

2023 ANNUAL GROUNDWATER REPORT

Gallegos Canyon Unit #142E
Incident Number: nAUTOAB000219
Meter Code: 03906
T29N, R12W Sec 25, Unit G

SITE DETAILS

Site Location: Latitude: 36.699300 N, Longitude: -108.046700 W
Land Type: Private/Fee
Operator: Simcoe LLC

SITE BACKGROUND

Environmental remediation activities at the Gallegos Canyon Unit #142 (Site) are being managed pursuant to the procedures set forth in the document entitled, "Remediation Plan for Groundwater Encountered During Pit Closure Activities" (Remediation Plan, El Paso Natural Gas Company / El Paso Field Services Company, 1995). This Remediation Plan was conditionally approved by the New Mexico Oil Conservation Division (NMOCD) in correspondence dated November 30, 1995; and the NMOCD approval conditions were adopted into El Paso CGP Company, LLC's (EPCGP's) program methods. Currently, the Site is operated by Simcoe LLC (Simcoe), and is active. According to NMOCD records, Simcoe assumed operation of the Site from BP America Production Company (BP), on February 28, 2020.

The Site is located on private land (T29N, R12W, Sec25, Unit G). An initial site assessment related to the former El Paso pit was completed in April 1994, and an excavation to approximately 9 feet below ground surface (bgs) was completed in April 1994, removing approximately 20 cubic yards (cy) of soil at the location of the pit. In October 1998 another excavation was completed, removing 882 cy of soil. Various site investigations have occurred since 1997. Temporary piezometers PZ-1 through PZ-6 were installed and removed in 1997. Monitoring wells were installed in 1997 (MW-1), 2001 (MW-2), and 2014 (MW-3 and MW-5 through MW-8). Monitoring well MW-4 was advanced as a soil boring but was not installed. A detailed Site history is presented in Appendix A.

The location of the Site is presented on Figure 1. A Site Plan map depicting the locations of monitoring wells, piezometers, soil borings, and current and historical site features is provided as Figure 2.

According to an April 5, 2018, C-141 form submitted by BP, a release was discovered from a discharge pit located in the vicinity of MW-2 in January 1996. On June 2, 2009, light nonaqueous-phase liquid (LNAPL) was discovered in monitoring well MW-2. LNAPL was subsequently discovered in monitoring wells MW-3, MW-8, and TW-1. In early 2019 EPCGP prepared a site conceptual model (SCM) providing a summary of the assessment and remedial activities completed by EPCGP for their release and known information regarding the BP releases at the site. Based on the available information, no further action by EPCGP was recommended, and the SCM and no further action request was submitted to the NMOCD on February 11, 2019. To date, no response from the NMOCD has been received regarding this request. In the interim, groundwater sampling continues to be conducted on a semi-annual basis.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the 1995 remediation plan Stantec provided access notifications via email to NMOCD on May 12, 2023, and November 2, 2023. Copies of the access notifications are provided as Appendix B. On May 21 and November 13, 2023, water levels were gauged at MW-1, MW-2,

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MW-3, MW-5, MW-6, MW-7, and MW-8. No LNAPL was detected in site monitoring wells during water level gauging in 2023.

Groundwater samples were collected from each well using HydraSleeve™ (HydraSleeve) no-purge groundwater sampling devices. The HydraSleeves were set during the previous sampling event using a suspension tether and stainless-steel weights. The HydraSleeves were positioned to collect a sample from the screened interval by setting the bottom of the sleeve approximately 0.5 foot above the bottom of the screened interval.

The groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins Environment Testing Southeast, LLC, in Pensacola, Florida where they were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) using United States Environmental Protection Agency (EPA) Method 8260. One trip blank and one blind field duplicate were also collected during each sampling event.

The unused sample water was placed in a waste container and transported to Envirotech, Inc. (Envirotech), located in Bloomfield, NM for disposal. Waste disposal documentation is included as Appendix C.

SUMMARY TABLES

Historic analytical and water level data are summarized in Table 1 and Table 2, respectively.

