESULTS**

Tables 2 and 3 summarize the November 2024 VOC and nitrate analytical results, respectively. The laboratory analytical reports are included in Appendix C. The following is a summary of findings based on the November 2024 groundwater analytical results:

- 1,1-dichloroethane (1,1-DCA) was detected above the laboratory reporting limit in three of the five samples and the duplicate sample analyzed for VOCs, but not at or above the applicable NMWQCC Standard (0.025 milligrams per liter [mg/L]).
- 1,2-dichlorobenzene (1,2-DCB) was detected above the laboratory reporting limit in one of the five samples analyzed for VOCs. An applicable NMWQCC standard for 1,2- DCB has not been established.
- 1,1-dichloroethene (1,1-DCE) was not detected above the laboratory reporting limit in the five samples analyzed for VOCs.

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- Trans-1,2-dichloroethene (trans-1,2-DCE) was not detected above the laboratory reporting limit in the five samples analyzed for VOCs.
- Cis-1,2-dichloroethene (cis-1,2-DCE) was not detected above the laboratory reporting limit in the five samples analyzed for VOCs.
- Trichloroethene (TCE) was detected above the laboratory reporting limit in one of the five samples analyzed for VOCs, but not at or above the applicable NMWQCC Standard (0.1 mg/L).
- Tetrachloroethene (PCE) was detected above the laboratory reporting limit in one of the five samples analyzed for VOCs but not at or above the applicable NMWQCC Standard (0.02 mg/L).
- Nitrate as nitrogen was detected at concentrations exceeding the NMWQCC standard for nitrate as nitrogen (10 mg/L) in the samples collected from monitoring wells MW-15 (14 mg/L), MW-28 (33 mg/L), MW-29 (110 mg/L), MW-30 (34 mg/L), MW-71 (16 mg/L), MW-73 (43 mg/L), MW-75 (70 mg/L), MW-77 (53 mg/L), MW-78 (12 mg/L), MW-80 (100 mg/L), and MW-81 (36 mg/L). Nitrate as nitrogen was detected at concentrations below the NMWQCC standard for nitrate as nitrogen in the remaining site monitoring wells that were sampled.

Field duplicates were collected from monitoring wells MW-14 and MW-28 during the 2024 sampling event. No significant differences existed between the primary and the duplicate samples. Concentrations of VOCs greater than laboratory reporting limits were not detected in the trip blank submitted for analysis during the 2024 sampling event.

Figure 5 depicts the nitrate as nitrogen concentrations in groundwater samples collected in November 2024.

## **5.0 PLANNED FUTURE ACTIVITIES**

Annual groundwater monitoring is scheduled to continue in 2025. Groundwater samples will be collected from the nineteen (19) site monitoring wells. Field duplicates and a trip blank will also be collected during the groundwater sampling event. The groundwater samples and field duplicates will be submitted for analysis of nitrate using EPA Method 300.0. Monitoring wells MW-12 through MW-15, MW-71, one duplicate sample, and a trip blank will be submitted for analysis of VOCs.

The activities completed in 2025, and their results, will be summarized in the 2025 Annual Groundwater Monitoring Report, to be submitted by April 1, 2026.

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## **6.0 REFERENCES**

Bechtel Environmental, 1989. Groundwater Investigation Report, El Paso Natural Gas Company's Blanco Plant, San Juan County, New Mexico. January 1989.

CH2M, 2016. Site Characterization Report, Blanco Plant South Flare Pit and D Plant Areas, Bloomfield, New Mexico. March 2016.

K.W. Brown and Associates, Inc., 1990. Site Investigation of the Blanco Plant, San Juan County, New Mexico. Prepared for El Paso Natural Gas Company. February 1990.

MWH, 2012. 2011 Groundwater Report for the Blanco Plant South Flare Pit and D Plant Areas. March 2012.

# TABLES

**Table 1**  
**Groundwater Elevation Data**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|-----------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-8</b>     | <b>5581.61</b>             | 9/23/1988           | 28.79                       | 5552.82                               |
|                 |                            | 1/8/1990            | 26.47                       | 5555.14                               |
|                 |                            | 6/18/1991           | NA                          | NA                                    |
|                 |                            | 2/19/1993           | NA                          | NA                                    |
|                 |                            | 6/7/1993            | NA                          | NA                                    |
|                 |                            | 9/27/1993           | NA                          | NA                                    |
|                 |                            | 1/27/1994           | NA                          | NA                                    |
|                 |                            | 11/10/2000          | NA                          | NA                                    |
|                 |                            | 3/23/2001           | NA                          | NA                                    |
|                 |                            | 8/28/2001           | 35.76                       | 5545.85                               |
|                 |                            | 5/28/2002           | NA                          | NA                                    |
|                 |                            | 6/3/2003            | 34.05                       | 5547.56                               |
|                 |                            | 5/17/2004           | 34.41                       | 5547.20                               |
|                 |                            | 5/31/2005           | 34.66                       | 5546.95                               |
|                 |                            | 6/8/2006            | 34.69                       | 5546.92                               |
|                 |                            | 6/20/2007           | 33.60                       | 5548.01                               |
|                 |                            | 5/22/2008           | 33.22                       | 5548.39                               |
|                 |                            | 5/28/2009           | 33.96                       | 5547.65                               |
|                 |                            | 5/25/2010           | 34.40                       | 5547.21                               |
|                 |                            | 10/19/2011          | Dry                         | Dry                                   |
|                 |                            | 12/18/2013          | Dry                         | Dry                                   |
|                 |                            | 12/15/2014          | NM                          | NM                                    |
|                 |                            | 12/16/2015          | Dry                         | Dry                                   |
|                 |                            | 12/14/2016          | 29.31                       | 5552.30                               |
|                 |                            | 11/15/2017          | 32.06                       | 5549.55                               |
|                 |                            | 1/28/2018           | 32.30                       | 5549.31                               |
|                 |                            | 11/15/2018          | 29.54                       | 5552.07                               |
|                 |                            | 4/16/2019           | 26.38                       | 5555.23                               |
|                 |                            | 9/23/2019           | 26.82                       | 5554.79                               |
|                 |                            | 10/15/2019          | 26.05                       | 5555.56                               |
|                 |                            | 11/17/2020          | 28.41                       | 5553.20                               |
|                 |                            | 11/9/2021           | 31.23                       | 5550.38                               |
|                 |                            | 11/1/2022           | 32.50                       | 5549.11                               |
|                 |                            | 11/10/2023          | 33.72                       | 5547.89                               |
|                 |                            | 5/18/2024           | 34.01                       | 5547.60                               |
|                 |                            | 11/4/2024           | 34.03                       | 5547.58                               |
| <b>MW-12</b>    | <b>5605.04</b>             | 5/28/2002           | 20.95                       | 5584.09                               |
|                 |                            | 6/3/2003            | 16.99                       | 5588.05                               |
|                 |                            | 5/17/2004           | 16.59                       | 5588.45                               |
|                 |                            | 5/31/2005           | 15.65                       | 5589.39                               |
|                 |                            | 6/8/2006            | 18.62                       | 5586.42                               |
|                 |                            | 6/20/2007           | 16.55                       | 5588.49                               |
|                 |                            | 5/22/2008           | 16.04                       | 5589.00                               |
|                 |                            | 5/28/2009           | 17.20                       | 5587.84                               |
|                 |                            | 5/24/2010           | 15.90                       | 5589.14                               |
|                 |                            | 10/19/2011          | 16.94                       | 5588.10                               |
|                 |                            | 12/18/2013          | 18.02                       | 5587.02                               |
|                 |                            | 12/15/2014          | 18.50                       | 5586.54                               |
|                 |                            | 2/10/2015           | 18.32                       | 5586.72                               |
|                 |                            | 12/16/2015          | 17.13                       | 5587.91                               |

**Table 1**  
**Groundwater Elevation Data**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well      | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|----------------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-12 (cont.)</b> | <b>5605.04</b>             | 12/14/2016          | 16.15                       | 5588.89                               |
|                      |                            | 11/15/2017          | 17.08                       | 5587.96                               |
|                      |                            | 1/29/2018           | 19.21                       | 5585.83                               |
|                      |                            | 11/15/2018          | 18.46                       | 5586.58                               |
|                      |                            | 4/16/2019           | 15.91                       | 5589.13                               |
|                      |                            | 9/23/2019           | 16.49                       | 5588.55                               |
|                      |                            | 10/15/2019          | 16.98                       | 5588.06                               |
|                      |                            | 11/17/2020          | 18.20                       | 5586.84                               |
|                      |                            | 11/9/2021           | 17.61                       | 5587.43                               |
|                      |                            | 11/1/2022           | 16.44                       | 5588.60                               |
|                      |                            | 11/10/2023          | 17.47                       | 5587.57                               |
|                      |                            | 5/18/2024           | 17.54                       | 5587.50                               |
|                      |                            | 11/4/2024           | 16.84                       | 5588.20                               |
| <b>MW-13</b>         | <b>5600.64</b>             | 5/28/2002           | 16.76                       | 5583.88                               |
|                      |                            | 6/3/2003            | 14.44                       | 5586.20                               |
|                      |                            | 5/17/2004           | 14.12                       | 5586.52                               |
|                      |                            | 5/31/2005           | 13.43                       | 5587.21                               |
|                      |                            | 6/8/2006            | 15.60                       | 5585.04                               |
|                      |                            | 6/20/2007           | 14.33                       | 5586.31                               |
|                      |                            | 5/22/2008           | 13.91                       | 5586.73                               |
|                      |                            | 5/28/2009           | 14.55                       | 5586.09                               |
|                      |                            | 5/25/2010           | 14.60                       | 5586.04                               |
|                      |                            | 10/19/2011          | 13.65                       | 5586.99                               |
|                      |                            | 12/18/2013          | 14.95                       | 5585.69                               |
|                      |                            | 12/15/2014          | 15.17                       | 5585.47                               |
|                      |                            | 2/10/2015           | 14.35                       | 5586.29                               |
|                      |                            | 12/16/2015          | 14.38                       | 5586.26                               |
|                      |                            | 12/14/2016          | 13.77                       | 5586.87                               |
|                      |                            | 11/15/2017          | 14.26                       | 5586.38                               |
|                      |                            | 1/28/2018           | 15.52                       | 5585.12                               |
|                      |                            | 11/15/2018          | 15.90                       | 5584.74                               |
|                      |                            | 4/16/2019           | 13.20                       | 5587.44                               |
|                      |                            | 9/23/2019           | 13.81                       | 5586.83                               |
|                      |                            | 10/15/2019          | 14.24                       | 5586.40                               |
|                      |                            | 11/17/2020          | 15.09                       | 5585.55                               |
|                      |                            | 11/9/2021           | 14.67                       | 5585.97                               |
|                      |                            | 11/1/2022           | 13.61                       | 5587.03                               |
|                      |                            | 11/10/2023          | 14.62                       | 5586.02                               |
|                      |                            | 5/18/2024           | 15.12                       | 5585.52                               |
|                      |                            | 11/4/2024           | 13.71                       | 5586.93                               |
| <b>MW-14</b>         | <b>5601.54</b>             | 5/28/2002           | 21.57                       | 5579.97                               |
|                      |                            | 6/3/2003            | 19.85                       | 5581.69                               |
|                      |                            | 5/17/2004           | 19.78                       | 5581.76                               |
|                      |                            | 5/31/2005           | 18.81                       | 5582.73                               |
|                      |                            | 6/8/2006            | 20.03                       | 5581.51                               |
|                      |                            | 6/20/2007           | 18.43                       | 5583.11                               |
|                      |                            | 5/22/2008           | 16.20                       | 5585.34                               |
|                      |                            | 5/28/2009           | 16.30                       | 5585.24                               |
|                      |                            | 5/25/2010           | 15.55                       | 5585.99                               |
|                      |                            | 10/19/2011          | 15.03                       | 5586.51                               |
|                      |                            | 12/18/2013          | 15.90                       | 5585.64                               |
|                      |                            | 12/15/2014          | 16.06                       | 5585.48                               |



**Table 1**  
**Groundwater Elevation Data**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well      | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|----------------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-14 (cont.)</b> | <b>5601.54</b>             | 2/10/2015           | 15.55                       | 5585.99                               |
|                      |                            | 12/16/2015          | 15.42                       | 5586.12                               |
|                      |                            | 12/14/2016          | 14.91                       | 5586.63                               |
|                      |                            | 11/15/2017          | 15.35                       | 5586.19                               |
|                      |                            | 1/28/2018           | 16.62                       | 5584.92                               |
|                      |                            | 11/15/2018          | 16.00                       | 5585.54                               |
|                      |                            | 4/16/2019           | 14.35                       | 5587.19                               |
|                      |                            | 9/23/2019           | 14.91                       | 5586.63                               |
|                      |                            | 10/15/2019          | 15.19                       | 5586.35                               |
|                      |                            | 11/17/2020          | 16.13                       | 5585.41                               |
|                      |                            | 11/9/2021           | 15.64                       | 5585.90                               |
|                      |                            | 11/1/2022           | 14.62                       | 5586.92                               |
|                      |                            | 11/10/2023          | 15.65                       | 5585.89                               |
|                      |                            | 5/18/2024           | 15.98                       | 5585.56                               |
|                      |                            | 11/4/2024           | 14.44                       | 5587.10                               |
| <b>MW-15</b>         | <b>5599.82</b>             | 5/28/2002           | 20.33                       | 5579.49                               |
|                      |                            | 6/3/2003            | 18.85                       | 5580.97                               |
|                      |                            | 5/17/2004           | 18.48                       | 5581.35                               |
|                      |                            | 5/31/2005           | 17.80                       | 5582.02                               |
|                      |                            | 6/8/2006            | 19.68                       | 5580.14                               |
|                      |                            | 6/20/2007           | 18.83                       | 5580.99                               |
|                      |                            | 5/22/2008           | 18.12                       | 5581.70                               |
|                      |                            | 5/28/2009           | 18.83                       | 5580.99                               |
|                      |                            | 5/25/2010           | 18.53                       | 5581.29                               |
|                      |                            | 10/19/2011          | 18.02                       | 5581.80                               |
|                      |                            | 12/18/2013          | 19.24                       | 5580.58                               |
|                      |                            | 12/15/2014          | 19.29                       | 5580.53                               |
|                      |                            | 2/10/2015           | 19.56                       | 5580.26                               |
|                      |                            | 12/16/2015          | 18.45                       | 5581.37                               |
|                      |                            | 12/14/2016          | 18.92                       | 5580.90                               |
|                      |                            | 11/15/2017          | 18.80                       | 5581.02                               |
|                      |                            | 1/28/2018           | 19.88                       | 5579.94                               |
|                      |                            | 11/15/2018          | 19.42                       | 5580.40                               |
|                      |                            | 4/16/2019           | 19.45                       | 5580.37                               |
|                      |                            | 9/23/2019           | 18.66                       | 5581.16                               |
|                      |                            | 10/15/2019          | 18.81                       | 5581.01                               |
|                      |                            | 11/17/2020          | 19.41                       | 5580.41                               |
|                      |                            | 11/9/2021           | 19.01                       | 5580.81                               |
|                      |                            | 11/1/2022           | 18.21                       | 5581.61                               |
|                      |                            | 11/10/2023          | 18.61                       | 5581.21                               |
|                      |                            | 5/18/2024           | 19.95                       | 5579.87                               |
|                      |                            | 11/4/2024           | 18.29                       | 5581.53                               |
| <b>MW-28</b>         | <b>5575.88</b>             | 10/7/1993           | 23.12                       | 5552.76                               |
|                      |                            | 2/2/1994            | NA                          | NA                                    |
|                      |                            | 8/20/1994           | NA                          | NA                                    |
|                      |                            | 12/20/1994          | NA                          | NA                                    |
|                      |                            | 2/16/1995           | NA                          | NA                                    |
|                      |                            | 8/10/2000           | NA                          | NA                                    |
|                      |                            | 11/10/2000          | NA                          | NA                                    |
|                      |                            | 3/23/2001           | NA                          | NA                                    |
|                      |                            | 8/28/2001           | NA                          | NA                                    |
|                      |                            | 5/28/2002           | NA                          | NA                                    |

**Table 1**  
**Groundwater Elevation Data**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well      | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|----------------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-28 (cont.)</b> | <b>5575.88</b>             | 6/3/2003            | 29.68                       | 5546.20                               |
|                      |                            | 5/17/2004           | 30.71                       | 5545.17                               |
|                      |                            | 5/31/2005           | 30.22                       | 5545.66                               |
|                      |                            | 6/8/2006            | 29.30                       | 5546.58                               |
|                      |                            | 6/20/2007           | 28.58                       | 5547.30                               |
|                      |                            | 5/22/2008           | 29.04                       | 5546.84                               |
|                      |                            | 5/28/2009           | 28.66                       | 5547.22                               |
|                      |                            | 5/25/2010           | 29.79                       | 5546.09                               |
|                      |                            | 10/19/2011          | 27.47                       | 5548.41                               |
|                      |                            | 12/18/2013          | 27.90                       | 5547.98                               |
|                      |                            | 12/15/2014          | 27.80                       | 5548.08                               |
|                      |                            | 2/10/2015           | 28.84                       | 5547.04                               |
|                      |                            | 12/16/2015          | 26.38                       | 5549.50                               |
|                      |                            | 12/14/2016          | 27.71                       | 5548.17                               |
|                      |                            | 11/15/2017          | 26.25                       | 5549.63                               |
|                      |                            | 1/28/2018           | 27.82                       | 5548.06                               |
|                      |                            | 11/15/2018          | 31.62                       | 5544.26                               |
|                      |                            | 4/16/2019           | 30.01                       | 5545.87                               |
|                      |                            | 9/23/2019           | 27.21                       | 5548.67                               |
|                      |                            | 10/15/2019          | 27.05                       | 5548.83                               |
|                      |                            | 11/17/2020          | 25.92                       | 5549.96                               |
|                      |                            | 11/9/2021           | 25.83                       | 5550.05                               |
|                      |                            | 11/1/2022           | 26.17                       | 5549.71                               |
|                      |                            | 11/10/2023          | 27.13                       | 5548.75                               |
|                      |                            | 5/18/2024           | 28.33                       | 5547.55                               |
|                      |                            | 11/4/2024           | 25.19                       | 5550.69                               |
| <b>MW-29</b>         | <b>5578.40</b>             | 10/7/1993           | 26.40                       | 5552.00                               |
|                      |                            | 2/2/1994            | NA                          | NA                                    |
|                      |                            | 8/20/1994           | NA                          | NA                                    |
|                      |                            | 12/20/1994          | NA                          | NA                                    |
|                      |                            | 2/16/1995           | NA                          | NA                                    |
|                      |                            | 8/10/2000           | NA                          | NA                                    |
|                      |                            | 11/10/2000          | NA                          | NA                                    |
|                      |                            | 3/26/2001           | NA                          | NA                                    |
|                      |                            | 8/28/2001           | NA                          | NA                                    |
|                      |                            | 5/28/2002           | NA                          | NA                                    |
|                      |                            | 6/3/2003            | 31.86                       | 5546.54                               |
|                      |                            | 5/17/2004           | 32.21                       | 5546.19                               |
|                      |                            | 5/31/2005           | 32.21                       | 5546.19                               |
|                      |                            | 6/8/2006            | 31.77                       | 5546.63                               |
|                      |                            | 6/20/2007           | 30.86                       | 5547.54                               |
|                      |                            | 5/22/2008           | 30.17                       | 5548.23                               |
|                      |                            | 5/28/2009           | 31.80                       | 5546.60                               |
|                      |                            | 5/25/2010           | 31.87                       | 5546.53                               |
|                      |                            | 10/19/2011          | 30.02                       | 5548.38                               |
|                      |                            | 12/18/2013          | 30.75                       | 5547.65                               |
|                      |                            | 12/15/2014          | 30.86                       | 5547.54                               |
|                      |                            | 2/10/2015           | 31.69                       | 5546.71                               |
|                      |                            | 12/16/2015          | 29.65                       | 5548.75                               |
|                      |                            | 12/14/2016          | 29.65                       | 5548.75                               |

**Table 1**  
**Groundwater Elevation Data**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well      | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|----------------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-29 (cont.)</b> | <b>5578.40</b>             | 11/15/2017          | 29.10                       | 5549.30                               |
|                      |                            | 1/28/2018           | 30.69                       | 5547.71                               |
|                      |                            | 11/15/2018          | 29.39                       | 5549.01                               |
|                      |                            | 4/16/2019           | 32.32                       | 5546.08                               |
|                      |                            | 9/23/2019           | 29.85                       | 5548.55                               |
|                      |                            | 10/15/2019          | 29.72                       | 5548.68                               |
|                      |                            | 11/17/2020          | 29.03                       | 5549.37                               |
|                      |                            | 11/9/2021           | 28.89                       | 5549.51                               |
|                      |                            | 11/1/2022           | 28.10                       | 5550.30                               |
|                      |                            | 11/10/2023          | 29.34                       | 5549.06                               |
|                      |                            | 5/18/2024           | 30.11                       | 5548.29                               |
|                      |                            | 11/4/2024           | 27.79                       | 5550.61                               |
| <b>MW-30</b>         | <b>5578.39</b>             | 10/7/1993           | 25.63                       | 5552.76                               |
|                      |                            | 2/2/1994            | NA                          | NA                                    |
|                      |                            | 8/20/1994           | NA                          | NA                                    |
|                      |                            | 2/16/1995           | NA                          | NA                                    |
|                      |                            | 8/10/2000           | NA                          | NA                                    |
|                      |                            | 11/10/2000          | NA                          | NA                                    |
|                      |                            | 3/26/2001           | NA                          | NA                                    |
|                      |                            | 8/28/2001           | NA                          | NA                                    |
|                      |                            | 5/28/2002           | NA                          | NA                                    |
|                      |                            | 6/3/2003            | NA                          | NA                                    |
|                      |                            | 5/17/2004           | 32.21                       | 5546.18                               |
|                      |                            | 5/31/2005           | 32.28                       | 5546.11                               |
|                      |                            | 6/8/2006            | 31.74                       | 5546.65                               |
|                      |                            | 6/20/2007           | 31.01                       | 5547.38                               |
|                      |                            | 5/22/2008           | 31.20                       | 5547.19                               |
|                      |                            | 5/28/2009           | 31.85                       | 5546.54                               |
|                      |                            | 5/25/2010           | 31.91                       | 5546.48                               |
|                      |                            | 10/19/2011          | 30.24                       | 5548.15                               |
|                      |                            | 12/18/2013          | 30.55                       | 5547.84                               |
|                      |                            | 12/15/2014          | 30.46                       | 5547.93                               |
|                      |                            | 2/10/2015           | 30.46                       | 5547.93                               |
|                      |                            | 12/16/2015          | 28.55                       | 5549.84                               |
|                      |                            | 12/14/2016          | 29.26                       | 5549.13                               |
|                      |                            | 11/15/2017          | 28.81                       | 5549.58                               |
|                      |                            | 1/28/2018           | 30.09                       | 5548.30                               |
|                      |                            | 11/15/2018          | 29.25                       | 5549.14                               |
|                      |                            | 4/16/2019           | 31.86                       | 5546.53                               |
|                      |                            | 9/23/2019           | 29.94                       | 5548.45                               |
|                      |                            | 10/15/2019          | 29.80                       | 5548.59                               |
|                      |                            | 11/17/2020          | 28.43                       | 5549.96                               |
|                      |                            | 11/9/2021           | 28.51                       | 5549.88                               |
|                      |                            | 11/1/2022           | 28.88                       | 5549.51                               |
|                      |                            | 11/10/2023          | 29.62                       | 5548.77                               |
|                      |                            | 5/18/2024           | 28.52                       | 5549.87                               |
|                      |                            | 11/4/2024           | 27.86                       | 5550.53                               |
| <b>MW-71</b>         | <b>5596.32</b>             | 2/10/2015           | 25.14                       | 5571.18                               |
|                      |                            | 12/16/2015          | 21.80                       | 5574.52                               |
|                      |                            | 12/14/2016          | 23.71                       | 5572.61                               |
|                      |                            | 11/15/2017          | 22.40                       | 5573.92                               |
|                      |                            | 1/28/2018           | 24.26                       | 5572.06                               |

**Table 1**  
**Groundwater Elevation Data**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well      | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|----------------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-71 (cont.)</b> | <b>5596.32</b>             | 11/15/2018          | 24.85                       | 5571.47                               |
|                      |                            | 4/16/2019           | 26.95                       | 5569.37                               |
|                      |                            | 9/23/2019           | 23.69                       | 5572.63                               |
|                      |                            | 10/15/2019          | 23.78                       | 5572.54                               |
|                      |                            | 11/17/2020          | 24.78                       | 5571.54                               |
|                      |                            | 11/9/2021           | 24.41                       | 5571.91                               |
|                      |                            | 11/1/2022           | 23.08                       | 5573.24                               |
|                      |                            | 11/10/2023          | 23.09                       | 5573.23                               |
|                      |                            | 5/18/2024           | 28.52                       | 5567.80                               |
|                      |                            | 11/4/2024           | 23.72                       | 5572.60                               |
| <b>MW-72</b>         | <b>5569.51</b>             | 2/11/2015           | 20.90                       | 5548.61                               |
|                      |                            | 12/16/2015          | 18.66                       | 5550.85                               |
|                      |                            | 12/14/2016          | 17.89                       | 5551.62                               |
|                      |                            | 11/15/2017          | 17.94                       | 5551.57                               |
|                      |                            | 1/28/2018           | 20.55                       | 5548.96                               |
|                      |                            | 11/15/2018          | 18.46                       | 5551.05                               |
|                      |                            | 4/16/2019           | 21.30                       | 5548.21                               |
|                      |                            | 9/23/2019           | 18.58                       | 5550.93                               |
|                      |                            | 10/15/2019          | 18.65                       | 5550.86                               |
|                      |                            | 11/17/2020          | 17.71                       | 5551.80                               |
|                      |                            | 11/9/2021           | 17.22                       | 5552.29                               |
|                      |                            | 11/1/2022           | 17.13                       | 5552.38                               |
|                      |                            | 11/10/2023          | 19.33                       | 5550.18                               |
|                      |                            | 5/18/2024           | 20.79                       | 5548.72                               |
|                      |                            | 11/4/2024           | 16.46                       | 5553.05                               |
| <b>MW-73</b>         | <b>5578.70</b>             | 2/11/2015           | 31.80                       | 5546.90                               |
|                      |                            | 12/16/2015          | 29.56                       | 5549.14                               |
|                      |                            | 12/14/2016          | 29.64                       | 5549.06                               |
|                      |                            | 11/15/2017          | 29.13                       | 5549.57                               |
|                      |                            | 1/28/2018           | 30.63                       | 5548.07                               |
|                      |                            | 11/15/2018          | 29.50                       | 5549.20                               |
|                      |                            | 4/16/2019           | 32.35                       | 5546.35                               |
|                      |                            | 9/23/2019           | 29.95                       | 5548.75                               |
|                      |                            | 10/15/2019          | 29.83                       | 5548.87                               |
|                      |                            | 11/17/2020          | 28.99                       | 5549.71                               |
|                      |                            | 11/9/2021           | 28.91                       | 5549.79                               |
|                      |                            | 11/1/2022           | 29.12                       | 5549.58                               |
|                      |                            | 11/10/2023          | 29.38                       | 5549.32                               |
|                      |                            | 5/18/2024           | 30.21                       | 5548.49                               |
|                      |                            | 11/4/2024           | 27.66                       | 5551.04                               |
| <b>MW-74</b>         | <b>5571.47</b>             | 2/11/2015           | 25.90                       | 5545.57                               |
|                      |                            | 12/16/2015          | 23.88                       | 5547.59                               |
|                      |                            | 12/14/2016          | 23.41                       | 5548.06                               |
|                      |                            | 11/15/2017          | 22.73                       | 5548.74                               |
|                      |                            | 1/28/2018           | 25.15                       | 5546.32                               |
|                      |                            | 11/15/2018          | 22.75                       | 5548.72                               |
|                      |                            | 4/16/2019           | 28.84                       | 5542.63                               |
|                      |                            | 9/23/2019           | 22.88                       | 5548.59                               |
|                      |                            | 10/15/2019          | 22.75                       | 5548.72                               |
|                      |                            | 11/17/2020          | 21.12                       | 5550.35                               |
|                      |                            | 11/9/2021           | 21.77                       | 5549.70                               |
|                      |                            | 11/1/2022           | 22.26                       | 5549.21                               |
|                      |                            | 11/10/2023          | 23.57                       | 5547.90                               |
|                      |                            | 5/18/2024           | 23.90                       | 5547.57                               |
|                      |                            | 11/4/2024           | 21.64                       | 5549.83                               |

**Table 1**  
**Groundwater Elevation Data**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|-----------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-75</b>    | <b>5582.66</b>             | 2/10/2015           | 34.17                       | 5548.49                               |
|                 |                            | 12/16/2015          | 32.28                       | 5550.38                               |
|                 |                            | 12/14/2016          | 31.49                       | 5551.17                               |
|                 |                            | 11/15/2017          | 32.06                       | 5550.60                               |
|                 |                            | 1/28/2018           | 32.69                       | 5549.97                               |
|                 |                            | 11/15/2018          | 29.60                       | 5553.06                               |
|                 |                            | 4/16/2019           | 27.15                       | 5555.51                               |
|                 |                            | 9/23/2019           | 27.12                       | 5555.54                               |
|                 |                            | 10/15/2019          | 26.56                       | 5556.10                               |
|                 |                            | 11/17/2020          | 29.95                       | 5552.71                               |
|                 |                            | 11/9/2021           | 32.22                       | 5550.44                               |
|                 |                            | 11/1/2022           | 32.31                       | 5550.35                               |
|                 |                            | 11/10/2023          | 33.27                       | 5549.39                               |
|                 |                            | 5/18/2024           | 34.33                       | 5548.33                               |
|                 |                            | 11/4/2024           | 32.67                       | 5549.99                               |
| <b>MW-76</b>    | <b>5567.13</b>             | 2/11/2015           | 19.53                       | 5547.60                               |
|                 |                            | 12/16/2015          | 16.20                       | 5550.93                               |
|                 |                            | 12/14/2016          | 16.51                       | 5550.62                               |
|                 |                            | 11/15/2017          | 15.81                       | 5551.32                               |
|                 |                            | 1/28/2018           | 19.35                       | 5547.78                               |
|                 |                            | 11/15/2018          | 15.48                       | 5551.65                               |
|                 |                            | 4/16/2019           | 19.19                       | 5547.94                               |
|                 |                            | 9/23/2019           | 14.26                       | 5552.87                               |
|                 |                            | 10/15/2019          | 14.71                       | 5552.42                               |
|                 |                            | 11/17/2020          | 15.05                       | 5552.08                               |
|                 |                            | 11/9/2021           | 14.12                       | 5553.01                               |
|                 |                            | 11/1/2022           | 14.33                       | 5552.80                               |
|                 |                            | 11/10/2023          | 16.48                       | 5550.65                               |
|                 |                            | 5/18/2024           | 14.78                       | 5552.35                               |
|                 |                            | 11/4/2024           | 13.57                       | 5553.56                               |
| <b>MW-77</b>    | <b>5574.52</b>             | 2/11/2015           | 24.55                       | 5549.97                               |
|                 |                            | 12/16/2015          | 22.00                       | 5552.52                               |
|                 |                            | 12/14/2016          | 15.67                       | 5558.85                               |
|                 |                            | 11/15/2017          | 21.39                       | 5553.13                               |
|                 |                            | 1/28/2018           | 23.48                       | 5551.04                               |
|                 |                            | 11/15/2018          | 23.20                       | 5551.32                               |
|                 |                            | 4/16/2019           | 23.39                       | 5551.13                               |
|                 |                            | 9/23/2019           | 23.52                       | 5551.00                               |
|                 |                            | 10/15/2019          | 23.59                       | 5550.93                               |
|                 |                            | 11/17/2020          | 22.48                       | 5552.04                               |
|                 |                            | 11/9/2021           | 22.40                       | 5552.12                               |
|                 |                            | 11/1/2022           | 21.07                       | 5553.45                               |
|                 |                            | 11/10/2023          | 21.64                       | 5552.88                               |
|                 |                            | 5/18/2024           | 26.00                       | 5548.52                               |
|                 |                            | 11/4/2024           | 22.01                       | 5552.51                               |
| <b>MW-78</b>    | <b>5576.27</b>             | 2/11/2015           | 29.58                       | 5546.69                               |
|                 |                            | 12/16/2015          | 26.67                       | 5549.60                               |
|                 |                            | 12/14/2016          | 27.63                       | 5548.64                               |
|                 |                            | 11/15/2017          | 26.30                       | 5549.97                               |
|                 |                            | 1/28/2018           | 28.41                       | 5547.86                               |
|                 |                            | 11/15/2018          | 26.73                       | 5549.54                               |
|                 |                            | 4/16/2019           | 30.01                       | 5546.26                               |
|                 |                            | 9/23/2019           | 27.33                       | 5548.94                               |
|                 |                            | 10/15/2019          | 27.30                       | 5548.97                               |

**Table 1**  
**Groundwater Elevation Data**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well      | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|----------------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-78 (cont.)</b> | <b>5576.27</b>             | 11/17/2020          | 25.99                       | 5550.28                               |
|                      |                            | 11/9/2021           | 25.92                       | 5550.35                               |
|                      |                            | 11/1/2022           | 26.16                       | 5550.11                               |
|                      |                            | 11/10/2023          | 27.11                       | 5549.16                               |
|                      |                            | 5/18/2024           | 28.08                       | 5548.19                               |
|                      |                            | 11/4/2024           | 25.23                       | 5551.04                               |
| <b>MW-79</b>         | <b>5583.35</b>             | 2/11/2015           | 35.67                       | 5547.68                               |
|                      |                            | 12/16/2015          | 33.73                       | 5549.62                               |
|                      |                            | 12/14/2016          | 33.74                       | 5549.61                               |
|                      |                            | 11/15/2017          | 33.17                       | 5550.18                               |
|                      |                            | 1/28/2018           | 34.35                       | 5549.00                               |
|                      |                            | 11/15/2018          | 33.57                       | 5549.78                               |
|                      |                            | 4/16/2019           | 35.96                       | 5547.39                               |
|                      |                            | 9/23/2019           | 34.12                       | 5549.23                               |
|                      |                            | 10/15/2019          | 33.98                       | 5549.37                               |
|                      |                            | 11/17/2020          | 33.39                       | 5549.96                               |
|                      |                            | 11/9/2021           | 33.29                       | 5550.06                               |
|                      |                            | 11/1/2022           | 33.38                       | 5549.97                               |
|                      |                            | 11/10/2023          | 32.71                       | 5550.64                               |
|                      |                            | 5/18/2024           | 33.55                       | 5549.80                               |
|                      |                            | 11/4/2024           | 30.96                       | 5552.39                               |
| <b>MW-80</b>         | <b>5587.40</b>             | 2/10/2015           | 29.43                       | 5557.97                               |
|                      |                            | 12/16/2015          | 26.65                       | 5560.75                               |
|                      |                            | 12/14/2016          | 28.82                       | 5558.58                               |
|                      |                            | 11/15/2017          | 27.49                       | 5559.91                               |
|                      |                            | 1/28/2018           | 28.81                       | 5558.59                               |
|                      |                            | 11/15/2018          | 30.50                       | 5556.90                               |
|                      |                            | 4/16/2019           | 30.51                       | 5556.89                               |
|                      |                            | 9/23/2019           | 27.50                       | 5559.90                               |
|                      |                            | 10/15/2019          | 27.56                       | 5559.84                               |
|                      |                            | 11/17/2020          | 30.90                       | 5556.50                               |
|                      |                            | 11/9/2021           | 31.70                       | 5555.70                               |
|                      |                            | 11/1/2022           | 32.04                       | 5555.36                               |
|                      |                            | 11/10/2023          | 28.25                       | 5559.15                               |
|                      |                            | 5/18/2024           | 30.47                       | 5556.93                               |
|                      |                            | 11/4/2024           | 30.79                       | 5556.61                               |
| <b>MW-81</b>         | <b>5576.50</b>             | 2/11/2015           | 30.25                       | 5546.25                               |
|                      |                            | 12/16/2015          | 28.03                       | 5548.47                               |
|                      |                            | 12/14/2016          | 27.95                       | 5548.55                               |
|                      |                            | 11/15/2017          | 27.39                       | 5549.11                               |
|                      |                            | 1/28/2018           | 29.08                       | 5547.42                               |
|                      |                            | 11/15/2018          | 27.78                       | 5548.72                               |
|                      |                            | 4/16/2019           | 30.78                       | 5545.72                               |
|                      |                            | 9/23/2019           | 28.10                       | 5548.40                               |
|                      |                            | 10/15/2019          | 27.98                       | 5548.52                               |
|                      |                            | 11/17/2020          | 27.25                       | 5549.25                               |
|                      |                            | 11/9/2021           | 27.03                       | 5549.47                               |
|                      |                            | 11/1/2022           | 27.32                       | 5549.18                               |
|                      |                            | 11/10/2023          | 27.88                       | 5548.62                               |
|                      |                            | 5/18/2024           | 28.67                       | 5547.83                               |
|                      |                            | 11/4/2024           | 26.03                       | 5550.47                               |

**Notes:**

ft amsl = Feet above mean sea level.

ft btoc = Feet below top of casing.

NA = Historical data is not available.

NM = Not measured.

TOC = Top of casing.

Data from monitoring wells abandoned prior to 2018 have been removed from the table.