SITE MAPS

Groundwater analytical maps (Figures 3 and 5) and groundwater elevation contour maps (Figures 4 and 6) summarize results of the 2023 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix D.

GROUNDWATER RESULTS

- The groundwater elevations indicate the flow direction at the Site was generally to the east-southeast during 2023 (see Figures 4 and 6).
- The concentration of benzene detected in at least one groundwater sample collected from MW-1, MW-2, and MW-8 in 2023 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for benzene in groundwater. Monitoring wells MW-1, MW-2, and MW-8 are located hydraulically downgradient from the BP release, and wells MW-2 and MW-8 are upgradient from the original EPCGP pit being addressed under this incident number. Detections of benzene in remaining groundwater samples collected from Site monitoring wells in 2023 were below the NMWQCC standard or were not detected.
- Concentrations of toluene were either below the NMWQCC standard (750 µg/L) or were not detected in the site monitoring wells sampled in 2023.

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- Concentrations of ethylbenzene were either below the NMWQCC standard (750 µg/L) or were not detected in the site monitoring wells sampled in 2023.
- The concentration of total xylenes detected in the groundwater samples collected from MW-2 in 2023 exceeded the NMWQCC standard (620 µg/L) in May and November 2023. Detections of total xylenes in remaining ground water samples collected from Site monitoring wells in 2023 were below the NMWQCC standard or were not detected.
- A field duplicate was collected from monitoring wells MW-8 during the May 2023 sampling event, and from MW-1 during the November 2023 sampling events. Significant discrepancies were not noted between either set of primary and duplicate samples.
- Detectable concentrations of BTEX constituents were not reported in the trip blanks collected and analyzed as part of the 2023 groundwater monitoring events.

SITE CLOSURE REQUEST

EPCGP respectfully requests a response from the NMOCD to the February 2019 SCM and No Further Action request. Data presented in that document and subsequent water quality data presented in this report indicate the remaining dissolved hydrocarbon impacts at the site are related to releases by BP. EPCGP summarized the rationale for the NFA request with the NMOCD during a conference call held on March 7, 2024.

TABLES

TABLE 1 – GROUNDWATER ANALYTICAL RESULTS

TABLE 2 – GROUNDWATER ELEVATION RESULTS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Gallegos Canyon Unit #142E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	03/10/97	4010	7960	213	2050
MW-1	08/06/97	1040	1310	49.4	647
MW-1	11/05/97	543	719	33.9	342
MW-1	02/13/98	343	354	27.6	394
MW-1	05/06/98	429	216	13.6	176
MW-1	05/04/99	143	20.4	7.78	63.3
MW-1	05/25/00	230	4.4	6	450
MW-1	06/01/01	130	0.5	3.5	6.1
MW-1	05/14/02	34	4.9	1	3.3
MW-1	03/07/03	270	36.8	8.3	21.1
MW-1	09/17/03	150	77	1.9	12.8
MW-1	03/22/04	1.4	<0.14	<0.029	<0.082
MW-1	03/17/05	169	1.3	2.7	6.6
MW-1	06/23/05	810	1.9	0.62	8.1
MW-1	09/26/05	232	14.9	4	15.1
MW-1	12/14/05	354	10.6	5.9	25.6
MW-1	01/09/06	NS	NS	NS	NS
MW-1	01/18/06	NS	NS	NS	NS
MW-1	03/28/06	362	0.37J	15	15.7
MW-1	06/14/06	210	6.5	2.3	6.1
MW-1	06/28/07	109	12.6	1.1	5.5
MW-1	06/23/08	2320	305	140	934
MW-1	06/02/09	35.3	<1	0.75J	1.4J
MW-1	12/30/09	597	10.7J	26.5	159
MW-1	01/25/10	NS	NS	NS	NS
MW-1	05/25/10	NS	NS	NS	NS
MW-1	09/24/10	NS	NS	NS	NS
MW-1	11/09/10	8610	2770	348	2810
MW-1	02/01/11	NS	NS	NS	NS
MW-1	05/03/11	NS	NS	NS	NS
MW-1	09/27/11	NS	NS	NS	NS
MW-1	11/16/11	229	36.2	5.3	39.3
MW-1	02/16/12	NS	NS	NS	NS
MW-1	05/07/12	NS	NS	NS	NS
MW-1	06/07/13	810	<0.30	<0.20	4.3J
MW-1	09/11/13	25	<0.30	<0.20	0.39J
MW-1	12/13/13	330	<0.90	6.9	20
MW-1	04/03/14	560	<3.8	<2.0	<6.5
MW-1	10/25/14	57	<0.70	1.9	3J
MW-1	05/30/15	270	<5.0	1.6	32
MW-1	11/18/15	990	1.6	26	250