**Table 2**  
**Summary of Groundwater Volatile Organic Compound Analytical Results**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well                | Sample Date | 1,1-DCA      | 1,2-DCB    | 1,1-DCE      | trans-1,2-DCE | cis-1,2-DCE | TCE        | PCE         |
|--------------------------------|-------------|--------------|------------|--------------|---------------|-------------|------------|-------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>0.025</b> | <b>NE</b>  | <b>0.005</b> | <b>NE</b>     | <b>0.07</b> | <b>0.1</b> | <b>0.02</b> |
| <b>MW-12</b>                   | 5/28/2002   | 0.021        | 0.0052     | <0.001       | 0.0017        | 0.02        | 0.008      | 0.003       |
|                                | 6/3/2003    | 0.0082       | 0.0034     | <0.002       | <0.002        | 0.0082      | 0.0045     | 0.0032      |
|                                | 5/17/2004   | 0.0046       | 0.0034     | <0.002       | <0.002        | 0.0051      | 0.004      | 0.0023      |
|                                | 5/31/2005   | 0.0223       | <0.002     | <0.002       | <0.002        | 0.0188      | 0.0207     | <0.002      |
|                                | 6/8/2006    | 0.0087       | 0.0045     | <0.002       | 0.00087       | 0.0107      | 0.0047     | 0.0025      |
|                                | 6/20/2007   | 0.0036       | 0.003      | <0.002       | <0.002        | 0.0044      | 0.003      | 0.0019      |
|                                | 5/22/2008   | 0.0061       | 0.0053     | <0.002       | 0.00069       | 0.0082      | 0.0031     | 0.0024      |
|                                | 5/28/2009   | 0.0042       | 0.0041     | <0.002       | <0.002        | 0.005       | 0.0026     | 0.002       |
|                                | 5/24/2010   | 0.0029       | 0.0039     | <0.0021      | 0.00052       | 0.0049      | 0.0025     | 0.0019      |
|                                | 10/19/2011  | 0.0035       | 0.0052     | <0.002       | 0.00079       | 0.0065      | 0.0029     | 0.0022      |
|                                | 12/18/2013  | 0.00253      | NA         | <0.00019     | 0.000384 J    | 0.00377     | 0.00193    | 0.0015      |
|                                | 12/16/2014  | 0.00181      | NA         | <0.00019     | 0.000314      | 0.00244     | 0.00181    | 0.00123     |
|                                | 2/10/2015   | 0.00136      | NA         | 0.000192     | 0.000321      | 0.00166     | 0.00186    | 0.00185     |
|                                | 12/16/2015  | 0.000982     | NA         | <0.000192    | <0.000192     | 0.00125     | 0.00145    | 0.00172     |
|                                | 12/14/2016  | 0.000466 J   | NA         | <0.000192    | <0.000192     | 0.000549 J  | 0.00101    | 0.00134     |
|                                | 11/15/2017  | 0.000508 J   | 0.000976 J | <0.000192    | <0.000192     | <0.000157   | 0.00102    | 0.00138     |
|                                | 11/15/2018  | 0.000700 J   | 0.000891 J | <0.000192    | <0.000192     | 0.000364 J  | 0.001      | 0.00116     |
|                                | 10/16/2019  | 0.000951 J   | 0.00184 J  | <0.000192    | <0.000192     | 0.00138 J   | 0.00111    | 0.00143 J   |
|                                | 11/18/2020  | 0.00072 J    | 0.0006 J   | <0.00050     | <0.00050      | <0.00050    | 0.00086 J  | 0.00075 J   |
|                                | 11/9/2021   | <0.00050     | <0.00050   | <0.00050     | <0.00050      | <0.00020    | 0.00067 J  | 0.00061 J   |
|                                | 11/3/2022   | 0.00060 J    | 0.00098 J  | <0.00050     | <0.00050      | 0.00043 J   | 0.00081 J  | 0.00099 J   |
|                                | 11/14/2023  | <0.00050     | 0.0013     | <0.00050     | <0.00050      | 0.00053 J   | 0.00059 J  | <0.00090    |
|                                | 11/5/2024   | 0.00041 J    | 0.00072 J  | <0.00020     | <0.00019      | <0.00039    | 0.00078 J  | <0.00016    |
| <b>MW-13</b>                   | 5/28/2002   | 0.061        | 0.079      | 0.0013       | 0.0082        | 0.045       | 0.039      | 0.0016      |
|                                | 6/3/2003    | 0.0538       | 0.0505     | 0.0014       | 0.0082        | 0.033       | 0.0351     | 0.0014      |
|                                | 5/17/2004   | 0.0412       | 0.0292     | <0.002       | 0.004         | 0.0212      | 0.0225     | <0.002      |
|                                | 5/31/2005   | 0.0507       | <0.002     | <0.002       | 0.0057        | 0.0266      | 0.0213     | <0.002      |
|                                | 6/8/2006    | 0.0488       | 0.0531     | 0.0052       | 0.0052        | 0.0358      | 0.0269     | <0.002      |
|                                | 6/20/2007   | 0.0588       | 0.0639     | 0.0012       | 0.0078        | 0.0436      | 0.0296     | 0.0011      |
|                                | 5/22/2008   | 0.0449       | 0.0699     | 0.00086      | 0.005         | 0.0323      | 0.0245     | 0.00095     |
|                                | 5/28/2009   | 0.049        | 0.0572     | 0.00088      | 0.0059        | 0.0343      | 0.0188     | 0.0012      |
|                                | 5/25/2010   | 0.0487       | 0.0482     | 0.0011       | 0.0062        | 0.0415      | 0.0186     | 0.0012      |
|                                | 10/19/2011  | 0.044        | 0.0507     | 0.00093      | 0.0054        | 0.0344      | 0.0168     | <0.001      |
|                                | 12/18/2013  | 0.0407       | NA         | 0.000807 J   | 0.00389       | 0.0269      | 0.0142     | 0.00114     |
|                                | 12/16/2014  | 0.0302       | NA         | 0.000612     | 0.00213       | 0.0161      | 0.00807    | 0.000529    |
|                                | 2/10/2015   | 0.028        | NA         | 0.000691     | 0.00195       | 0.0131      | 0.00914    | 0.000807    |
|                                | 12/16/2015  | 0.0186       | NA         | 0.000355     | 0.00153       | 0.0104      | 0.00842    | 0.000697    |
|                                | 12/14/2016  | 0.0271       | NA         | 0.000471 J   | 0.00219       | 0.0183      | 0.00897    | 0.000684 J  |
|                                | 11/15/2017  | 0.0122       | 0.00689    | <0.000192    | 0.000581 J    | 0.00567     | 0.0059     | 0.000557 J  |
|                                | 11/15/2018  | 0.00908      | 0.00269    | <0.000192    | 0.000366 J    | 0.00243     | 0.00368    | <0.000333   |
|                                | 10/16/2019  | 0.0147       | 0.00586    | 0.00024 J    | 0.000641 J    | 0.00463     | 0.00489    | 0.000738 J  |
|                                | 11/18/2020  | 0.0036       | 0.00097 J  | <0.00050     | <0.00050      | <0.00050    | 0.0023     | <0.00058    |
|                                | 11/9/2021   | 0.0079       | 0.0051     | <0.00050     | <0.00050      | 0.0019      | 0.0028     | 0.00044 J   |
|                                | 11/3/2022   | 0.0048       | 0.0024     | <0.00050     | <0.00050      | 0.00084 J   | 0.0014     | <0.00090    |
|                                | 11/14/2023  | 0.0035       | 0.0013     | <0.00050     | <0.00050      | 0.00041 J   | 0.0014     | <0.00090    |
|                                | 11/5/2024   | 0.0043       | 0.0029     | <0.00020     | <0.00019      | 0.00094 J   | 0.0012     | 0.00029 J   |
| <b>MW-14</b>                   | 5/28/2002   | 0.0087       | <0.001     | <0.001       | <0.001        | 0.0029      | 0.0019     | <0.001      |
|                                | 6/3/2003    | 0.0095       | <0.002     | <0.002       | <0.002        | 0.0033      | 0.0024     | <0.002      |
|                                | 5/17/2004   | 0.0057       | <0.002     | <0.002       | <0.002        | 0.0021      | 0.0016     | <0.002      |
|                                | 5/31/2005   | 0.0047       | <0.002     | <0.002       | <0.002        | <0.002      | <0.002     | 0.0012      |
|                                | 6/8/2006    | 0.0089       | <0.002     | <0.002       | <0.002        | 0.0034      | 0.0018     | <0.002      |
|                                | 6/20/2007   | 0.0242       | 0.0238     | <0.002       | 0.0027        | 0.0142      | 0.011      | <0.002      |
|                                | 5/22/2008   | 0.0093       | 0.0047     | <0.002       | <0.002        | 0.0034      | 0.003      | <0.002      |
|                                | 5/28/2009   | 0.0064       | 0.0021     | <0.002       | <0.002        | 0.0014      | 0.0015     | <0.002      |
|                                | 5/25/2010   | 0.0072       | 0.0035     | <0.002       | <0.002        | 0.0026      | 0.0021     | <0.002      |
|                                | 10/19/2011  | 0.0083       | 0.0052     | <0.001       | 0.00042       | 0.0033      | 0.0026     | 0.00052     |
|                                | 12/18/2013  | 0.00873      | NA         | <0.00019     | 0.000192 J    | 0.00135     | 0.00118    | 0.000208 J  |
|                                | 12/17/2014  | 0.00981      | NA         | <0.00019     | <0.00009      | 0.00187     | 0.00213    | <0.00013    |
|                                | 12/17/2014  | 0.00981      | NA         | <0.00019     | <0.00009      | 0.00187     | 0.00213    | <0.00013    |
|                                | 12/16/2015  | 0.00328      | NA         | <0.000192    | <0.000192     | 0.000188    | 0.000329   | <0.000333   |
|                                | 12/14/2016  | 0.00254      | NA         | <0.000192    | <0.000192     | 0.000482 J  | 0.000568 J | <0.000333   |



**Table 2**  
**Summary of Groundwater Volatile Organic Compound Analytical Results**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well                | Sample Date | 1,1-DCA           | 1,2-DCB           | 1,1-DCE         | trans-1,2-DCE   | cis-1,2-DCE       | TCE               | PCE              |
|--------------------------------|-------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>0.025</b>      | <b>NE</b>         | <b>0.005</b>    | <b>NE</b>       | <b>0.07</b>       | <b>0.1</b>        | <b>0.02</b>      |
| <b>MW-14 (cont.)</b>           | 11/15/2017  | <b>0.000361 J</b> | <0.000153         | <0.000192       | <0.000192       | <0.000157         | <b>0.000296 J</b> | <0.000333        |
|                                | 11/15/2018  | <b>0.000921 J</b> | <b>0.000287 J</b> | <0.000192       | <0.000192       | <0.000157         | <b>0.000266 J</b> | <0.000333        |
|                                | 10/16/2019  | <b>0.00194</b>    | <b>0.000543 J</b> | <0.000192       | <0.000192       | <0.000157         | <b>0.000216 J</b> | <0.000333        |
|                                | 11/18/2020  | <b>0.0021</b>     | <0.00050          | <0.00050        | <0.00050        | <0.00050          | <0.00050          | <0.00058         |
|                                | 11/18/2020  | <b>0.00071 J</b>  | <0.00050          | <0.00050        | <0.00050        | <0.00050          | <0.00050          | <0.00058         |
|                                | 11/9/2021   | <b>0.00056 J</b>  | <0.00050          | <0.00050        | <0.00050        | <0.00020          | <0.00012          | <0.00015         |
|                                | 11/9/2021   | <0.00050          | <0.00050          | <0.00050        | <0.00050        | <0.00020          | <0.00012          | <0.00015         |
|                                | 11/3/2022   | <b>0.0020</b>     | <b>0.00053 J</b>  | <0.00050        | <0.00050        | <0.00020          | <b>0.00027 J</b>  | <0.00090         |
|                                | 11/3/2022   | <b>0.0021</b>     | <b>0.00064 J</b>  | <0.00050        | <0.00050        | <0.00020          | <b>0.00024 J</b>  | <0.00090         |
|                                | 11/14/2023  | <b>0.0013</b>     | <0.00050          | <0.00050        | <0.00050        | <0.00020          | <0.00015          | <0.00090         |
| <b>DUP-01 (Duplicate)</b>      | 11/14/2023  | <b>0.0017</b>     | <0.00050          | <0.00050        | <0.00050        | <0.00020          | <0.00015          | <0.00090         |
|                                | 11/5/2024   | <b>0.0020</b>     | <b>0.00063 J</b>  | <0.00020        | <0.00019        | <0.00039          | <b>0.00030 J</b>  | <b>0.00019 J</b> |
|                                | 11/5/2024   | <b>0.0020</b>     | <b>0.00059 J</b>  | <0.00020        | <0.00019        | <0.00039          | <b>0.00029 J</b>  | <b>0.00020 J</b> |
|                                | 5/28/2002   | <b>0.0053</b>     | <0.001            | <0.001          | <0.001          | <0.001            | <0.001            | <0.001           |
|                                | 6/3/2003    | <b>0.006</b>      | <0.002            | <0.002          | <0.002          | <0.002            | <0.002            | <0.002           |
|                                | 5/17/2004   | <b>0.0063</b>     | <0.002            | <0.002          | <0.002          | <0.002            | <0.002            | <0.002           |
|                                | 5/31/2005   | <0.002            | <0.002            | <0.002          | <0.002          | <0.002            | <0.002            | <0.002           |
|                                | 6/8/2006    | <b>0.0043</b>     | <0.002            | <0.002          | <0.002          | <0.002            | <0.002            | <0.002           |
|                                | 6/20/2007   | <b>0.0048</b>     | <0.002            | <0.002          | <0.002          | <0.002            | <0.002            | <0.002           |
|                                | 5/22/2008   | <b>0.0036</b>     | <0.002            | <0.002          | <0.002          | <b>0.00064</b>    | <0.002            | <0.002           |
| <b>MW-15</b>                   | 5/28/2009   | <b>0.0033</b>     | <0.002            | <0.002          | <0.002          | <0.002            | <0.002            | <0.002           |
|                                | 5/25/2010   | <b>0.0027</b>     | <0.002            | <0.002          | <0.002          | <0.002            | <0.002            | <0.002           |
|                                | 10/19/2011  | <b>0.003</b>      | <0.001            | <0.001          | <0.001          | <b>0.00044</b>    | <0.001            | <0.001           |
|                                | 12/18/2013  | <b>0.00321</b>    | NA                | <0.00019        | <0.00009        | <b>0.000465 J</b> | <b>0.000324 J</b> | <0.00013         |
|                                | 12/17/2014  | <b>0.00284</b>    | NA                | <0.00095        | <0.00045        | <b>0.000526</b>   | <0.0009           | <b>0.000798</b>  |
|                                | 2/10/2015   | <b>0.00187</b>    | NA                | <b>0.000962</b> | <b>0.000961</b> | <b>0.000785</b>   | <b>0.000688</b>   | <b>0.00257</b>   |
|                                | 12/16/2015  | <0.00336          | NA                | <0.00384        | <0.00384        | <0.00314          | <0.00276          | <0.00666         |
|                                | 12/14/2016  | <b>0.00191</b>    | NA                | <0.000192       | <0.000192       | <b>0.000176 J</b> | <b>0.000168 J</b> | <0.000333        |
|                                | 11/15/2017  | <b>0.00158</b>    | <0.000153         | <0.000192       | <0.000192       | <0.000157         | <0.000138         | <0.000333        |
|                                | 11/15/2018  | <0.000840         | <b>0.000765</b>   | <0.000960       | <0.000960       | <0.000785         | <0.000690         | <0.00167         |
|                                | 10/16/2019  | <b>0.00204 J</b>  | <0.000765         | <0.00096        | <0.00096        | <0.000785         | <0.000690         | <0.00167         |
|                                | 11/18/2020  | <b>0.0015</b>     | <0.00050          | <0.00050        | <0.00050        | <0.00050          | <0.00050          | <0.00058         |
|                                | 11/9/2021   | <b>0.0012</b>     | <0.00050          | <0.00050        | <0.00050        | <0.00020          | <0.00015          | <0.00012         |
|                                | 11/3/2022   | <b>0.0016</b>     | <0.00050          | <0.00050        | <0.00050        | <0.00020          | <0.00015          | <0.00090         |
|                                | 11/14/2023  | <b>0.0017</b>     | <0.00050          | <0.00050        | <0.00050        | <0.00020          | <0.00015          | <0.00090         |
|                                | 11/5/2024   | <b>0.0018 J</b>   | <0.00077          | <0.001          | <0.00097        | <0.0019           | <0.001            | <0.00089         |
| <b>MW-71</b>                   | 2/10/2015   | <b>0.000612</b>   | NT                | <b>0.000192</b> | <b>0.000192</b> | <b>0.000157</b>   | <b>0.00025</b>    | <b>0.000593</b>  |
|                                | 12/16/2015  | <0.000168         | NT                | <0.000192       | <0.000192       | <0.000157         | <b>0.000383 J</b> | <b>0.002</b>     |
|                                | 12/14/2016  | <b>0.000372 J</b> | NT                | <0.000192       | <0.000192       | <0.000157         | <b>0.000335 J</b> | <b>0.00165</b>   |
|                                | 11/15/2017  | <b>0.000296 J</b> | <0.000153         | <0.000192       | <0.000192       | <0.000157         | <b>0.000419 J</b> | <b>0.00164</b>   |
|                                | 11/15/2018  | <b>0.000620 J</b> | <0.000153         | <0.000192       | <0.000192       | <0.000157         | <b>0.000366 J</b> | <b>0.00174</b>   |
|                                | 10/16/2019  | <b>0.000429 J</b> | <b>0.000191 J</b> | <0.000192       | <0.000192       | <0.000157         | <0.000138         | <b>0.00173</b>   |
|                                | 11/18/2020  | <b>0.0007 J</b>   | <0.00050          | <0.00050        | <0.00050        | <0.00050          | <0.00050          | <b>0.0011</b>    |
|                                | 11/9/2021   | <b>0.00051 J</b>  | <0.00050          | <0.00050        | <0.00050        | <0.00020          | <b>0.00037 J</b>  | <b>0.0012</b>    |
|                                | 11/3/2022   | <b>0.00065 J</b>  | <0.00050          | <0.00050        | <0.00050        | <0.00020          | <b>0.00044 J</b>  | <b>0.0014</b>    |
|                                | 11/5/2024   | <b>0.00044 J</b>  | <0.00015          | <0.00020        | <0.00019        | <0.00039          | <b>0.00045 J</b>  | <b>0.0016</b>    |

**Notes:**

Bolted text indicates a detected concentration.

Highlighted cells and bolted text indicates the concentration exceeded the NMWQCC standard.

&lt; = The analyte was not detected above the method detection limit.

J = The analyte was detected at a concentration above the method detection limit but below the reporting limit.

mg/L = milligrams per liter.

NA = Sample was not analyzed for the listed compound.

NMWQCC = New Mexico Water Quality Control Commission.

1,1-DCA = 1,1-dichloroethane.

1,2-DCB = 1,2-dichlorobenzene.

1,1-DCE = 1,1-dichloroethene.

trans-1,2-DCE = trans-1,2-dichloroethene.

cis-1,2-DCE = cis-1,2-dichloroethene.

TCE = trichloroethene.

PCE = tetrachloroethene.



**Table 3**  
**Summary of Groundwater Nitrate Analytical Results**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well         | Sample Date | Nitrate as Nitrogen (mg/L) |
|-------------------------|-------------|----------------------------|
| NMWQCC Standard (mg/L): |             | 10                         |
| MW-8                    | 9/23/1988   | <0.1                       |
|                         | 6/18/1991   | <0.06                      |
|                         | 2/19/1993   | 1.95                       |
|                         | 6/7/1993    | <1.0                       |
|                         | 9/27/1993   | <1.0                       |
|                         | 1/27/1994   | <1.0                       |
|                         | 11/10/2000  | <0.1                       |
|                         | 3/23/2001   | 0.21                       |
|                         | 8/28/2001   | 0.33                       |
|                         | 5/28/2002   | 0.26                       |
|                         | 6/3/2003    | 0.13                       |
|                         | 5/17/2004   | 0.43                       |
|                         | 5/31/2005   | 0.3                        |
|                         | 6/8/2006    | 0.3                        |
|                         | 6/20/2007   | 0.5                        |
|                         | 5/22/2008   | 0.16                       |
|                         | 5/28/2009   | <2.0                       |
|                         | 5/25/2010   | 0.19                       |
|                         | 10/19/2011  | Dry                        |
|                         | 12/18/2013  | 0.122 (Dry)                |
|                         | 12/17/2015  | <0.017 (Dry)               |
|                         | 11/15/2018  | 21.5                       |
|                         | 10/16/2019  | 36.3* J                    |
|                         | 11/18/2020  | 0.074* J-                  |
|                         | 11/9/2021   | <0.063*                    |
|                         | 11/3/2022   | <0.32* UJ                  |
|                         | 11/14/2023  | 0.19 J-                    |
|                         | 11/6/2024   | <0.1                       |
| MW-12                   | 1/15/1990   | 9.6                        |
|                         | 6/19/1991   | 7.8                        |
|                         | 2/25/1993   | 7.82                       |
|                         | 6/7/1993    | 8.45                       |
|                         | 9/28/1993   | 9.1                        |
|                         | 1/27/1994   | 7.32                       |
|                         | 8/8/2000    | <10                        |
|                         | 11/9/2000   | 5.7                        |
|                         | 3/22/2001   | 8.4                        |
|                         | 8/28/2001   | 8                          |
|                         | 5/28/2002   | 2                          |
|                         | 6/3/2003    | 6.7                        |
|                         | 5/17/2004   | 7.6                        |
|                         | 5/31/2005   | 8.6                        |
|                         | 6/8/2006    | 6.5                        |
|                         | 6/20/2007   | 7.6                        |
|                         | 5/22/2008   | 6.7                        |
|                         | 5/28/2009   | 4.3                        |
|                         | 5/25/2010   | 7.2                        |
|                         | 10/19/2011  | 6.2                        |
|                         | 12/18/2013  | 13.2                       |
|                         | 12/16/2014  | 9.61                       |
|                         | 2/10/2015   | 6.04                       |
|                         | 12/16/2015  | 10.9                       |
|                         | 12/14/2016  | 5.17                       |
|                         | 11/15/2017  | 4.72                       |
|                         | 11/15/2018  | 4.7                        |
|                         | 10/16/2019  | 13.1* J                    |
|                         | 11/18/2020  | 4.2* J-                    |