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	04/18/16	22	<5.0	<1.0	<5.0
MW-1	10/14/16	520	<10	<2.0	<10
MW-1	06/11/17	190	<10	<2.0	<10
MW-1	11/13/17	45	<1.0	<1.0	<10
MW-1	05/17/18	8.6	<1.0	<1.0	<10
DUP-01(MW-1)*	05/17/18	8.4	<1.0	<1.0	<10
MW-1	10/28/18	1.5	<1.0	<1.0	<10
MW-1	05/22/19	85	<1.0	1	<10
MW-1	11/11/19	<1.0	<1.0	<1.0	<10
DUP-01(MW-1)*	11/11/19	<1.0	<1.0	<1.0	<10
MW-1	05/15/20	14	<1.0	<1.0	<10
MW-1	11/11/20	<1.0	<1.0	<1.0	<10
MW-1	05/21/21	54	<1.0	<1.0	<10
MW-1	11/12/21	2.5	<1.0	<1.0	<10
MW-1	05/19/22	11	<1.0	<1.0	<10
MW-1	11/02/22	4.0	<1.0	<1.0	<10
MW-1	05/21/23	<1.0	<1.0	<1.0	<10
MW-1	11/13/23	20	<1.0	<1.0	<10
DUP-01(MW-1)*	11/13/23	17	<1.0	<1.0	<10
MW-2	12/13/01	22000	25000	500	4300
MW-2	05/14/02	NS	NS	NS	NS
MW-2	09/17/03	6890	4760	219	1770
MW-2	03/22/04	13000	8880	321	2850
MW-2	03/17/05	2800	1640	125	978
MW-2	09/14/05	1980	915	63.8	391
MW-2	01/09/06	NS	NS	NS	NS
MW-2	01/18/06	NS	NS	NS	NS
MW-2	06/14/06	2140	811	83.5	610
MW-2	06/28/07	2100	492	140	1050
MW-2	06/23/08	221	1.5J	3.9	5.8
MW-2	06/02/09	NS	NS	NS	NS
MW-2	12/30/09	6660	6750	764	6210
MW-2	01/25/10	NS	NS	NS	NS
MW-2	05/25/10	NS	NS	NS	NS
MW-2	09/24/10	NS	NS	NS	NS
MW-2	11/09/10	3900	2450	342	2660
MW-2	02/01/11	NS	NS	NS	NS
MW-2	05/03/11	NS	NS	NS	NS
MW-2	09/27/11	NS	NS	NS	NS
MW-2	11/16/11	2040	1020	231	1520
MW-2	02/16/12	NS	NS	NS	NS

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Gallegos Canyon Unit #142E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-2	05/07/12	NS	NS	NS	NS
MW-2	06/07/13	6000	1100	500	3800
MW-2	09/11/13	2200	470	240	1900
MW-2	12/13/13	5500	830	510	3700
MW-2	04/03/14	NS	NS	NS	NS
MW-2	10/25/14	NS	NS	NS	NS
MW-2	05/30/15	3300	140	570	3400
MW-2	11/18/15	4000	120	520	1500
MW-2	04/18/16	NS	NS	NS	NS
MW-2	10/14/16	NS	NS	NS	NS
MW-2	06/11/17	NS	NS	NS	NS
MW-2	11/13/17	2100	77	220	1800
MW-2	05/17/18	NS	NS	NS	NS
MW-2	10/28/18	NS	NS	NS	NS
MW-2	05/22/19	1500	<25	840	6200
MW-2	11/11/19	1000	<10	390	2800
MW-2	05/15/20	1100	<25	450	3000
MW-2	11/11/20	1100	<10	550	3800
MW-2	05/21/21	960	<10	600	6100
MW-2	11/12/21	660	<20	520	3200
MW-2	05/19/22	1200	<50	800	5700
MW-2	11/02/22	470	<5.0	350	1300
MW-2	05/21/23	570	<10	740	4600
MW-2	11/13/23	220	<5.0	180	1200
MW-3	10/25/14	<0.38	<0.70	<0.50	<1.6
MW-3	05/30/15	<1.0	<5.0	<1.0	<5.0
MW-3	11/18/15	<1.0	<1.0	<1.0	<3.0
MW-3	04/18/16	NS	NS	NS	NS
MW-3	10/14/16	NS	NS	NS	NS
MW-3	06/11/17	NS	NS	NS	NS
MW-3	11/13/17	69	7.8	6.8	160
MW-3	05/17/18	11	6.4	18	200
MW-3	10/28/18	<1.0	<1.0	<1.0	<10
MW-3	05/22/19	2.3	<1.0	1.3	18
MW-3	11/11/19	<1.0	<1.0	<1.0	<10
MW-3	05/15/20	5.0	<1.0	<1.0	<10
DUP-01(MW-3)*	05/15/20	5.2	<1.0	<1.0	<10
MW-3	11/11/20	<1.0	<1.0	<1.0	<10
MW-3	05/21/21	2.1	<1.0	<1.0	<10
MW-3	11/12/21	<1.0	<1.0	<1.0	<10
MW-3	05/19/22	<1.0	<1.0	<1.0	<10

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-3	11/02/22	<1.0	<1.0	<1.0	<10
MW-3	05/21/23	<1.0	<1.0	2.6	11
MW-3	11/13/23	<1.0	<1.0	4.2	<10
MW-5	10/25/14	1.8	<0.70	0.89J	11
MW-5	05/30/15	<1.0	<5.0	<1.0	<5.0
MW-5	11/18/15	<1.0	<1.0	<1.0	<3.0
MW-5	04/18/16	22	<5.0	<1.0	5.9
MW-5	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-5	06/11/17	13	<5.0	1.9	15
MW-5	11/13/17	<1.0	<1.0	<1.0	<10
MW-5	05/17/18	<1.0	<1.0	<1.0	<10
MW-5	10/28/18	<1.0	<1.0	<1.0	<10
DUP-01(MW-5)*	10/28/18	<1.0	<1.0	<1.0	<10
MW-5	05/22/19	<1.0	<1.0	<1.0	<10
MW-5	11/11/19	<1.0	<1.0	<1.0	<10
MW-5	05/15/20	<1.0	<1.0	<1.0	<10
MW-5	11/11/20	<1.0	<1.0	<1.0	<10
MW-5	05/21/21	<1.0	<1.0	<1.0	<10
MW-5	11/12/21	<1.0	<1.0	<1.0	<10
MW-5	05/19/22	<1.0	<1.0	<1.0	<10
MW-5	11/02/22	<1.0	<1.0	<1.0	<10
MW-5	05/21/23	<1.0	<1.0	<1.0	<10
MW-5	11/13/23	<1.0	<1.0	<1.0	<10
MW-6	10/25/14	1.1	<0.70	<0.50	<1.6
MW-6	05/30/15	190	<25	<5.0	110
MW-6	11/18/15	<1.0	<1.0	<1.0	<3.0
MW-6	04/18/16	47	<5.0	20	6.4
MW-6	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-6	06/11/17	2.2	<5.0	<1.0	<5.0
MW-6	11/13/17	<1.0	<1.0	<1.0	<10
MW-6	05/17/18	<1.0	<1.0	<1.0	<10
MW-6	10/28/18	<1.0	<1.0	<1.0	<10
MW-6	05/22/19	<1.0	<1.0	<1.0	<10
DUP-01(MW-6)*	05/22/19	<1.0	<1.0	<1.0	<10
MW-6	11/11/19	<1.0	<1.0	<1.0	<10
MW-6	05/15/20	<1.0	<1.0	<1.0	<10
MW-6	11/11/20	<1.0	<1.0	<1.0	<10
MW-6	05/21/21	<1.0	<1.0	<1.0	<10
MW-6	11/12/21	<1.0	<1.0	<1.0	<10
MW-6	05/19/22	<1.0	<1.0	<1.0	<10