**Table 3**  
**Summary of Groundwater Nitrate Analytical Results**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well         | Sample Date | Nitrate as Nitrogen (mg/L) |
|-------------------------|-------------|----------------------------|
| NMWQCC Standard (mg/L): |             | 10                         |
| MW-12 (cont.)           | 11/9/2021   | 4.4*                       |
|                         | 11/3/2022   | 5.2* J                     |
|                         | 11/14/2023  | 4.4 J-                     |
|                         | 11/5/2024   | 4.7                        |
| MW-13                   | 1/15/1990   | 16.4                       |
|                         | 6/19/1991   | 6.3                        |
|                         | 2/24/1993   | 10.9                       |
|                         | 6/8/1993    | 8.09                       |
|                         | 9/28/1993   | 4.1                        |
|                         | 1/27/1994   | 5.37                       |
|                         | 8/8/2000    | <12.5                      |
|                         | 11/9/2000   | 9.8                        |
|                         | 3/22/2001   | 13                         |
|                         | 8/28/2001   | 7.9                        |
|                         | 5/28/2002   | 6                          |
|                         | 6/3/2003    | 5.8                        |
|                         | 5/17/2004   | 9.8                        |
|                         | 5/31/2005   | 8.2                        |
|                         | 6/8/2006    | 8.2                        |
|                         | 6/20/2007   | 6.1                        |
|                         | 5/22/2008   | 3.9                        |
|                         | 5/28/2009   | 4.8                        |
|                         | 5/25/2010   | 4.6                        |
|                         | 10/19/2011  | 5.5                        |
|                         | 12/18/2013  | 15.4                       |
|                         | 12/16/2014  | 23                         |
|                         | 2/10/2015   | 7.88                       |
|                         | 12/16/2015  | 32                         |
|                         | 12/14/2016  | 5.34                       |
|                         | 11/15/2017  | 6.45                       |
|                         | 11/15/2018  | 6.73                       |
|                         | 10/16/2019  | 28.3* J                    |
|                         | 11/18/2020  | 7.9* J-                    |
|                         | 11/9/2021   | 7.5*                       |
|                         | 11/3/2022   | 8.1* J-                    |
|                         | 11/14/2023  | 8.8 J-                     |
|                         | 11/5/2024   | 7.3                        |
| MW-14                   | 1/15/1990   | 210                        |
|                         | 2/25/1993   | 19.2                       |
|                         | 6/8/1993    | 17.5                       |
|                         | 9/28/1993   | 11.8                       |
|                         | 1/27/1994   | 15.4                       |
|                         | 8/8/2000    | 19                         |
|                         | 11/13/2000  | 0.24                       |
|                         | 3/22/2001   | 13                         |
|                         | 8/28/2001   | 20                         |
|                         | 5/28/2002   | 15                         |
|                         | 6/3/2003    | 15                         |
|                         | 5/17/2004   | 16                         |
|                         | 5/31/2005   | 24                         |
|                         | 6/8/2006    | 14                         |
|                         | 6/20/2007   | 15                         |
|                         | 5/22/2008   | 13.3                       |
|                         | 5/28/2009   | 7.8                        |
|                         | 5/25/2010   | 15.5                       |
|                         | 10/19/2011  | 13.9                       |
|                         | 12/18/2013  | 29.7                       |
|                         | 12/17/2014  | 6.12                       |

**Table 3**  
**Summary of Groundwater Nitrate Analytical Results**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well                | Sample Date | Nitrate as Nitrogen (mg/L) |
|--------------------------------|-------------|----------------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>10</b>                  |
| <b>MW-14 (cont.)</b>           | 2/10/2015   | 16.1                       |
|                                | 12/16/2015  | 61.6                       |
|                                | 12/14/2016  | 15.8                       |
|                                | 11/15/2017  | 7.56                       |
|                                | 12/15/2018  | 9.97 J                     |
|                                | 10/16/2019  | 20* J                      |
|                                | 11/18/2020  | 8.8* J-                    |
|                                | 11/18/2020  | 8.2* J-                    |
|                                | 11/9/2021   | 7.6* J-                    |
|                                | 11/9/2021   | 8.4*                       |
|                                | 11/3/2022   | 6.0*                       |
|                                | 11/3/2022   | 5.7* J                     |
|                                | 11/14/2023  | 12 J-                      |
|                                | 11/14/2023  | 8.1 J-                     |
|                                | 11/5/2024   | 9.5                        |
| <b>DUP-01 (Duplicate)</b>      | 11/5/2024   | 7.8                        |
| <b>MW-15</b>                   | 1/15/1990   | 89                         |
|                                | 6/19/1991   | 50                         |
|                                | 2/24/1993   | 5                          |
|                                | 6/8/1993    | 48.1                       |
|                                | 9/28/1993   | 43                         |
|                                | 1/27/1994   | 43.7                       |
|                                | 8/8/2000    | 35                         |
|                                | 11/9/2000   | 38                         |
|                                | 3/22/2001   | 25                         |
|                                | 8/28/2001   | 30                         |
|                                | 5/28/2002   | 24                         |
|                                | 6/3/2003    | 21                         |
|                                | 5/17/2004   | 20                         |
|                                | 5/31/2005   | 35                         |
|                                | 6/8/2006    | 17                         |
|                                | 6/20/2007   | 18                         |
|                                | 5/22/2008   | 21.6                       |
|                                | 5/28/2009   | 12                         |
|                                | 5/25/2010   | 22.9                       |
|                                | 10/19/2011  | 24.8                       |
|                                | 12/18/2013  | 54.8                       |
|                                | 12/17/2014  | 22.2                       |
|                                | 2/10/2015   | 15.4                       |
|                                | 12/16/2015  | 45.6                       |
|                                | 12/14/2016  | 18.1                       |
|                                | 11/15/2017  | 20.2                       |
|                                | 11/15/2018  | 22.2                       |
|                                | 10/16/2019  | 67.9* J                    |
|                                | 11/18/2020  | 25* J+                     |
|                                | 11/9/2021   | 17* J-                     |
|                                | 11/3/2022   | 13*                        |
|                                | 11/14/2023  | 18 J-                      |
|                                | 11/5/2024   | 14                         |
| <b>MW-28</b>                   | 10/7/1993   | 2.1                        |
|                                | 2/2/1994    | 2.83                       |
|                                | 8/20/1994   | 2.72                       |
|                                | 12/20/1994  | 0.33                       |
|                                | 2/16/1995   | 1.56                       |
|                                | 8/10/2000   | 25                         |
|                                | 11/10/2000  | 53                         |
|                                | 3/23/2001   | 34                         |
|                                | 8/28/2001   | 63                         |
|                                | 5/28/2002   | 83                         |

**Table 3**  
**Summary of Groundwater Nitrate Analytical Results**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well                | Sample Date | Nitrate as Nitrogen (mg/L) |
|--------------------------------|-------------|----------------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>10</b>                  |
| <b>MW-28 (cont.)</b>           | 6/3/2003    | 87                         |
|                                | 5/17/2004   | 82                         |
|                                | 5/31/2005   | 85                         |
|                                | 6/8/2006    | 68                         |
|                                | 6/20/2007   | 42                         |
|                                | 5/22/2008   | 38.5                       |
|                                | 5/28/2009   | 22.7                       |
|                                | 5/25/2010   | 51.4                       |
|                                | 10/19/2011  | 29.8                       |
|                                | 12/18/2013  | 47.2                       |
|                                | 12/16/2014  | 89.8                       |
|                                | 2/10/2015   | 2.74                       |
|                                | 12/16/2015  | 39.9                       |
|                                | 12/14/2016  | 52.4                       |
|                                | 11/15/2017  | 35.1                       |
|                                | 11/15/2018  | 31.2                       |
|                                | 10/15/2019  | 30* J                      |
|                                | 11/18/2020  | 130* J+                    |
|                                | 11/18/2020  | 130* J-                    |
|                                | 11/9/2021   | 45* J-                     |
|                                | 11/9/2021   | 40* J-                     |
|                                | 11/3/2022   | 27* J-                     |
|                                | 11/3/2022   | 26* J-                     |
|                                | 11/14/2023  | 50 J-                      |
|                                | 11/14/2023  | 50 J-                      |
|                                | 11/5/2024   | 33                         |
|                                | 11/5/2024   | 33                         |
| <b>MW-29</b>                   | 10/7/1993   | 8.3                        |
|                                | 2/2/1994    | 19.6                       |
|                                | 8/20/1994   | 28.84                      |
|                                | 12/20/1994  | 41                         |
|                                | 2/16/1995   | 28.1                       |
|                                | 8/10/2000   | 50                         |
|                                | 11/10/2000  | 66                         |
|                                | 3/26/2001   | 70                         |
|                                | 8/28/2001   | 58                         |
|                                | 5/28/2002   | 70                         |
|                                | 6/3/2003    | 79                         |
|                                | 5/17/2004   | 88                         |
|                                | 5/31/2005   | 97                         |
|                                | 6/8/2006    | 71                         |
|                                | 6/20/2007   | 79                         |
|                                | 5/22/2008   | 72.5                       |
|                                | 5/28/2009   | 46.2                       |
|                                | 5/25/2010   | 79.9                       |
|                                | 10/19/2011  | 77.7                       |
|                                | 12/18/2013  | 180                        |
|                                | 12/16/2014  | 148                        |
|                                | 2/10/2015   | 78                         |
|                                | 12/16/2015  | 162                        |
|                                | 12/14/2016  | 74                         |
|                                | 11/15/2017  | 91.7                       |
|                                | 11/15/2018  | 114                        |
|                                | 10/16/2019  | 130* J                     |
|                                | 11/18/2020  | 100* J-                    |
|                                | 11/9/2021   | 93* J-                     |
|                                | 11/3/2022   | 91* J-                     |
|                                | 11/14/2023  | 99 J-                      |
|                                | 11/5/2024   | 110                        |

**Table 3**  
**Summary of Groundwater Nitrate Analytical Results**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well         | Sample Date | Nitrate as Nitrogen (mg/L) |
|-------------------------|-------------|----------------------------|
| NMWQCC Standard (mg/L): |             | 10                         |
| MW-30                   | 10/7/1993   | 28.1                       |
|                         | 2/2/1994    | 57.1                       |
|                         | 8/20/1994   | 67.63                      |
|                         | 2/16/1995   | 91.3                       |
|                         | 8/10/2000   | 84                         |
|                         | 11/10/2000  | 70                         |
|                         | 3/26/2001   | 72                         |
|                         | 8/28/2001   | 76                         |
|                         | 5/28/2002   | 66                         |
|                         | 6/3/2003    | 58                         |
|                         | 5/17/2004   | 52                         |
|                         | 5/31/2005   | 58                         |
|                         | 6/20/2007   | 57                         |
|                         | 5/22/2008   | 43.2                       |
|                         | 5/28/2009   | 16.9                       |
|                         | 5/25/2010   | 34.8                       |
|                         | 10/19/2011  | 51.3                       |
|                         | 12/18/2013  | 101                        |
|                         | 12/16/2014  | 55.6                       |
|                         | 2/10/2015   | 36.8                       |
|                         | 12/16/2015  | 5.92                       |
|                         | 12/14/2016  | 2.17                       |
|                         | 11/15/2017  | 3.97                       |
|                         | 11/15/2018  | 15.4                       |
|                         | 10/15/2019  | 23.4* J                    |
|                         | 11/18/2020  | 15* J-                     |
|                         | 11/9/2021   | 8.0*                       |
|                         | 11/3/2022   | 14*                        |
|                         | 11/14/2023  | 17 J-                      |
|                         | 11/5/2024   | 34                         |
| MW-71                   | 2/10/2015   | 17.1                       |
|                         | 12/16/2015  | 47.4                       |
|                         | 12/14/2016  | 15.8                       |
|                         | 11/15/2017  | 19.4                       |
|                         | 11/15/2018  | 17.8                       |
|                         | 10/16/2019  | 29.6* J                    |
|                         | 11/18/2020  | 17* J-                     |
|                         | 11/9/2021   | 14* J-                     |
|                         | 11/3/2022   | 16*                        |
|                         | 11/14/2023  | 18 J-                      |
|                         | 11/5/2024   | 16                         |
| MW-72                   | 2/11/2015   | 9.15                       |
|                         | 12/16/2015  | 28.7                       |
|                         | 12/14/2016  | 10                         |
|                         | 11/15/2017  | 6.08                       |
|                         | 11/15/2018  | 9.99                       |
|                         | 10/15/2019  | 24.9* J                    |
|                         | 11/18/2020  | 9.6* J-                    |
|                         | 11/9/2021   | 9.6*                       |
|                         | 11/3/2022   | 9.3*                       |
|                         | 11/14/2023  | 8.6 J-                     |
|                         | 11/5/2024   | 8.8                        |
| MW-73                   | 2/11/2015   | 17.3                       |
|                         | 12/16/2015  | 15.8                       |
|                         | 12/14/2016  | 30.6                       |
|                         | 11/15/2017  | 30.6                       |
|                         | 11/15/2018  | 68.9                       |
|                         | 10/15/2019  | 56.4* J                    |
|                         | 11/18/2020  | 22* J-                     |

**Table 3**  
**Summary of Groundwater Nitrate Analytical Results**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well         | Sample Date | Nitrate as Nitrogen (mg/L) |    |
|-------------------------|-------------|----------------------------|----|
| NMWQCC Standard (mg/L): |             | 10                         |    |
| MW-73 (cont.)           | 11/9/2021   | 23*                        | J- |
|                         | 11/3/2022   | 27*                        | J- |
|                         | 11/14/2023  | 64                         | J- |
|                         | 11/5/2024   | 43                         | J- |
| MW-74                   | 2/11/2015   | 2.5                        |    |
|                         | 12/17/2015  | 0.90                       |    |
|                         | 12/14/2016  | 1.78                       |    |
|                         | 11/15/2017  | 1.34                       |    |
|                         | 11/15/2018  | 0.95                       |    |
|                         | 10/16/2019  | 9.66*                      | J  |
|                         | 11/18/2020  | 8.0*                       | J- |
|                         | 11/9/2021   | 3.5*                       |    |
|                         | 11/3/2022   | 5.4*                       |    |
|                         | 11/14/2023  | 5.8                        | J- |
|                         | 11/5/2024   | 1.8                        | J- |
| MW-75                   | 2/10/2015   | 54.8                       |    |
|                         | 12/17/2015  | 191                        |    |
|                         | 12/14/2016  | 64.4                       |    |
|                         | 11/15/2017  | 42.7                       |    |
|                         | 11/15/2018  | 71                         |    |
|                         | 10/16/2019  | 131*                       | J  |
|                         | 11/18/2020  | 68*                        | J+ |
|                         | 11/9/2021   | 65*                        | J- |
|                         | 11/3/2022   | 61*                        |    |
|                         | 11/14/2023  | 86                         | J- |
|                         | 11/5/2024   | 70                         | J- |
| MW-76                   | 2/11/2015   | 0.46                       |    |
|                         | 12/16/2015  | 0.40                       |    |
|                         | 12/14/2016  | 0.47                       |    |
|                         | 11/15/2017  | 0.81                       |    |
|                         | 11/15/2018  | 0.37                       |    |
|                         | 10/15/2019  | 0.42*                      | J  |
|                         | 11/18/2020  | 0.23*                      | J- |
|                         | 11/9/2021   | 0.15*                      |    |
|                         | 11/3/2022   | 0.25*                      |    |
|                         | 11/14/2023  | 0.65                       | J- |
|                         | 11/5/2024   | 0.28                       | J- |
| MW-77                   | 2/11/2015   | 54.8                       |    |
|                         | 12/17/2015  | 34.3                       |    |
|                         | 12/14/2016  | 4.15                       |    |
|                         | 11/15/2017  | 27.3                       |    |
|                         | 11/15/2018  | 24.9                       |    |
|                         | 10/16/2019  | 54.1*                      | J  |
|                         | 11/18/2020  | 62*                        | J- |
|                         | 11/9/2021   | 55*                        | J- |
|                         | 11/3/2022   | 56*                        |    |
|                         | 11/14/2023  | 84                         | J- |
|                         | 11/5/2024   | 53                         | J- |
| MW-78                   | 2/11/2015   | 15.5                       |    |
|                         | 12/17/2015  | 13.5                       |    |
|                         | 12/14/2016  | 35.3                       |    |
|                         | 11/15/2017  | 24.2                       |    |
|                         | 11/15/2018  | 23.3                       |    |
|                         | 10/15/2019  | 13.9*                      | J  |

**Table 3**  
**Summary of Groundwater Nitrate Analytical Results**  
**Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico**

| Monitoring Well                | Sample Date | Nitrate as Nitrogen (mg/L) |
|--------------------------------|-------------|----------------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>10</b>                  |
| <b>MW-78 (cont.)</b>           | 11/18/2020  | <b>43*</b> J-              |
|                                | 11/9/2021   | <b>34*</b> J-              |
|                                | 11/3/2022   | <b>12*</b>                 |
|                                | 11/14/2023  | <b>11</b> J-               |
|                                | 11/5/2024   | <b>12</b> J-               |
| <b>MW-79</b>                   | 2/10/2015   | <b>10</b>                  |
|                                | 12/17/2015  | <b>18.4</b>                |
|                                | 12/14/2016  | <b>1.95</b>                |
|                                | 11/15/2017  | <b>1.06</b>                |
|                                | 11/15/2018  | <b>2.55</b>                |
|                                | 10/15/2019  | <b>14.9*</b> J             |
|                                | 11/18/2020  | <b>0.66*</b> J-            |
|                                | 11/9/2021   | <b>0.85*</b>               |
|                                | 11/3/2022   | <b>0.36 J*</b>             |
|                                | 11/14/2023  | <b>1.3</b> J-              |
|                                | 11/5/2024   | <b>0.86</b> J-             |
| <b>MW-80</b>                   | 2/10/2015   | <b>24.4</b>                |
|                                | 12/17/2015  | <b>89.4</b>                |
|                                | 12/14/2016  | <b>92</b>                  |
|                                | 11/15/2017  | <b>69.6</b>                |
|                                | 11/15/2018  | <b>&lt;1.7</b>             |
|                                | 10/15/2019  | <b>92.7*</b> J             |
|                                | 11/18/2020  | <b>110*</b> J-             |
|                                | 11/9/2021   | <b>96*</b> J-              |
|                                | 11/3/2022   | <b>88*</b>                 |
|                                | 11/14/2023  | <b>120</b> J-              |
|                                | 11/5/2024   | <b>100</b> J-              |
| <b>MW-81</b>                   | 2/11/2015   | <b>15.7</b>                |
|                                | 12/17/2015  | <b>52.3</b>                |
|                                | 12/14/2016  | <b>34.6</b>                |
|                                | 11/15/2017  | <b>8.8</b>                 |
|                                | 11/15/2018  | <b>41.3</b>                |
|                                | 10/16/2019  | <b>48.7*</b> J             |
|                                | 11/18/2020  | <b>40*</b> J-              |
|                                | 11/9/2021   | <b>43*</b> J-              |
|                                | 11/3/2022   | <b>42*</b>                 |
|                                | 11/14/2023  | <b>49</b> J-               |
|                                | 11/5/2024   | <b>36</b> J-               |

**Notes:**

Bolded text indicates a detected concentration.

Highlighted cells and bolded text indicates the concentration exceeded the NMWQCC standard.

< = The analyte was not detected above the method detection limit.

\* = Analyzed using EPA Method E300.0.

J = The analytical result is estimated.

J- = The analytical result was positively identified; the quantitation is an estimation with a potential low bias.

J+ = The analytical result was positively identified; the quantitation is an estimation with a potential high bias.

mg/L = milligrams per liter.