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Gallegos Canyon Unit #142E					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-6	11/02/22	<1.0	<1.0	<1.0	<10
MW-6	05/21/23	<1.0	<1.0	<1.0	<10
MW-6	11/13/23	<1.0	<1.0	<1.0	<10
MW-7	10/25/14	4.7	0.7J	1.7	5.7J
MW-7	05/30/15	6.5	<5.0	<1.0	1.8J
MW-7	11/18/15	4.3	<1.0	<1.0	<3.0
MW-7	04/18/16	480	350	31	200
MW-7	10/14/16	<1.0	<5.0	<1.0	<5.0
MW-7	06/11/17	120	11	1.9	18
MW-7	11/13/17	7.4	<1.0	<1.0	<10
MW-7	05/17/18	15	<1.0	<1.0	<10
MW-7	10/28/18	<1.0	<1.0	<1.0	<10
MW-7	05/22/19	<1.0	<1.0	<1.0	<10
MW-7	11/11/19	<1.0	<1.0	<1.0	<10
MW-7	05/15/20	38	<1.0	1.9	<10
MW-7	11/11/20	<1.0	<1.0	<1.0	<10
MW-7	05/21/21	<1.0	<1.0	<1.0	<10
MW-7	11/12/21	<1.0	<1.0	<1.0	<10
MW-7	05/19/22	<1.0	<1.0	<1.0	<10
MW-7	11/02/22	<1.0	<1.0	<1.0	<10
MW-7	05/21/23	3.3	<1.0	<1.0	<10
MW-7	11/13/23	<1.0	<1.0	<1.0	<10
TMW-1	01/06/06	NS	NS	NS	NS
TMW-1	01/09/06	NS	NS	NS	NS
TMW-1	01/18/06	NS	NS	NS	NS
TMW-1	06/23/08	NS	NS	NS	NS
TMW-1	12/30/09	3660	1550	520	4110
TMW-1	01/25/10	NS	NS	NS	NS
TMW-1	05/25/10	NS	NS	NS	NS
TMW-1	09/24/10	NS	NS	NS	NS
TMW-1	11/09/10	8880	14400	956	9040
TMW-1	02/01/11	NS	NS	NS	NS
TMW-1	05/03/11	NS	NS	NS	NS
TMW-1	09/27/11	NS	NS	NS	NS
TMW-1	11/16/11	3890	6250	420	3610
TMW-1	02/16/12	NS	NS	NS	NS
TMW-1	05/07/12	NS	NS	NS	NS
TMW-1	06/07/13	5100	1100	190	2600
TMW-1	09/11/13	6600	960	190	2600
TMW-1	12/13/13	6500	2200	410	4000

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Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
TMW-1	04/03/14	NS	NS	NS	NS
TMW-1 abandoned on September 8, 2014, and replaced with MW-8					
MW-8	10/25/14	0.77J	<0.70	<0.50	<1.6
MW-8	05/30/15	36	<5.0	3.1	19
MW-8	11/18/15	6.6	<1.0	<1.0	<3.0
MW-8	04/18/16	3	<5.0	<1.0	<5.0
MW-8	10/14/16	4.8	<5.0	<1.0	<5.0
MW-8	06/11/17	NS	NS	NS	NS
MW-8	11/13/17	1900	65	190	1600
MW-8	05/17/18	96	3.4	5.2	74
MW-8	10/28/18	<1.0	<1.0	<1.0	<10
MW-8	05/22/19	1200	<10	120	700
MW-8	11/11/19	1.6	<1.0	<1.0	<10
MW-8	05/15/20	660	<5.0	31	<50
MW-8	11/11/20	<1.0	<1.0	<1.0	<10
DUP-01(MW-8)*	11/11/20	2.4	<1.0	<1.0	<10
MW-8	05/21/21	790	<5.0	6.3	<50
DUP-01(MW-8)*	05/21/21	590	<5.0	<5.0	<50
MW-8	11/12/21	150	<1.0	7.2	24
DUP-01(MW-8)*	11/12/21	130	<1.0	5.5	18
MW-8	05/19/22	1.2	<1.0	<1.0	<10
DUP-01(MW-8)*	05/19/22	1.5	<1.0	<1.0	<10
MW-8	11/02/22	49	<1.0	1.7	<10
DUP-01(MW-8)*	11/02/22	51	<1.0	1.9	<10
MW-8	05/21/23	<1.0	<1.0	<1.0	<10
DUP-01(MW-8)*	05/21/23	<1.0	<1.0	<1.0	<10
MW-8	11/13/23	450	<2.0	<2.0	<20

Notes:

"NS" = Not sampled

µg/L = micrograms per liter

Results highlighted yellow exceed their respective New Mexico Water Quality Control Commission (NMWQCC) standards.

"J" = Result is less than the reporting limit but greater than or equal to the method detection limit and the result is an approximate value.

"<" = analyte was not detected at the indicated reporting limit (some historic data were reported at the detection limit).

*Field Duplicate results presented immediately below primary sample result

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #142E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	03/10/97	5481.83	NR	16.78		5465.05
MW-1	08/06/97	5481.83	NR	14.46		5467.37
MW-1	11/05/97	5481.83	NR	15.02		5466.81
MW-1	02/13/98	5481.83	NR	18.18		5463.65
MW-1	05/06/98	5481.83	NR	18.69		5463.14
MW-1	05/04/99	5481.83	NR	17.61		5464.22
MW-1	05/25/00	5481.83	NR	16.44		5465.39
MW-1	06/01/01	5481.83	NR	17.08		5464.75
MW-1	05/14/02	5481.83	NR	14.70		5467.13
MW-1	03/07/03	5481.83	ND	15.32		5466.52
MW-1	09/17/03	5481.83	ND	DRY		5460.12
MW-1	03/22/04	5481.83	ND	17.38		5464.45
MW-1	03/17/05	5481.83	ND	18.15		5463.69
MW-1	06/23/05	5481.83	ND	14.72		5467.11
MW-1	09/26/05	5481.83	ND	11.95		5469.88
MW-1	12/14/05	5481.83	ND	14.67		5467.16
MW-1	01/09/06	5481.83	ND	15.67		5466.16
MW-1	01/18/06	5481.83	ND	15.97		5465.86
MW-1	03/28/06	5481.83	ND	18.16		5463.67
MW-1	06/14/06	5481.83	ND	13.08		5468.75
MW-1	06/28/07	5481.83	ND	16.18		5465.65
MW-1	06/23/08	5481.83	ND	15.45		5466.38
MW-1	06/02/09	5481.83	ND	17.80		5464.03
MW-1	12/30/09	5481.83	ND	16.82		5465.01
MW-1	01/25/10	5481.83	ND	17.61		5464.22
MW-1	05/25/10	5481.83	ND	18.45		5463.38
MW-1	09/24/10	5481.83	ND	14.59		5467.24
MW-1	11/09/10	5481.83	ND	14.86		5466.97
MW-1	02/01/11	5481.83	ND	17.46		5464.37
MW-1	05/03/11	5481.83	ND	19.22		5462.61
MW-1	09/27/11	5481.83	ND	11.12		5470.71
MW-1	11/16/11	5481.83	ND	12.75		5469.08
MW-1	02/16/12	5481.83	ND	15.47		5466.36
MW-1	05/07/12	5481.83	ND	16.21		5465.62
MW-1	06/07/13	5481.83	ND	14.06		5467.77
MW-1	09/11/13	5481.83	ND	12.61		5469.22
MW-1	12/13/13	5481.83	ND	14.22		5467.61
MW-1	04/03/14	5481.83	ND	17.66		5464.17
MW-1	10/25/14	5481.83	ND	12.69		5469.14
MW-1	05/30/15	5481.83	ND	16.29		5465.54
MW-1	11/18/15	5481.83	ND	14.52		5467.31
MW-1	04/18/16	5481.83	ND	19.06		5462.77
MW-1	10/14/16	5481.83	ND	15.54		5466.29
MW-1	06/11/17	5481.83	ND	17.44		5464.39