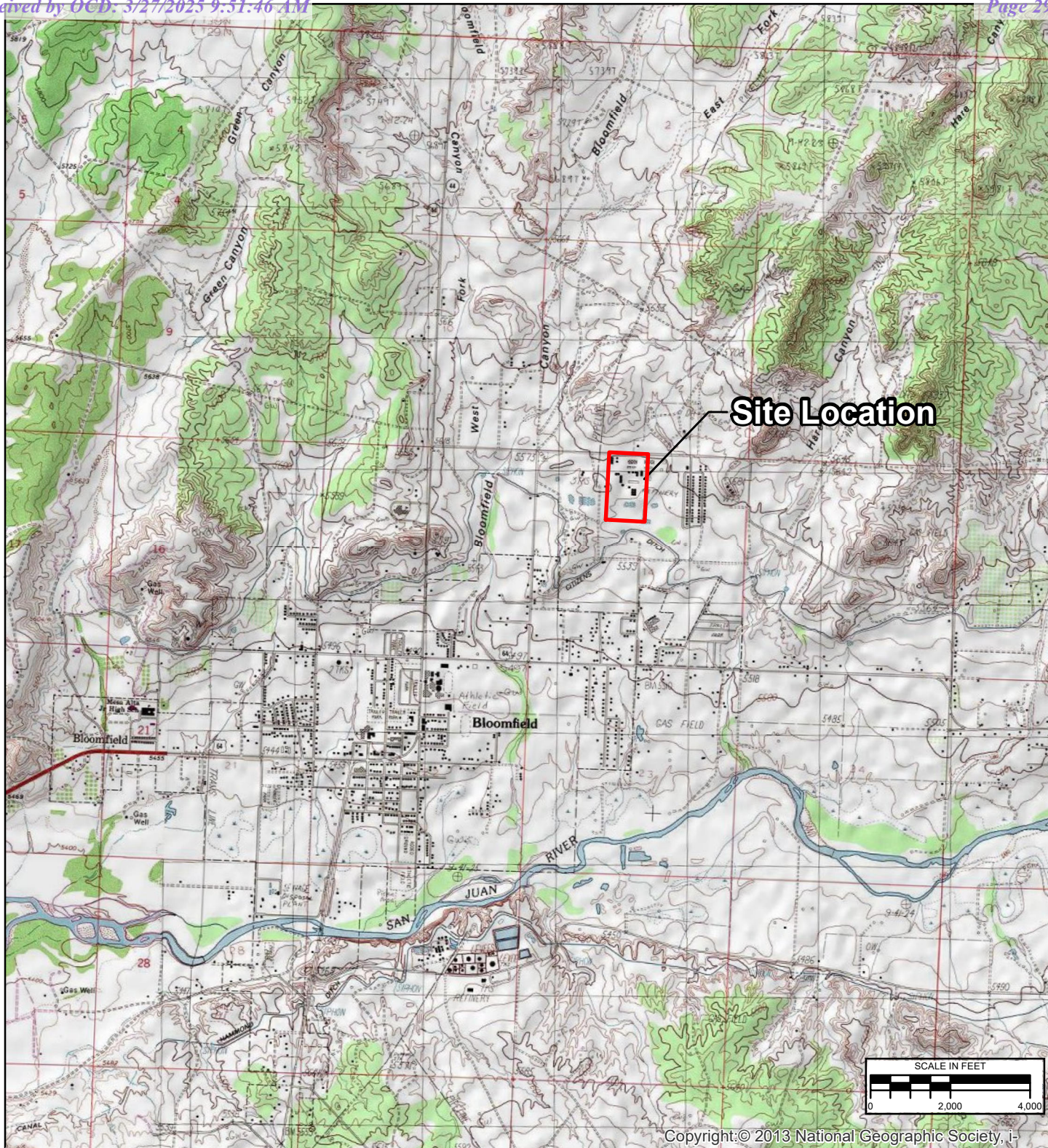
NMWQCC = New Mexico Water Quality Control Commission.

UJ = The analyte was analyzed for, but not detected. Due to a quality control deficiency identified during data validation the value reported may not accurately reflect the sample quantitation limit.

Analytical data from monitoring wells abandoned prior to 2018 have been removed from the table.

# FIGURES

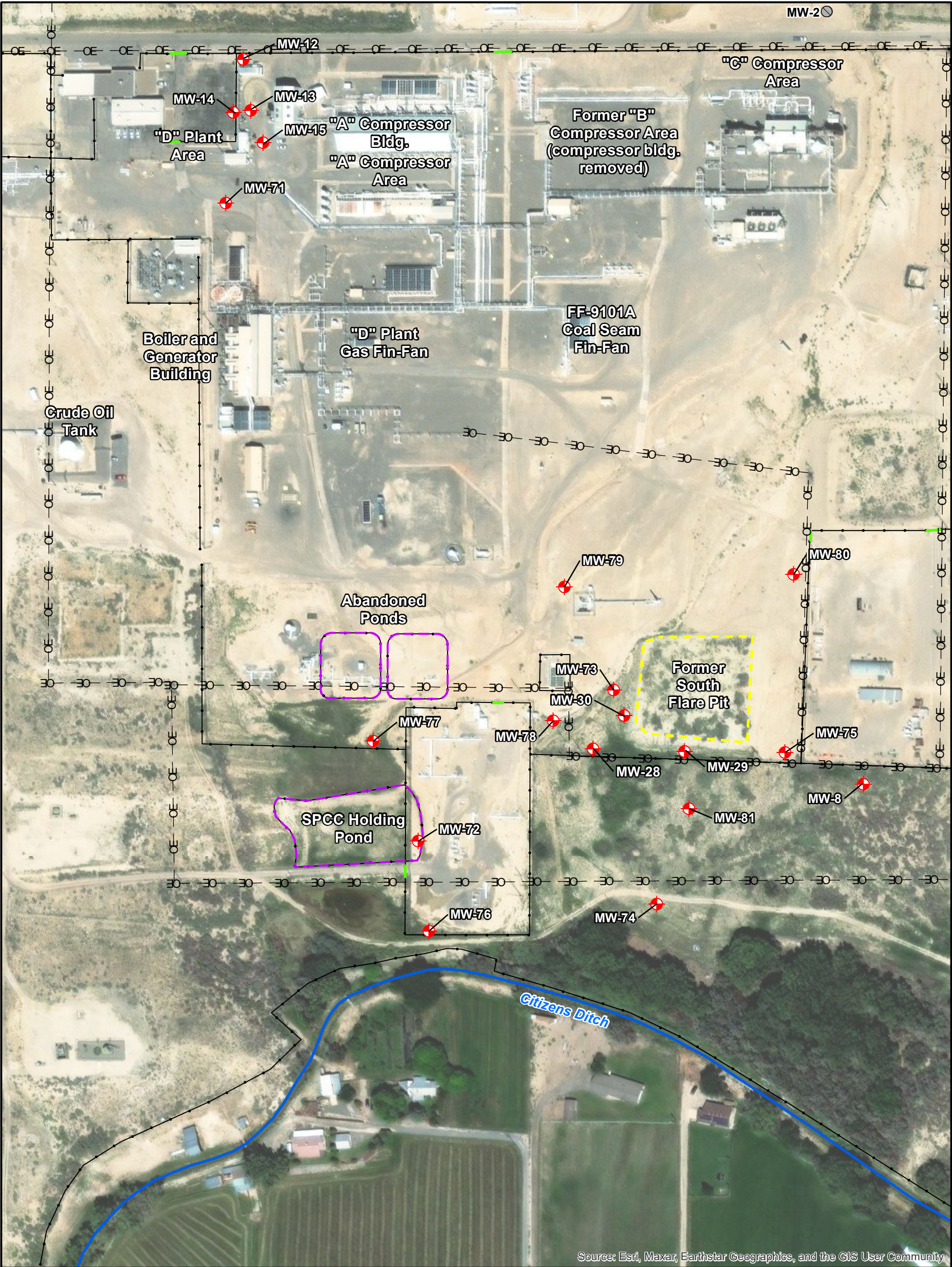




| REVISION                                         |  | DATE      | DESIGN BY                                                                             | DRAWN BY | REVIEWED BY |
|--------------------------------------------------|--|-----------|---------------------------------------------------------------------------------------|----------|-------------|
|                                                  |  | 2/13/2021 | SLG                                                                                   | SLG      | SRV         |
| TITLE                                            |  |           |  |          |             |
| PROJECT                                          |  |           | FIGURE                                                                                |          |             |
| SITE LOCATION                                    |  |           | 1                                                                                     |          |             |
| BLANCO SOUTH FLARE PIT<br>BLOOMFIELD, NEW MEXICO |  |           |                                                                                       |          |             |



\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\MXD\BLANCO SOUTH FLARE PIT\2023\Figure\_2\_BSFP\_Site\_Map.mxd



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

LEGEND

- MONITORING WELL
- ABANDONED/DESTROYED MONITORING WELL
- SITE FEATURE
- FENCE
- GATE
- OVERHEAD ELECTRIC
- PUBLIC WATER SUPPLY DIVERSION DITCH
- FLARE PIT

SCALE IN FEET

0

150

300

REVISION

DATE

DESIGN BY

DRAWN BY

REVIEWED BY

2024-02-01

SAH

SAH

SRV

TITLE:

SITE MAP

PROJECT:

BLANCO PLANT - SOUTH FLARE PIT AND D PLANT AREA

BLOOMFIELD, NEW MEXICO

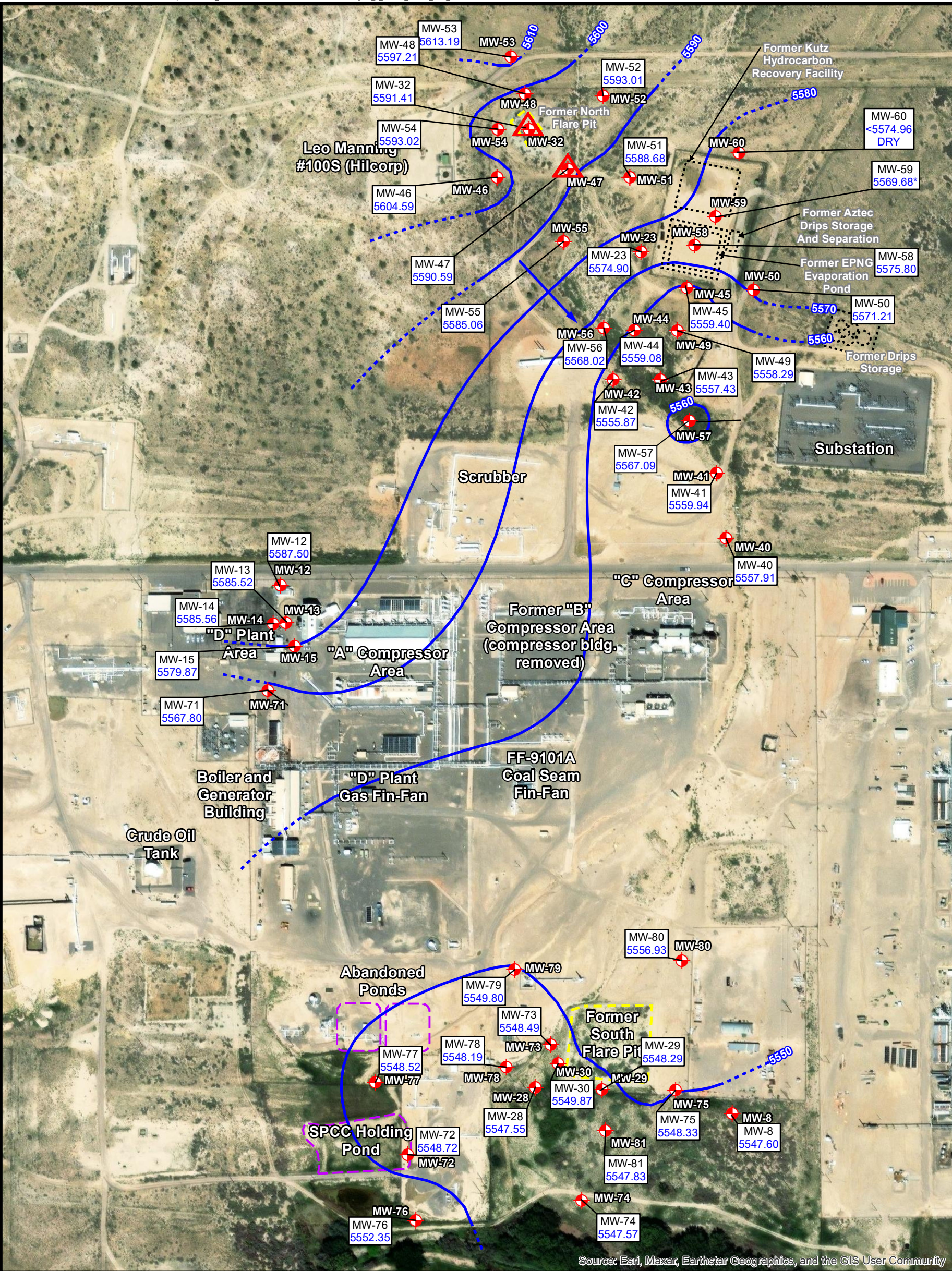
Stantec

Figure No.:


2





\\cd1001-c2001CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\MXD\BLANCO NORTH FLARE PIT\2024\Figure\_3\_Blanco\_GECM\_1SA\_V2.mxd






LEGEND


-  MONITORING WELL


 MONITORING WELL WITH MEASUREABLE LNAPL

 SITE FEATURE

 FLARE PIT
-  5553.05

 5570




- GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS WHERE PRESENT (FEET ABOVE MEAN SEA LEVEL).

CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).

DIRECTION OF APPARENT GROUNDWATER FLOW


NOT USED FOR CONTOURING

NOTE:

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID  
DRY = NO MEASURABLE WATER DETECTED;  
ELEVATION OF BOTTOM OF GAUGED WELL PROVIDED

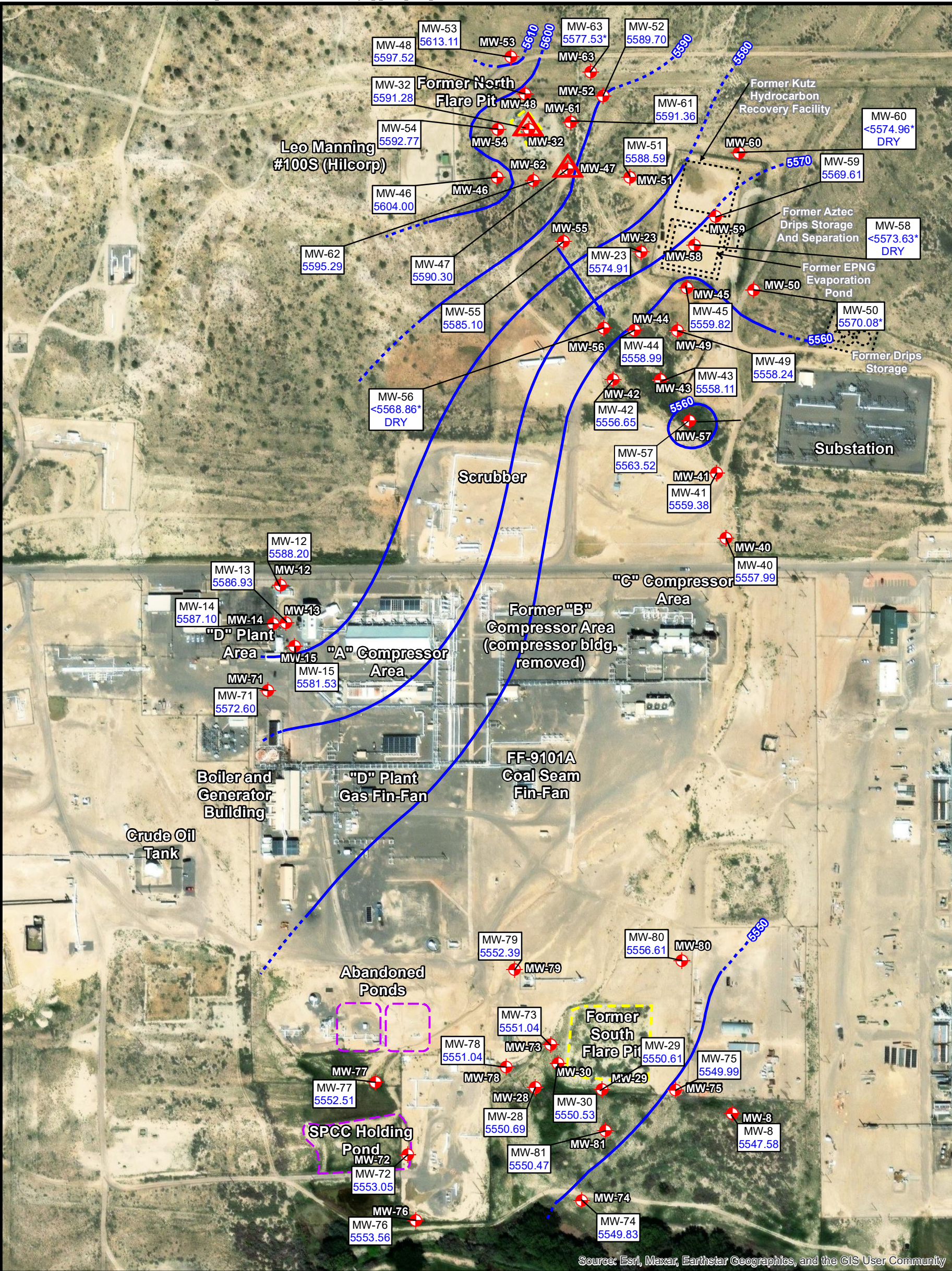


| REVISION | DATE       | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|------------|-----------|----------|-------------|
|          | 2025-02-11 | SAH       | SAH      | SRV         |

|                                                                                       |                         |
|---------------------------------------------------------------------------------------|-------------------------|
| TITLE:<br><b>GROUNDWATER ELEVATION MAP<br/>MAY 18, 2024</b>                           |                         |
| PROJECT:<br><b>BLANCO PLANT<br/>BLOOMFIELD, NEW MEXICO</b>                            |                         |
|  | Figure No.:<br><b>3</b> |



\\cd1001-c2001CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\_MXD\BLANCO NORTH FLARE PIT\2024\Figure\_4\_Blanco\_GECM\_2SA.mxd



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

LEGEND

- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE LNAPL
- SITE FEATURE
- FLARE PIT
- GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS WHERE PRESENT (FEET ABOVE MEAN SEA LEVEL).
- CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).
- DIRECTION OF APPARENT GROUNDWATER FLOW
- NOT USED FOR CONTOURING

NOTE:

LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID  
DRY = NO MEASURABLE WATER DETECTED;  
ELEVATION OF BOTTOM OF GAUGED WELL PROVIDED



| REVISION | DATE       | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|------------|-----------|----------|-------------|
|          | 2025-03-03 | SAH       | SAH      | SRV         |

|                                                                 |                         |
|-----------------------------------------------------------------|-------------------------|
| TITLE:<br><b>GROUNDWATER ELEVATION MAP<br/>NOVEMBER 4, 2024</b> |                         |
| PROJECT:<br><b>BLANCO PLANT<br/>BLOOMFIELD, NEW MEXICO</b>      |                         |
|                                                                 | Figure No.:<br><b>4</b> |



\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\MXD\BLANCO SOUTH FLARE PIT\2024\Figure\_5\_BSFP\_GARM\_2SA.mxd



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

LEGEND

- MONITORING WELL
- SITE FEATURE
- FENCE
- GATE
- PUBLIC WATER SUPPLY DIVERSION DITCH
- FLARE PIT

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.  
mg/L = MILLIGRAMS PER LITER  
<0.1 = BELOW METHOD DETECTION LIMIT  
DUP = DUPLICATE SAMPLE RESULT  
J- =THE ANALYTE WAS POSITIVELY IDENTIFIED; THE QUANTITATION IS AN ESTIMATION WITH A POTENTIAL LOW BIAS.

| ANALYTE             | NMWCQC STANDARD |
|---------------------|-----------------|
| Nitrate as Nitrogen | 10 mg/L         |



| REVISION | DATE       | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|------------|-----------|----------|-------------|
|          | 2025-02-05 | SLG       | SLG      | SRV         |

|                                                                                                |                         |
|------------------------------------------------------------------------------------------------|-------------------------|
| TITLE:<br><b>GROUNDWATER ANALYTICAL RESULTS - NITRATE<br/>NOVEMBER 5, 2024</b>                 |                         |
| PROJECT: <b>BLANCO PLANT - SOUTH FLARE PIT<br/>AND D PLANT AREA<br/>BLOOMFIELD, NEW MEXICO</b> |                         |
| Stantec                                                                                        | Figure No.:<br><b>5</b> |



# APPENDICES

# APPENDIX A

NMOCD Site Activity Notifications

**From:** [Varsa, Steve](#)  
**To:** [OCD.ENVIRO@EMNRD.NM.GOV](mailto:OCD.ENVIRO@EMNRD.NM.GOV)  
**Cc:** [Buchanan, Michael, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Wiley, Joe](#)  
**Subject:** El Paso Natural Gas Company - Blanco South Flare Pit and D Plant Area, Bloomfield (Incident Number nAPP2110640022) - notice of upcoming groundwater sampling activities  
**Date:** Monday, October 28, 2024 11:30:16 AM

---

This correspondence is to provide notice to the NMOCD of planned groundwater sampling activities at the above-referenced El Paso Natural Gas Company (EPNG) site. The site activities are to occur on November 4 and 5, 2024.

Please feel free to contact Joe Wiley, Project Manager at EPNG, or me, if you need further information.

Thank you,  
Steve

**Stephen Varsa, P.G., R.G.**  
Principal Hydrogeologist  
Stantec Environmental Services  
11311 Aurora Avenue  
Des Moines, Iowa 50322  
Direct: (515) 251-1020  
Cell: (515) 710-7523  
Office: (515) 253-0830  
[steve.varsa@stantec.com](mailto:steve.varsa@stantec.com)

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# APPENDIX B

Wastewater Disposal Documentation





envirotech

## Bill of Lading

Envirotech Inv 66775 on 11/14/24

MANIFEST # 88384

GENERATOR EIPASO see list below

POINT OF ORIGIN Rio Vista comp station

TRANSPORTER E Tech

DATE 11/15/24 JOB # 14073 - 0090

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

[illegible]

| Generator Onsite Contact | Phone |
|--------------------------|-------|
|--------------------------|-------|

*Signatures required prior to distribution of the legal document.*

DISTRIBUTION:    **White** - Company Records / Billing    **Yellow** - Customer    **Pink** - LF Copy

BOL# 88384

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/15/24TIME 11:00

Attach test strip here

CUSTOMER EL PASOSITE Rio vista <sup>SEE LIST</sup> Comp <sup>PEU</sup> station See BOL for ListDRIVER [Signature]

SAMPLE

Soil \_\_\_\_\_ Straight \_\_\_\_\_ With Dirt X

CHLORIDE TEST

400 mg/Kg

ACCEPTED

YES X

NO \_\_\_\_\_

PAINT FILTER TEST

Time started 11:00Time completed 11:10

PASS

YES X

NO \_\_\_\_\_

SAMPLER/ANALYST [Signature]

# APPENDIX C

Groundwater Laboratory Analytical Report



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Steve Varsa  
Stantec Consulting Services, Inc.  
11311 Aurora Avenue  
Des Moines, Iowa 50322-7904  
Generated 12/3/2024 5:25:23 PM Revision 1

## JOB DESCRIPTION

KM - Blanco South

## JOB NUMBER

885-14843-2

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Authorized for release by  
Catherine Upton, Project Manager  
[Catherine.upton@et.eurofinsus.com](mailto:Catherine.upton@et.eurofinsus.com)  
(505)345-3975

Generated  
12/3/2024 5:25:23 PM  
Revision 1

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Laboratory Job ID: 885-14843-2

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Definitions/Glossary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Qualifiers

HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |



## Case Narrative

Client: Stantec Consulting Services, Inc.  
Project: KM - Blanco South

Job ID: 885-14843-2

**Job ID: 885-14843-2**

**Eurofins Albuquerque**

**Job Narrative  
885-14843-2**

### REVISION

The report being provided is a revision of the original report sent on 11/19/2024. The report (revision 1) is being revised in order to see nitrate and nitrite on the report.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### **Receipt**

The samples were received on 11/6/2024 6:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

### **HPLC/IC**

Method 300.0: The nitrite recovery for sample MW-13MS (885-14843-4MS) in analytical batch 885-15493 was below control limits. Sample matrix interference is suspected because the nitrate required a dilution for analysis. The associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: MW-8**  
**Date Collected: 11/05/24 11:02**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-2**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/06/24 20:13 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/06/24 20:13 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/06/24 20:13 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-12

Date Collected: 11/05/24 09:12

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-3

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 4700   |           | 500  | 100 ug/L |   |          | 11/06/24 20:23 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/06/24 20:23 | 5       |
| Nitrate Nitrite as N | 4700   |           | 1000 | 110 ug/L |   |          | 11/06/24 20:23 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-13

Date Collected: 11/05/24 08:52

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-4

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 7300   |           | 500  | 100 ug/L |   |          | 11/06/24 20:34 | 5       |
| Nitrite              | <58    | F1        | 500  | 58 ug/L  |   |          | 11/06/24 20:34 | 5       |
| Nitrate Nitrite as N | 7300   |           | 1000 | 110 ug/L |   |          | 11/06/24 20:34 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-15

Date Collected: 11/05/24 08:38

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-6

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 14000  |           | 500  | 100 ug/L |   |          | 11/06/24 21:15 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/06/24 21:15 | 5       |
| Nitrate Nitrite as N | 14000  |           | 1000 | 110 ug/L |   |          | 11/06/24 21:15 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: MW-28**  
**Date Collected: 11/05/24 10:04**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-7**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 33000  |           | 500  | 100 ug/L |   |          | 11/06/24 21:56 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/06/24 21:56 | 5       |
| Nitrate Nitrite as N | 33000  |           | 1000 | 110 ug/L |   |          | 11/06/24 21:56 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-29

Date Collected: 11/05/24 09:41

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-8

Matrix: Water

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|------------------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte                                        | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate                                        | 110000 |           | 2000 | 400 | ug/L |   |          | 11/08/24 10:18 | 20      |
| Nitrite                                        | 800    | J         | 2000 | 230 | ug/L |   |          | 11/08/24 10:18 | 20      |
| Nitrate Nitrite as N                           | 110000 |           | 4000 | 450 | ug/L |   |          | 11/08/24 10:18 | 20      |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-30

Date Collected: 11/05/24 09:48

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-9

Matrix: Water

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|------------------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte                                        | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate                                        | 34000  |           | 500  | 100 | ug/L |   |          | 11/06/24 22:17 | 5       |
| Nitrite                                        | 190    | J         | 500  | 58  | ug/L |   |          | 11/06/24 22:17 | 5       |
| Nitrate Nitrite as N                           | 34000  |           | 1000 | 110 | ug/L |   |          | 11/06/24 22:17 | 5       |



Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-71  
Date Collected: 11/05/24 08:15  
Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-10  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 16000  |           | 500  | 100 ug/L |   |          | 11/06/24 22:28 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/06/24 22:28 | 5       |
| Nitrate Nitrite as N | 16000  |           | 1000 | 110 ug/L |   |          | 11/06/24 22:28 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-72

Date Collected: 11/05/24 10:30

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-11

Matrix: Water

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|------------------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte                                        | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate                                        | 8800   |           | 500  | 100 | ug/L |   |          | 11/06/24 22:38 | 5       |
| Nitrite                                        | <58    |           | 500  | 58  | ug/L |   |          | 11/06/24 22:38 | 5       |
| Nitrate Nitrite as N                           | 8800   |           | 1000 | 110 | ug/L |   |          | 11/06/24 22:38 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: MW-73**  
**Date Collected: 11/05/24 10:00**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-12**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Nitrate              | 43000  |           | 1000 | 200 | ug/L |   |          | 11/08/24 10:28 | 10      |
| Nitrite              | <120   |           | 1000 | 120 | ug/L |   |          | 11/08/24 10:28 | 10      |
| Nitrate Nitrite as N | 43000  |           | 2000 | 220 | ug/L |   |          | 11/08/24 10:28 | 10      |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-74

Date Collected: 11/05/24 11:12

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-13

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 1800   |           | 500  | 100 ug/L |   |          | 11/07/24 15:00 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/07/24 15:00 | 5       |
| Nitrate Nitrite as N | 1800   |           | 1000 | 110 ug/L |   |          | 11/07/24 15:00 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: MW-75**  
**Date Collected: 11/05/24 09:35**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-14**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 70000  |           | 2000 | 400 ug/L |   |          | 11/09/24 04:43 | 20      |
| Nitrite              | <230   |           | 2000 | 230 ug/L |   |          | 11/09/24 04:43 | 20      |
| Nitrate Nitrite as N | 70000  |           | 4000 | 450 ug/L |   |          | 11/09/24 04:43 | 20      |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-76

Date Collected: 11/05/24 10:33

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-15

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 280    | J         | 500  | 100 ug/L |   |          | 11/07/24 15:20 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/07/24 15:20 | 5       |
| Nitrate Nitrite as N | 280    | J         | 1000 | 110 ug/L |   |          | 11/07/24 15:20 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-77

Date Collected: 11/05/24 10:43

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-16

Matrix: Water

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|------------------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte                                        | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate                                        | 53000  |           | 1000 | 200 | ug/L |   |          | 11/09/24 04:54 | 10      |
| Nitrite                                        | <120   |           | 1000 | 120 | ug/L |   |          | 11/09/24 04:54 | 10      |
| Nitrate Nitrite as N                           | 53000  |           | 2000 | 220 | ug/L |   |          | 11/09/24 04:54 | 10      |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: MW-78**  
**Date Collected: 11/05/24 10:13**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-17**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 12000  |           | 500  | 100 ug/L |   |          | 11/07/24 16:12 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/07/24 16:12 | 5       |
| Nitrate Nitrite as N | 12000  |           | 1000 | 110 ug/L |   |          | 11/07/24 16:12 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: MW-79**  
**Date Collected: 11/05/24 09:23**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-18**  
**Matrix: Water**

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|------------------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte                                        | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate                                        | 860    |           | 500  | 100 | ug/L |   |          | 11/07/24 16:43 | 5       |
| Nitrite                                        | <58    |           | 500  | 58  | ug/L |   |          | 11/07/24 16:43 | 5       |
| Nitrate Nitrite as N                           | 860 J  |           | 1000 | 110 | ug/L |   |          | 11/07/24 16:43 | 5       |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: MW-80**  
**Date Collected: 11/05/24 09:28**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-19**  
**Matrix: Water**

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|------------------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte                                        | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate                                        | 100000 |           | 2000 | 400 | ug/L |   |          | 11/09/24 05:05 | 20      |
| Nitrite                                        | <230   |           | 2000 | 230 | ug/L |   |          | 11/09/24 05:05 | 20      |
| Nitrate Nitrite as N                           | 100000 |           | 4000 | 450 | ug/L |   |          | 11/09/24 05:05 | 20      |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-81

Date Collected: 11/05/24 11:07

Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-20

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Nitrate              | 36000  |           | 1000 | 200 | ug/L |   |          | 11/09/24 05:16 | 10      |
| Nitrite              | <120   |           | 1000 | 120 | ug/L |   |          | 11/09/24 05:16 | 10      |
| Nitrate Nitrite as N | 36000  |           | 2000 | 220 | ug/L |   |          | 11/09/24 05:16 | 10      |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: DUP-01**  
**Date Collected: 11/05/24 00:00**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-21**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 7800   |           | 500  | 100 ug/L |   |          | 11/07/24 17:14 | 5       |
| Nitrite              | 240    | J         | 500  | 58 ug/L  |   |          | 11/07/24 17:14 | 5       |
| Nitrate Nitrite as N | 8000   |           | 1000 | 110 ug/L |   |          | 11/07/24 17:14 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: DUP-02**  
**Date Collected: 11/05/24 00:00**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-22**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 33000  |           | 500  | 100 ug/L |   |          | 11/07/24 17:25 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/07/24 17:25 | 5       |
| Nitrate Nitrite as N | 33000  |           | 1000 | 110 ug/L |   |          | 11/07/24 17:25 | 5       |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-15493/4

Matrix: Water

Analysis Batch: 15493

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB<br>Result | MB<br>Qualifier | RL  | Unit    | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|-----|---------|---|----------|----------------|---------|
| Nitrate              | <20          |                 | 100 | 20 ug/L |   |          | 11/06/24 16:05 | 1       |
| Nitrite              | <12          |                 | 100 | 12 ug/L |   |          | 11/06/24 16:05 | 1       |
| Nitrate Nitrite as N | <22          |                 | 200 | 22 ug/L |   |          | 11/06/24 16:05 | 1       |

Lab Sample ID: LCS 885-15493/5

Matrix: Water

Analysis Batch: 15493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|----------------|
| Nitrate              | 2500           | 2470          |                  | ug/L |   | 99   | 90 - 110       |
| Nitrite              | 1000           | 931           |                  | ug/L |   | 93   | 90 - 110       |
| Nitrate Nitrite as N | 3500           | 3400          |                  | ug/L |   | 97   | 90 - 110       |

Lab Sample ID: MRL 885-15493/3

Matrix: Water

Analysis Batch: 15493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | MRL<br>Result | MRL<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|----------------|
| Nitrate              | 0.100          | 0.101         |                  | mg/L |   | 101  | 50 - 150       |
| Nitrite              | 0.100          | 0.102         |                  | mg/L |   | 101  | 50 - 150       |
| Nitrate Nitrite as N | 0.200          | 0.203         |                  | mg/L |   | 101  | 50 - 150       |

Lab Sample ID: 885-14843-4 MS

Matrix: Water

Analysis Batch: 15493

Client Sample ID: MW-13

Prep Type: Total/NA

| Analyte              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------------|
| Nitrate              | 7300             |                     | 12500          | 19200        |                 | ug/L |   | 95   | 80 - 120       |
| Nitrite              | <58              | F1                  | 5000           | 3710         | F1              | ug/L |   | 74   | 80 - 120       |
| Nitrate Nitrite as N | 7300             |                     | 17500          | 22900        |                 | ug/L |   | 89   | 80 - 120       |

Lab Sample ID: 885-14843-4 MSD

Matrix: Water

Analysis Batch: 15493

Client Sample ID: MW-13

Prep Type: Total/NA

| Analyte              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|----------------|-----|--------------|
| Nitrate              | 7300             |                     | 12500          | 19800         |                  | ug/L |   | 100  | 80 - 120       | 3   | 20           |
| Nitrite              | <58              | F1                  | 5000           | 3980          |                  | ug/L |   | 80   | 80 - 120       | 7   | 20           |
| Nitrate Nitrite as N | 7300             |                     | 17500          | 23800         |                  | ug/L |   | 94   | 80 - 120       | 4   | 20           |

Lab Sample ID: MB 885-15518/4

Matrix: Water

Analysis Batch: 15518

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB<br>Result | MB<br>Qualifier | RL  | Unit    | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|-----|---------|---|----------|----------------|---------|
| Nitrate              | <20          |                 | 100 | 20 ug/L |   |          | 11/07/24 09:25 | 1       |
| Nitrite              | <12          |                 | 100 | 12 ug/L |   |          | 11/07/24 09:25 | 1       |
| Nitrate Nitrite as N | <22          |                 | 200 | 22 ug/L |   |          | 11/07/24 09:25 | 1       |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-15518/5

Matrix: Water

Analysis Batch: 15518

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate              | 2500        | 2490       |               | ug/L |   | 100  | 90 - 110    |
| Nitrite              | 1000        | 936        |               | ug/L |   | 94   | 90 - 110    |
| Nitrate Nitrite as N | 3500        | 3430       |               | ug/L |   | 98   | 90 - 110    |

Lab Sample ID: MRL 885-15518/3

Matrix: Water

Analysis Batch: 15518

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate              | 0.100       | 0.101      |               | mg/L |   | 101  | 50 - 150    |
| Nitrite              | 0.100       | 0.102      |               | mg/L |   | 101  | 50 - 150    |
| Nitrate Nitrite as N | 0.200       | 0.203      |               | mg/L |   | 101  | 50 - 150    |

Lab Sample ID: MB 885-15582/4

Matrix: Water

Analysis Batch: 15582

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB Result | MB Qualifier | RL  | Unit    | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|-----|---------|---|----------|----------------|---------|
| Nitrate              | <20       |              | 100 | 20 ug/L |   |          | 11/08/24 08:24 | 1       |
| Nitrite              | <12       |              | 100 | 12 ug/L |   |          | 11/08/24 08:24 | 1       |
| Nitrate Nitrite as N | <22       |              | 200 | 22 ug/L |   |          | 11/08/24 08:24 | 1       |

Lab Sample ID: LCS 885-15582/5

Matrix: Water

Analysis Batch: 15582

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate              | 2500        | 2540       |               | ug/L |   | 102  | 90 - 110    |
| Nitrite              | 1000        | 953        |               | ug/L |   | 95   | 90 - 110    |
| Nitrate Nitrite as N | 3500        | 3490       |               | ug/L |   | 100  | 90 - 110    |

Lab Sample ID: MRL 885-15582/3

Matrix: Water

Analysis Batch: 15582

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate              | 0.100       | 0.102      |               | mg/L |   | 102  | 50 - 150    |
| Nitrite              | 0.100       | 0.102      |               | mg/L |   | 102  | 50 - 150    |
| Nitrate Nitrite as N | 0.200       | 0.204      |               | mg/L |   | 102  | 50 - 150    |

Lab Sample ID: MB 885-15597/4

Matrix: Water

Analysis Batch: 15597

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB Result | MB Qualifier | RL  | Unit    | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|-----|---------|---|----------|----------------|---------|
| Nitrate              | <20       |              | 100 | 20 ug/L |   |          | 11/08/24 19:29 | 1       |
| Nitrite              | <12       |              | 100 | 12 ug/L |   |          | 11/08/24 19:29 | 1       |
| Nitrate Nitrite as N | <22       |              | 200 | 22 ug/L |   |          | 11/08/24 19:29 | 1       |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

## Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-15597/5

Matrix: Water

Analysis Batch: 15597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate              | 2500        | 2510       |               | ug/L |   | 100  | 90 - 110    |
| Nitrite              | 1000        | 921        |               | ug/L |   | 92   | 90 - 110    |
| Nitrate Nitrite as N | 3500        | 3430       |               | ug/L |   | 98   | 90 - 110    |

Lab Sample ID: MRL 885-15597/3

Matrix: Water

Analysis Batch: 15597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate              | 0.100       | 0.101      |               | mg/L |   | 101  | 50 - 150    |
| Nitrite              | 0.100       | 0.0999     | J             | mg/L |   | 100  | 50 - 150    |
| Nitrate Nitrite as N | 0.200       | 0.201      |               | mg/L |   | 100  | 50 - 150    |

Lab Sample ID: MB 885-15892/4

Matrix: Water

Analysis Batch: 15892

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB Result | MB Qualifier | RL  | Unit    | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|-----|---------|---|----------|----------------|---------|
| Nitrate              | <20       |              | 100 | 20 ug/L |   |          | 11/14/24 08:01 | 1       |
| Nitrite              | <12       |              | 100 | 12 ug/L |   |          | 11/14/24 08:01 | 1       |
| Nitrate Nitrite as N | <22       |              | 200 | 22 ug/L |   |          | 11/14/24 08:01 | 1       |

Lab Sample ID: LCS 885-15892/5

Matrix: Water

Analysis Batch: 15892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate              | 2500        | 2620       |               | ug/L |   | 105  | 90 - 110    |
| Nitrite              | 1000        | 970        |               | ug/L |   | 97   | 90 - 110    |
| Nitrate Nitrite as N | 3500        | 3590       |               | ug/L |   | 103  | 90 - 110    |

Lab Sample ID: 885-14843-17 MS

Matrix: Water

Analysis Batch: 15892

Client Sample ID: MW-78

Prep Type: Total/NA

| Analyte              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Nitrate              | 12000         |                  | 12500       | 24700     |              | ug/L |   | 102  | 80 - 120    |
| Nitrite              | <58           |                  | 5000        | 4490      |              | ug/L |   | 90   | 80 - 120    |
| Nitrate Nitrite as N | 12000         |                  | 17500       | 29200     |              | ug/L |   | 98   | 80 - 120    |

Lab Sample ID: 885-14843-17 MSD

Matrix: Water

Analysis Batch: 15892

Client Sample ID: MW-78

Prep Type: Total/NA

| Analyte              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Nitrate              | 12000         |                  | 12500       | 24400      |               | ug/L |   | 100  | 80 - 120    | 1   | 20        |
| Nitrite              | <58           |                  | 5000        | 4480       |               | ug/L |   | 90   | 80 - 120    | 0   | 20        |
| Nitrate Nitrite as N | 12000         |                  | 17500       | 28900      |               | ug/L |   | 96   | 80 - 120    | 1   | 20        |

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## QC Association Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

## HPLC/IC

## Analysis Batch: 15493

| Lab Sample ID   | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-14843-2     | MW-8               | Total/NA  | Water  | 300.0  |            |
| 885-14843-3     | MW-12              | Total/NA  | Water  | 300.0  |            |
| 885-14843-4     | MW-13              | Total/NA  | Water  | 300.0  |            |
| 885-14843-6     | MW-15              | Total/NA  | Water  | 300.0  |            |
| 885-14843-7     | MW-28              | Total/NA  | Water  | 300.0  |            |
| 885-14843-9     | MW-30              | Total/NA  | Water  | 300.0  |            |
| 885-14843-10    | MW-71              | Total/NA  | Water  | 300.0  |            |
| 885-14843-11    | MW-72              | Total/NA  | Water  | 300.0  |            |
| MB 885-15493/4  | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 885-15493/5 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| MRL 885-15493/3 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| 885-14843-4 MS  | MW-13              | Total/NA  | Water  | 300.0  |            |
| 885-14843-4 MSD | MW-13              | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 15518

| Lab Sample ID   | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-14843-13    | MW-74              | Total/NA  | Water  | 300.0  |            |
| 885-14843-15    | MW-76              | Total/NA  | Water  | 300.0  |            |
| 885-14843-17    | MW-78              | Total/NA  | Water  | 300.0  |            |
| 885-14843-18    | MW-79              | Total/NA  | Water  | 300.0  |            |
| 885-14843-21    | DUP-01             | Total/NA  | Water  | 300.0  |            |
| 885-14843-22    | DUP-02             | Total/NA  | Water  | 300.0  |            |
| MB 885-15518/4  | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 885-15518/5 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| MRL 885-15518/3 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 15582

| Lab Sample ID   | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-14843-8     | MW-29              | Total/NA  | Water  | 300.0  |            |
| 885-14843-12    | MW-73              | Total/NA  | Water  | 300.0  |            |
| MB 885-15582/4  | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 885-15582/5 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| MRL 885-15582/3 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 15597

| Lab Sample ID   | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-14843-14    | MW-75              | Total/NA  | Water  | 300.0  |            |
| 885-14843-16    | MW-77              | Total/NA  | Water  | 300.0  |            |
| 885-14843-19    | MW-80              | Total/NA  | Water  | 300.0  |            |
| 885-14843-20    | MW-81              | Total/NA  | Water  | 300.0  |            |
| MB 885-15597/4  | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 885-15597/5 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| MRL 885-15597/3 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 15892

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| MB 885-15892/4   | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 885-15892/5  | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| 885-14843-17 MS  | MW-78              | Total/NA  | Water  | 300.0  |            |
| 885-14843-17 MSD | MW-78              | Total/NA  | Water  | 300.0  |            |

Eurofins Albuquerque

## Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: MW-8****Date Collected: 11/05/24 11:02****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-2****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15493        | RC      | EET ALB | 11/06/24 20:13       |

**Client Sample ID: MW-12****Date Collected: 11/05/24 09:12****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-3****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15493        | RC      | EET ALB | 11/06/24 20:23       |

**Client Sample ID: MW-13****Date Collected: 11/05/24 08:52****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-4****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15493        | RC      | EET ALB | 11/06/24 20:34       |

**Client Sample ID: MW-15****Date Collected: 11/05/24 08:38****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-6****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15493        | RC      | EET ALB | 11/06/24 21:15       |

**Client Sample ID: MW-28****Date Collected: 11/05/24 10:04****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-7****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15493        | RC      | EET ALB | 11/06/24 21:56       |

**Client Sample ID: MW-29****Date Collected: 11/05/24 09:41****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-8****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 20              | 15582        | ES      | EET ALB | 11/08/24 10:18       |

**Client Sample ID: MW-30****Date Collected: 11/05/24 09:48****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-9****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15493        | RC      | EET ALB | 11/06/24 22:17       |

Eurofins Albuquerque

## Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

**Client Sample ID: MW-71****Date Collected: 11/05/24 08:15****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-10****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15493        | RC      | EET ALB | 11/06/24 22:28       |

**Client Sample ID: MW-72****Date Collected: 11/05/24 10:30****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-11****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15493        | RC      | EET ALB | 11/06/24 22:38       |

**Client Sample ID: MW-73****Date Collected: 11/05/24 10:00****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-12****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 10              | 15582        | ES      | EET ALB | 11/08/24 10:28       |

**Client Sample ID: MW-74****Date Collected: 11/05/24 11:12****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-13****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15518        | EH      | EET ALB | 11/07/24 15:00       |

**Client Sample ID: MW-75****Date Collected: 11/05/24 09:35****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-14****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 20              | 15597        | EH      | EET ALB | 11/09/24 04:43       |

**Client Sample ID: MW-76****Date Collected: 11/05/24 10:33****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-15****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15518        | EH      | EET ALB | 11/07/24 15:20       |

**Client Sample ID: MW-77****Date Collected: 11/05/24 10:43****Date Received: 11/06/24 06:45****Lab Sample ID: 885-14843-16****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 10              | 15597        | EH      | EET ALB | 11/09/24 04:54       |

Eurofins Albuquerque

Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Client Sample ID: MW-78  
Date Collected: 11/05/24 10:13  
Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-17  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15518        | EH      | EET ALB | 11/07/24 16:12       |

Client Sample ID: MW-79  
Date Collected: 11/05/24 09:23  
Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-18  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15518        | EH      | EET ALB | 11/07/24 16:43       |

Client Sample ID: MW-80  
Date Collected: 11/05/24 09:28  
Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-19  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 20              | 15597        | EH      | EET ALB | 11/09/24 05:05       |

Client Sample ID: MW-81  
Date Collected: 11/05/24 11:07  
Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-20  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 10              | 15597        | EH      | EET ALB | 11/09/24 05:16       |

Client Sample ID: DUP-01  
Date Collected: 11/05/24 00:00  
Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-21  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15518        | EH      | EET ALB | 11/07/24 17:14       |

Client Sample ID: DUP-02  
Date Collected: 11/05/24 00:00  
Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-22  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15518        | EH      | EET ALB | 11/07/24 17:25       |

Laboratory References:  
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|----------------------|
| New Mexico                                                                                                                                                                                            | State       | NM9425, NM0901        | 02-26-25             |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                      |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte              |
| 300.0                                                                                                                                                                                                 |             | Water                 | Nitrate              |
| 300.0                                                                                                                                                                                                 |             | Water                 | Nitrate Nitrite as N |
| 300.0                                                                                                                                                                                                 |             | Water                 | Nitrite              |
| Oregon                                                                                                                                                                                                | NELAP       | NM100001              | 02-26-25             |

## Eurofins Albuquerque

4901 Hawkins NE  
Albuquerque, NM 87109  
Phone (505) 345-3975

## Chain of Custody Record

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885-14843 COC

|                                                                                                                                                                                                                                   |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------|----------------------------|--------------------------------|-----------------------------------------|---------------------------------------------|----------------------------|
| <b>Client Information</b>                                                                                                                                                                                                         |       | Sampler: <u>SRL, TSS</u>                                                     |             | Lab PM: <u>Upton, Catherine</u>                                                                                                                                     |                                                             | Carrier Tracking No(s)                |                            | COC No: <u>885-2284-389 1</u>  |                                         |                                             |                            |
| Client Contact: <u>Steve Varsa</u>                                                                                                                                                                                                |       | Phone: <u>913 980 0281</u>                                                   |             | E-Mail: <u>Catherine.upton@et.eurofinsus.com</u>                                                                                                                    |                                                             | State of Origin: <u>NM</u>            |                            | Page: <u>1 of 2</u>            |                                         |                                             |                            |
| Company: <u>Stantec Consulting Services, Inc</u>                                                                                                                                                                                  |       | PWSID:                                                                       |             | Analysis Requested                                                                                                                                                  |                                                             |                                       |                            |                                |                                         | Job #:                                      |                            |
| Address: <u>11311 Aurora Avenue</u>                                                                                                                                                                                               |       | Due Date Requested:                                                          |             | <div>Field Filtered Sample (Yes or No)</div> <div>Perform MS/MSD (Yes or No)</div> <div>8260B - (MOD) BTEX</div> <div>300_OF_26D_NO3 - Nitrate + Nitrite as N</div> |                                                             |                                       |                            |                                |                                         | Preservation Codes:<br>A - HCL<br>S - H2SO4 |                            |
| City: <u>Des Moines</u>                                                                                                                                                                                                           |       | TAT Requested (days): <u>STD</u>                                             |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         | Other: <u>Wet ICC</u>                       |                            |
| State Zip: <u>IA 50322-7904</u>                                                                                                                                                                                                   |       | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         | Special Instructions/Note:                  |                            |
| Phone: <u>515-253-0830</u>                                                                                                                                                                                                        |       | PO #: <u>WD1142114</u>                                                       |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Email: <u>steve.varsa@stantec.com</u>                                                                                                                                                                                             |       | WO #:                                                                        |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Project Name: <u>KM - Blanco South</u>                                                                                                                                                                                            |       | Project #: <u>88502511</u>                                                   |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Site: <u>See ARF</u>                                                                                                                                                                                                              |       | SSOW#:                                                                       |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Sample Identification                                                                                                                                                                                                             |       | Sample Date                                                                  | Sample Time | Sample Type<br>(C=Comp, G=grab)                                                                                                                                     | Matrix<br>(W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No)     | Perform MS/MSD (Yes or No) | 8260B - (MOD) BTEX             | 300_OF_26D_NO3 - Nitrate + Nitrite as N | Total Number of containers                  | Special Instructions/Note: |
|                                                                                                                                                                                                                                   |       |                                                                              |             | Preservation Code                                                                                                                                                   |                                                             |                                       |                            |                                |                                         |                                             |                            |
| 1                                                                                                                                                                                                                                 | TB-01 | 11/5/2024                                                                    | 0700        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 3                              |                                         | 3                                           | Tr p Blank                 |
| 2                                                                                                                                                                                                                                 | MW-8  | 11/5/2024                                                                    | 1102        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| 3                                                                                                                                                                                                                                 | MW-12 | 11/5/2024                                                                    | 0912        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 2                              | 1                                       | 3                                           |                            |
| 4                                                                                                                                                                                                                                 | MW-13 | 11/5/2024                                                                    | 0852        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 4                              | 6                                       | 7                                           | MSMSD                      |
| 5                                                                                                                                                                                                                                 | MW-14 | 11/5/2024                                                                    | 1140        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 2                              | 1                                       | 3                                           |                            |
| 6                                                                                                                                                                                                                                 | MW-15 | 11/5/2024                                                                    | 0838        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 2                              | 1                                       | 3                                           |                            |
| 7                                                                                                                                                                                                                                 | MW-28 | 11/5/2024                                                                    | 1004        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| 8                                                                                                                                                                                                                                 | MW-29 | 11/5/2024                                                                    | 0941        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| 9                                                                                                                                                                                                                                 | MW-30 | 11/5/2024                                                                    | 0948        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| 10                                                                                                                                                                                                                                | MW-71 | 11/5/2024                                                                    | 0815        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 2                              | 1                                       | 3                                           |                            |
| 11                                                                                                                                                                                                                                | MW-72 | 11/5/2024                                                                    | 1030        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| <b>Possible Hazard Identification</b>                                                                                                                                                                                             |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Deliverable Requested I, II, III, IV, Other (specify) <u>See ARF</u>                                                                                                                                                              |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>                                                                                                                                        |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months                                                                                   |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Special Instructions/QC Requirements                                                                                                                                                                                              |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____                                                                                                                                                |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Relinquished by: <u>Sean R. Clay</u>                                                                                                                                                                                              |       | Date/Time: <u>11/5/2024 1250</u>                                             |             | Company: <u>STW</u>                                                                                                                                                 |                                                             | Received by: <u>Christina Wheeler</u> |                            | Date/Time: <u>11/5/24 1250</u> |                                         | Company: <u>Eurofins</u>                    |                            |
| Relinquished by: <u>Christa Walt</u>                                                                                                                                                                                              |       | Date/Time: <u>11/5/24 1745</u>                                               |             | Company: <u>Eurofins</u>                                                                                                                                            |                                                             | Received by: <u>[Signature]</u>       |                            | Date/Time: <u>11/6/24 6:45</u> |                                         | Company: <u>Carrie</u>                      |                            |
| Relinquished by: _____                                                                                                                                                                                                            |       | Date/Time: _____                                                             |             | Company: _____                                                                                                                                                      |                                                             | Received by: _____                    |                            | Date/Time: _____               |                                         | Company: _____                              |                            |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                    |       | Custody Seal No                                                              |             | Cooler Temperature(s) °C and Other Remarks: <u>4.8-0.1=4.7~ major</u>                                                                                               |                                                             |                                       |                            |                                |                                         |                                             |                            |

Ver: 05/06/2024



Eurofins Albuquerque

4901 Hawkins NE  
Albuquerque, NM 87109  
Phone (505) 345-3975

Chain of Custody Record

|                                                                                                                                                                                                                                   |  |                                                                                         |  |                                                                                                                                                                      |  |                                 |  |                                                             |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--|-------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|--|--------------------|--|-----------------------------------------|--|----------------------------|--|----------------------------|--|--|--|
| <b>Client Information</b>                                                                                                                                                                                                         |  | Sampler <u>SRLTJS</u>                                                                   |  | Lab PM<br>Upton, Catherine                                                                                                                                           |  | Carrier Tracking No(s)          |  | COC No:<br>885-2284-389 1                                   |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Client Contact:<br>Steve Varsa                                                                                                                                                                                                    |  | Phone                                                                                   |  | E-Mail:<br>Catherine.upton@et.eurofinsus.com                                                                                                                         |  | State of Origin<br><u>NM</u>    |  | Page <u>2</u><br>Page <u>2</u> of <u>3</u>                  |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Company:<br>Stantec Consulting Services, Inc.                                                                                                                                                                                     |  | PWSID:                                                                                  |  | <b>Analysis Requested</b>                                                                                                                                            |  |                                 |  |                                                             |  | Job #:                                                                                                                                          |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Address<br>11311 Aurora Avenue                                                                                                                                                                                                    |  | Due Date Requested:                                                                     |  | <div>Field Filtered Sample (Yes or No)</div> <div>Perform: MS/MSD (Yes or No)</div> <div>8260B - (MOD) BTEX</div> <div>300_OF_28D_NO3 - Nitrate + Nitrite as N</div> |  |                                 |  |                                                             |  | Preservation Codes:<br>A - HCL<br>S - H2SO4                                                                                                     |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| City:<br>Des Moines                                                                                                                                                                                                               |  | TAT Requested (days):<br><u>STD</u>                                                     |  |                                                                                                                                                                      |  |                                 |  |                                                             |  | Other: <u>Wet Ice</u>                                                                                                                           |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| State Zip<br>IA, 50322-7904                                                                                                                                                                                                       |  | Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |  |                                                                                                                                                                      |  |                                 |  |                                                             |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Phone<br><u>515-253-0830</u>                                                                                                                                                                                                      |  | PO #:<br>WD1142114                                                                      |  |                                                                                                                                                                      |  |                                 |  |                                                             |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Email<br>steve.varsa@stantec.com                                                                                                                                                                                                  |  | WVO #:                                                                                  |  |                                                                                                                                                                      |  |                                 |  |                                                             |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Project Name<br>KM - Blanco South                                                                                                                                                                                                 |  | Project #:<br>88502511                                                                  |  |                                                                                                                                                                      |  |                                 |  |                                                             |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Site:<br><u>See ARF</u>                                                                                                                                                                                                           |  | SSOW#:                                                                                  |  |                                                                                                                                                                      |  |                                 |  |                                                             |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| <b>Sample Identification</b>                                                                                                                                                                                                      |  | Sample Date                                                                             |  | Sample Time                                                                                                                                                          |  | Sample Type<br>(C=comp, G=grab) |  | Matrix<br>(W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) |  | Field Filtered Sample (Yes or No)                                                                                                               |  | Perform: MS/MSD (Yes or No)        |  | 8260B - (MOD) BTEX |  | 300_OF_28D_NO3 - Nitrate + Nitrite as N |  | Total Number of containers |  | Special Instructions/Note: |  |  |  |
|                                                                                                                                                                                                                                   |  |                                                                                         |  |                                                                                                                                                                      |  | Preservation Code:              |  |                                                             |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| 12 MW-73                                                                                                                                                                                                                          |  | 11/5/2024                                                                               |  | 1000                                                                                                                                                                 |  | G                               |  | Water                                                       |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| 13 MW-74                                                                                                                                                                                                                          |  | 11/5/2024                                                                               |  | 1112                                                                                                                                                                 |  | G                               |  | Water                                                       |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| 14 MW-75                                                                                                                                                                                                                          |  | 11/5/2024                                                                               |  | 0935                                                                                                                                                                 |  | G                               |  | Water                                                       |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| 15 MW-76                                                                                                                                                                                                                          |  | 11/5/2024                                                                               |  | 1033                                                                                                                                                                 |  | G                               |  | Water                                                       |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| 16 MW-77                                                                                                                                                                                                                          |  | 11/5/2024                                                                               |  | 1043                                                                                                                                                                 |  | G                               |  | Water                                                       |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| 17 MW-78                                                                                                                                                                                                                          |  | 11/5/2024                                                                               |  | 1013                                                                                                                                                                 |  | G                               |  | Water                                                       |  | Y                                                                                                                                               |  |                                    |  |                    |  |                                         |  |                            |  | MSMSD                      |  |  |  |
| 18 MW-79                                                                                                                                                                                                                          |  | 11/5/2024                                                                               |  | 0923                                                                                                                                                                 |  | G                               |  | Water                                                       |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| 19 MW-80                                                                                                                                                                                                                          |  | 11/5/2024                                                                               |  | 0928                                                                                                                                                                 |  | G                               |  | Water                                                       |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| 20 MW-81                                                                                                                                                                                                                          |  | 11/5/2024                                                                               |  | 1107                                                                                                                                                                 |  | G                               |  | Water                                                       |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| 21 DUP-01                                                                                                                                                                                                                         |  | 11/5/2024                                                                               |  | ---                                                                                                                                                                  |  | G                               |  | Water                                                       |  | 2                                                                                                                                               |  | 1                                  |  |                    |  |                                         |  |                            |  | 3                          |  |  |  |
| 22 DUP-02                                                                                                                                                                                                                         |  | 11/5/2024                                                                               |  | ---                                                                                                                                                                  |  | G                               |  | Water                                                       |  | 1                                                                                                                                               |  |                                    |  |                    |  |                                         |  |                            |  | 1                          |  |  |  |
| <b>Possible Hazard Identification</b>                                                                                                                                                                                             |  |                                                                                         |  |                                                                                                                                                                      |  |                                 |  |                                                             |  | <b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>                                                     |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |  |                                                                                         |  |                                                                                                                                                                      |  |                                 |  |                                                             |  | <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Deliverable Requested I, II, III, IV, Other (specify) <u>See ARF</u>                                                                                                                                                              |  |                                                                                         |  |                                                                                                                                                                      |  |                                 |  |                                                             |  | Special Instructions/QC Requirements                                                                                                            |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Empty Kit Relinquished by:                                                                                                                                                                                                        |  |                                                                                         |  | Date                                                                                                                                                                 |  |                                 |  | Time                                                        |  |                                                                                                                                                 |  | Method of Shipment:                |  |                    |  |                                         |  |                            |  |                            |  |  |  |
| Relinquished by: <u>Adam R. Glauert</u>                                                                                                                                                                                           |  |                                                                                         |  | Date/Time: <u>11/5/2024 1250</u>                                                                                                                                     |  |                                 |  | Company: <u>STN</u>                                         |  |                                                                                                                                                 |  | Received by: <u>Christina Wale</u> |  |                    |  | Date/Time: <u>11.5.24 1250</u>          |  |                            |  | Company: <u>Eurofins</u>   |  |  |  |
| Relinquished by: <u>Christina Wale</u>                                                                                                                                                                                            |  |                                                                                         |  | Date/Time: <u>11/5/24 1745</u>                                                                                                                                       |  |                                 |  | Company: <u>Eurofins</u>                                    |  |                                                                                                                                                 |  | Received by:                       |  |                    |  | Date/Time:                              |  |                            |  | Company:                   |  |  |  |
| Relinquished by:                                                                                                                                                                                                                  |  |                                                                                         |  | Date/Time:                                                                                                                                                           |  |                                 |  | Company:                                                    |  |                                                                                                                                                 |  | Received by:                       |  |                    |  | Date/Time:                              |  |                            |  | Company:                   |  |  |  |
| Custody Seals Intact:<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                      |  |                                                                                         |  | Custody Seal No                                                                                                                                                      |  |                                 |  | Cooler Temperature(s) °C and Other Remarks.                 |  |                                                                                                                                                 |  |                                    |  |                    |  |                                         |  |                            |  |                            |  |  |  |

## Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 885-14843-2

Login Number: 14843

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.  | N/A    |         |

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Albuquerque





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Steve Varsa  
Stantec Consulting Services, Inc.  
11311 Aurora Avenue  
Des Moines, Iowa 50322-7904

Generated 1/24/2025 1:13:01 PM

## JOB DESCRIPTION

KM - Blanco South

## JOB NUMBER

885-14843-3

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

See page two for job notes and contact information.

# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
1/24/2025 1:13:01 PM

Authorized for release by  
Catherine Upton, Project Manager  
[Catherine.upton@et.eurofinsus.com](mailto:Catherine.upton@et.eurofinsus.com)  
(505)345-3975

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Laboratory Job ID: 885-14843-3

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## Definitions/Glossary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-3

## Qualifiers

## HPLC/IC

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| ☼              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| CFU            | Colony Forming Unit                                                                                         |
| CNF            | Contains No Free Liquid                                                                                     |
| DER            | Duplicate Error Ratio (normalized absolute difference)                                                      |
| Dil Fac        | Dilution Factor                                                                                             |
| DL             | Detection Limit (DoD/DOE)                                                                                   |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC            | Decision Level Concentration (Radiochemistry)                                                               |
| EDL            | Estimated Detection Limit (Dioxin)                                                                          |
| LOD            | Limit of Detection (DoD/DOE)                                                                                |
| LOQ            | Limit of Quantitation (DoD/DOE)                                                                             |
| MCL            | EPA recommended "Maximum Contaminant Level"                                                                 |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| MPN            | Most Probable Number                                                                                        |
| MQL            | Method Quantitation Limit                                                                                   |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| NEG            | Negative / Absent                                                                                           |
| POS            | Positive / Present                                                                                          |
| PQL            | Practical Quantitation Limit                                                                                |
| PRES           | Presumptive                                                                                                 |
| QC             | Quality Control                                                                                             |
| RER            | Relative Error Ratio (Radiochemistry)                                                                       |
| RL             | Reporting Limit or Requested Limit (Radiochemistry)                                                         |
| RPD            | Relative Percent Difference, a measure of the relative difference between two points                        |
| TEF            | Toxicity Equivalent Factor (Dioxin)                                                                         |
| TEQ            | Toxicity Equivalent Quotient (Dioxin)                                                                       |
| TNTC           | Too Numerous To Count                                                                                       |

Case Narrative

Client: Stantec Consulting Services, Inc.  
Project: KM - Blanco South

Job ID: 885-14843-3

Job ID: 885-14843-3Eurofins Albuquerque

Job Narrative  
885-14843-3

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/6/2024 6:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-3

**Client Sample ID: MW-14**  
**Date Collected: 11/05/24 11:40**  
**Date Received: 11/06/24 06:45**

**Lab Sample ID: 885-14843-5**  
**Matrix: Water**

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|------------------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte                                        | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate                                        | 9500   |           | 500  | 100 | ug/L |   |          | 11/06/24 21:05 | 5       |
| Nitrite                                        | 160    | J         | 500  | 58  | ug/L |   |          | 11/06/24 21:05 | 5       |
| Nitrate Nitrite as N                           | 9700   |           | 1000 | 110 | ug/L |   |          | 11/06/24 21:05 | 5       |

QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-3

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-15493/4  
Matrix: Water  
Analysis Batch: 15493

Client Sample ID: Method Blank  
Prep Type: Total/NA

| Analyte              | MB Result | MB Qualifier | RL  | Unit    | D | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|-----|---------|---|----------|----------------|---------|
| Nitrate              | <20       |              | 100 | 20 ug/L |   |          | 11/06/24 16:05 | 1       |
| Nitrite              | <12       |              | 100 | 12 ug/L |   |          | 11/06/24 16:05 | 1       |
| Nitrate Nitrite as N | <22       |              | 200 | 22 ug/L |   |          | 11/06/24 16:05 | 1       |

Lab Sample ID: LCS 885-15493/5  
Matrix: Water  
Analysis Batch: 15493

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate | 2500        | 2470       |               | ug/L |   | 99   | 90 - 110    |
| Nitrite | 1000        | 931        |               | ug/L |   | 93   | 90 - 110    |

Lab Sample ID: MRL 885-15493/3  
Matrix: Water  
Analysis Batch: 15493

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Nitrate | 0.100       | 0.101      |               | mg/L |   | 101  | 50 - 150    |
| Nitrite | 0.100       | 0.102      |               | mg/L |   | 101  | 50 - 150    |

QC Association Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-3

HPLC/IC

Analysis Batch: 15493

| Lab Sample ID   | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-14843-5     | MW-14              | Total/NA  | Water  | 300.0  |            |
| MB 885-15493/4  | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 885-15493/5 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| MRL 885-15493/3 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |

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Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-3

Client Sample ID: MW-14  
Date Collected: 11/05/24 11:40  
Date Received: 11/06/24 06:45

Lab Sample ID: 885-14843-5  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15493        | RC      | EET ALB | 11/06/24 21:05       |

Laboratory References:  
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco South

Job ID: 885-14843-3

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|----------------------|
| New Mexico                                                                                                                                                                                            | State       | NM9425, NM0901        | 02-26-25             |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                      |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte              |
| 300.0                                                                                                                                                                                                 |             | Water                 | Nitrate              |
| 300.0                                                                                                                                                                                                 |             | Water                 | Nitrate Nitrite as N |
| 300.0                                                                                                                                                                                                 |             | Water                 | Nitrite              |
| Oregon                                                                                                                                                                                                | NELAP       | NM100001              | 02-25-25             |

## Eurofins Albuquerque

4901 Hawkins NE  
Albuquerque, NM 87109  
Phone (505) 345-3975

## Chain of Custody Record

eurofins | EI



885-14843 COC

|                                                                                                                                                                                                                                   |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------|----------------------------|--------------------------------|-----------------------------------------|---------------------------------------------|----------------------------|
| <b>Client Information</b>                                                                                                                                                                                                         |       | Sampler: <u>SRL, TSS</u>                                                     |             | Lab PM: <u>Upton, Catherine</u>                                                                                                                                     |                                                             | Carrier Tracking No(s)                |                            | COC No: <u>885-2284-389 1</u>  |                                         |                                             |                            |
| Client Contact: <u>Steve Varsa</u>                                                                                                                                                                                                |       | Phone: <u>913 980 0281</u>                                                   |             | E-Mail: <u>Catherine.upton@et.eurofinsus.com</u>                                                                                                                    |                                                             | State of Origin: <u>NM</u>            |                            | Page: <u>1 of 2</u>            |                                         |                                             |                            |
| Company: <u>Stantec Consulting Services, Inc</u>                                                                                                                                                                                  |       | PWSID:                                                                       |             | Analysis Requested                                                                                                                                                  |                                                             |                                       |                            |                                |                                         | Job #:                                      |                            |
| Address: <u>11311 Aurora Avenue</u>                                                                                                                                                                                               |       | Due Date Requested:                                                          |             | <div>Field Filtered Sample (Yes or No)</div> <div>Perform MS/MSD (Yes or No)</div> <div>8260B - (MOD) BTEX</div> <div>300_OF_26D_NO3 - Nitrate + Nitrite as N</div> |                                                             |                                       |                            |                                |                                         | Preservation Codes:<br>A - HCL<br>S - H2SO4 |                            |
| City: <u>Des Moines</u>                                                                                                                                                                                                           |       | TAT Requested (days): <u>STD</u>                                             |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         | Other: <u>Wet ICC</u>                       |                            |
| State Zip: <u>IA 50322-7904</u>                                                                                                                                                                                                   |       | Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         | Special Instructions/Note:                  |                            |
| Phone: <u>515-253-0830</u>                                                                                                                                                                                                        |       | PO #: <u>WD1142114</u>                                                       |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Email: <u>steve.varsa@stantec.com</u>                                                                                                                                                                                             |       | WO #:                                                                        |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Project Name: <u>KM - Blanco South</u>                                                                                                                                                                                            |       | Project #: <u>88502511</u>                                                   |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Site: <u>See ARF</u>                                                                                                                                                                                                              |       | SSOW#:                                                                       |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Sample Identification                                                                                                                                                                                                             |       | Sample Date                                                                  | Sample Time | Sample Type<br>(C=Comp, G=grab)                                                                                                                                     | Matrix<br>(W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No)     | Perform MS/MSD (Yes or No) | 8260B - (MOD) BTEX             | 300_OF_26D_NO3 - Nitrate + Nitrite as N | Total Number of containers                  | Special Instructions/Note: |
|                                                                                                                                                                                                                                   |       |                                                                              |             | Preservation Code:                                                                                                                                                  |                                                             |                                       |                            |                                |                                         |                                             |                            |
| 1                                                                                                                                                                                                                                 | TB-01 | 11/5/2024                                                                    | 0700        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 3                              |                                         | 3                                           | Tr p Blank                 |
| 2                                                                                                                                                                                                                                 | MW-8  | 11/5/2024                                                                    | 1102        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| 3                                                                                                                                                                                                                                 | MW-12 | 11/5/2024                                                                    | 0912        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 2                              | 1                                       | 3                                           |                            |
| 4                                                                                                                                                                                                                                 | MW-13 | 11/5/2024                                                                    | 0852        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 4                              | 6                                       | 7                                           | MSMSD                      |
| 5                                                                                                                                                                                                                                 | MW-14 | 11/5/2024                                                                    | 1140        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 2                              | 1                                       | 3                                           |                            |
| 6                                                                                                                                                                                                                                 | MW-15 | 11/5/2024                                                                    | 0838        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 2                              | 1                                       | 3                                           |                            |
| 7                                                                                                                                                                                                                                 | MW-28 | 11/5/2024                                                                    | 1004        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| 8                                                                                                                                                                                                                                 | MW-29 | 11/5/2024                                                                    | 0941        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| 9                                                                                                                                                                                                                                 | MW-30 | 11/5/2024                                                                    | 0948        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| 10                                                                                                                                                                                                                                | MW-71 | 11/5/2024                                                                    | 0815        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 2                              | 1                                       | 3                                           |                            |
| 11                                                                                                                                                                                                                                | MW-72 | 11/5/2024                                                                    | 1030        | G                                                                                                                                                                   | Water                                                       |                                       |                            | 1                              |                                         | 1                                           |                            |
| <b>Possible Hazard Identification</b>                                                                                                                                                                                             |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Deliverable Requested I, II, III, IV, Other (specify) <u>See ARF</u>                                                                                                                                                              |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>                                                                                                                                        |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months                                                                                   |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Special Instructions/QC Requirements                                                                                                                                                                                              |       |                                                                              |             |                                                                                                                                                                     |                                                             |                                       |                            |                                |                                         |                                             |                            |
| Empty Kit Relinquished by:                                                                                                                                                                                                        |       | Date                                                                         |             | Time                                                                                                                                                                |                                                             | Method of Shipment:                   |                            |                                |                                         |                                             |                            |
| Relinquished by: <u>Sean R. Clay</u>                                                                                                                                                                                              |       | Date/Time: <u>11/5/2024 1250</u>                                             |             | Company: <u>STW</u>                                                                                                                                                 |                                                             | Received by: <u>Christina Wheeler</u> |                            | Date/Time: <u>11/5/24 1250</u> |                                         | Company: <u>Eurofins</u>                    |                            |
| Relinquished by: <u>Christa Walt</u>                                                                                                                                                                                              |       | Date/Time: <u>11/5/24 1745</u>                                               |             | Company: <u>Eurofins</u>                                                                                                                                            |                                                             | Received by: <u>[Signature]</u>       |                            | Date/Time: <u>11/6/24 6:45</u> |                                         | Company: <u>Carrie</u>                      |                            |
| Relinquished by:                                                                                                                                                                                                                  |       | Date/Time:                                                                   |             | Company:                                                                                                                                                            |                                                             | Received by:                          |                            | Date/Time:                     |                                         | Company:                                    |                            |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                    |       | Custody Seal No                                                              |             | Cooler Temperature(s) °C and Other Remarks: <u>4.8-0.1=4.7~ major</u>                                                                                               |                                                             |                                       |                            |                                |                                         |                                             |                            |

Ver: 05/06/2024

## Eurofins Albuquerque

4901 Hawkins NE  
Albuquerque, NM 87109  
Phone (505) 345-3975

## Chain of Custody Record



Environment Testing

|                                                                                                                                                                                                                                   |        |                                                                                         |             |                                                                                                                                                                                                            |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------|--|----------------------------|--|-------|
| <b>Client Information</b>                                                                                                                                                                                                         |        | Sampler <u>SRLTJS</u>                                                                   |             | Lab PM<br>Upton, Catherine                                                                                                                                                                                 |                                                             | Carrier Tracking No(s)                                                                                                                          |  | COC No:<br>885-2284-389 1      |  |                            |  |       |
| Client Contact:<br>Steve Varsa                                                                                                                                                                                                    |        | Phone                                                                                   |             | E-Mail:<br>Catherine.upton@et.eurofinsus.com                                                                                                                                                               |                                                             | State of Origin<br><u>NM</u>                                                                                                                    |  | Page <u>2</u><br>Page 1 of 3   |  |                            |  |       |
| Company:<br>Stantec Consulting Services, Inc.                                                                                                                                                                                     |        | PWSID:                                                                                  |             | Analysis Requested                                                                                                                                                                                         |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
| Address<br>11311 Aurora Avenue                                                                                                                                                                                                    |        | Due Date Requested:                                                                     |             | <div>Field Filtered Sample (Yes or No)</div> <div>Perform: MS/MSD (Yes or No)</div> <div>8260B - (MOD) BTEX</div> <div>300_OF_28D_NO3 - Nitrate + Nitrite as N</div> <div>Total Number of containers</div> |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
| City:<br>Des Moines                                                                                                                                                                                                               |        | TAT Requested (days):<br><u>STD</u>                                                     |             |                                                                                                                                                                                                            |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
| State Zip<br>IA, 50322-7904                                                                                                                                                                                                       |        | Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |             |                                                                                                                                                                                                            |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
| Phone<br><u>515-253-0830</u>                                                                                                                                                                                                      |        | PO #:<br>WD1142114                                                                      |             |                                                                                                                                                                                                            |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
| Email<br>steve.varsa@stantec.com                                                                                                                                                                                                  |        | WVO #:                                                                                  |             |                                                                                                                                                                                                            |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
| Project Name<br>KM - Blanco South                                                                                                                                                                                                 |        | Project #:<br>88502511                                                                  |             | Preservation Codes:<br>A - HCL<br>S - H2SO4                                                                                                                                                                |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
| Site:<br><u>See ARF</u>                                                                                                                                                                                                           |        | SSOW#:                                                                                  |             |                                                                                                                                                                                                            |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
| Sample Identification                                                                                                                                                                                                             |        | Sample Date                                                                             | Sample Time | Sample Type<br>(C=comp, G=grab)                                                                                                                                                                            | Matrix<br>(W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) |                                                                                                                                                 |  |                                |  | Special Instructions/Note: |  |       |
|                                                                                                                                                                                                                                   |        |                                                                                         |             | Preservation Code:                                                                                                                                                                                         |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |
| 12                                                                                                                                                                                                                                | MW-73  | 11/5/2024                                                                               | 1000        | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| 13                                                                                                                                                                                                                                | MW-74  | 11/5/2024                                                                               | 1112        | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| 14                                                                                                                                                                                                                                | MW-75  | 11/5/2024                                                                               | 0935        | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| 15                                                                                                                                                                                                                                | MW-76  | 11/5/2024                                                                               | 1033        | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| 16                                                                                                                                                                                                                                | MW-77  | 11/5/2024                                                                               | 1043        | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| 17                                                                                                                                                                                                                                | MW-78  | 11/5/2024                                                                               | 1013        | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| 18                                                                                                                                                                                                                                | MW-79  | 11/5/2024                                                                               | 0923        | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  | MSMSD |
| 19                                                                                                                                                                                                                                | MW-80  | 11/5/2024                                                                               | 0928        | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| 20                                                                                                                                                                                                                                | MW-81  | 11/5/2024                                                                               | 1107        | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| 21                                                                                                                                                                                                                                | DUP-01 | 11/5/2024                                                                               | —           | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| 22                                                                                                                                                                                                                                | DUP-02 | 11/5/2024                                                                               | —           | G                                                                                                                                                                                                          | Water                                                       |                                                                                                                                                 |  |                                |  |                            |  |       |
| <b>Possible Hazard Identification</b>                                                                                                                                                                                             |        |                                                                                         |             |                                                                                                                                                                                                            |                                                             | <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>                                                      |  |                                |  |                            |  |       |
| <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |        |                                                                                         |             |                                                                                                                                                                                                            |                                                             | <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |  |                                |  |                            |  |       |
| Deliverable Requested I, II, III, IV, Other (specify) <u>See ARF</u>                                                                                                                                                              |        |                                                                                         |             |                                                                                                                                                                                                            |                                                             | Special Instructions/QC Requirements                                                                                                            |  |                                |  |                            |  |       |
| Empty Kit Relinquished by:                                                                                                                                                                                                        |        | Date                                                                                    |             | Time                                                                                                                                                                                                       |                                                             | Method of Shipment:                                                                                                                             |  |                                |  |                            |  |       |
| Relinquished by: <u>Adam R. Glauert</u>                                                                                                                                                                                           |        | Date/Time: <u>11/5/2024 1250</u>                                                        |             | Company: <u>STN</u>                                                                                                                                                                                        |                                                             | Received by: <u>Christina Wicks</u>                                                                                                             |  | Date/Time: <u>11.5.24 1250</u> |  | Company: <u>Eurofins</u>   |  |       |
| Relinquished by: <u>Christina Wicks</u>                                                                                                                                                                                           |        | Date/Time: <u>11/5/24 1745</u>                                                          |             | Company: <u>Eurofins</u>                                                                                                                                                                                   |                                                             | Received by:                                                                                                                                    |  | Date/Time:                     |  | Company:                   |  |       |
| Relinquished by:                                                                                                                                                                                                                  |        | Date/Time:                                                                              |             | Company:                                                                                                                                                                                                   |                                                             | Received by:                                                                                                                                    |  | Date/Time:                     |  | Company:                   |  |       |
| Custody Seals Intact:<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                      |        | Custody Seal No                                                                         |             | Cooler Temperature(s) °C and Other Remarks.                                                                                                                                                                |                                                             |                                                                                                                                                 |  |                                |  |                            |  |       |

Ver: 05/06/2024

## Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 885-14843-3

Login Number: 14843

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| The cooler or samples do not appear to have been compromised or tampered with.   | True   |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler Temperature is acceptable.                                                | True   |         |
| Cooler Temperature is recorded.                                                  | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and legible.                                            | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.                                           | True   |         |
| Containers are not broken or leaking.                                            | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.                                          | True   |         |
| Sample bottles are completely filled.                                            | True   |         |
| Sample Preservation Verified.                                                    | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.  | N/A    |         |

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins Albuquerque

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oed/contact-us>

State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 446222

CONDITIONS

|                                                                                               |                                                                          |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Operator:<br>El Paso Natural Gas Company, L.L.C<br>1001 Louisiana Street<br>Houston, TX 77002 | OGRID:<br>7046                                                           |
|                                                                                               | Action Number:<br>446222                                                 |
|                                                                                               | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By | Condition                                                                                                                                                                                                                                                 | Condition Date |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| amaxwell   | Report accepted for record.                                                                                                                                                                                                                               | 9/9/2025       |
| amaxwell   | OCD records indicate that an approved Stage 1 plan is not on file. Pursuant to 19.15.30 NMAC. El Paso Natural Gas Company, L.L.C must submit a Stage 1 Abatement plan no later than October 31, 2025, that meets all the requirements of 19.15.30.13 NMAC | 9/9/2025       |
| amaxwell   | Alternatively, if a Stage 1/Stage 2 Abatement Report has been previously approved by OCD, provide a copy of Stage 1/ Stage 2 Abatement Report by October 8, 2025, so OCD can update the Online records.                                                   | 9/9/2025       |