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #142E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/13/17	5481.83	ND	14.65		5467.18
MW-1	05/17/18	5481.83	ND	16.74		5465.09
MW-1	10/28/18	5481.83	ND	12.31		5469.52
MW-1	05/22/19	5481.83	ND	15.85		5465.98
MW-1	11/11/19	5481.83	ND	11.51		5470.32
MW-1	05/15/20	5481.83	ND	15.37		5466.46
MW-1	11/11/20	5481.83	ND	11.91		5469.92
MW-1	05/21/21	5481.83	ND	15.78		5466.05
MW-1	11/12/21	5481.83	ND	12.70		5469.13
MW-1	05/19/22	5481.83	ND	16.26		5465.57
MW-1	11/02/22	5481.83	ND	13.10		5468.73
MW-1	05/21/23	5481.83	ND	16.38		5465.45
MW-1	11/13/23	5481.83	ND	14.41		5467.42
MW-2	12/13/01	5481.56	NR	14.52		5467.04
MW-2	05/14/02	5481.56	NR	14.37		5467.19
MW-2	09/17/03	5481.56	ND	DRY		5463.56
MW-2	03/22/04	5481.56	ND	17.06		5464.50
MW-2	03/17/05	5481.56	ND	17.83		5463.73
MW-2	09/14/05	5481.56	ND	11.45		5470.11
MW-2	01/09/06	5481.56	ND	15.35		5466.21
MW-2	01/18/06	5481.56	ND	15.65		5465.91
MW-2	06/14/06	5481.56	ND	12.64		5468.92
MW-2	06/28/07	5481.56	ND	16.86		5464.70
MW-2	06/23/08	5481.56	ND	15.15		5466.41
MW-2	06/02/09	5481.56	17.42	17.84	0.42	5464.04
MW-2	12/30/09	5481.56	16.45	16.48	0.03	5465.10
MW-2	01/25/10	5481.56	17.27	17.45	0.18	5464.25
MW-2	05/25/10	5481.56	18.05	18.55	0.50	5463.39
MW-2	09/24/10	5481.56	ND	14.25		5467.31
MW-2	11/09/10	5481.56	14.49	14.50	0.01	5467.07
MW-2	02/01/11	5481.56	ND	17.15		5464.41
MW-2	05/03/11	5481.56	ND	18.91		5462.65
MW-2	09/27/11	5481.56	ND	12.65		5468.91
MW-2	11/16/11	5481.56	ND	12.37		5469.19
MW-2	02/16/12	5481.56	ND	15.13		5466.43
MW-2	05/07/12	5481.56	ND	16.91		5464.65
MW-2	06/07/13	5481.56	ND	13.63		5467.93
MW-2	09/11/13	5481.56	ND	12.18		5469.38
MW-2	12/13/13	5481.56	ND	13.92		5467.64
MW-2	04/03/14	5481.56	17.31	17.42	0.11	5464.22
MW-2	10/25/14	5481.56	ND	12.14		5469.42
MW-2	05/30/15	5481.56	ND	15.92		5465.64
MW-2	11/18/15	5481.56	ND	14.26		5467.30

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #142E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	04/18/16	5481.56	18.69	18.99	0.30	5462.80
MW-2	10/14/16	5481.56	ND	15.26		5466.30
MW-2	06/11/17	5481.56	17.09	17.23	0.14	5464.44
MW-2	11/13/17	5481.56	ND	14.28		5467.28
MW-2	05/17/18	5481.56	16.39	16.43	0.04	5465.16
MW-2	10/28/18	5481.56	ND	11.67		5469.89
MW-2	05/22/19	5481.56	ND	15.56		5466.00
MW-2	11/11/19	5481.56	ND	10.92		5470.64
MW-2	05/15/20	5481.56	ND	15.05		5466.51
MW-2	11/11/20	5481.56	ND	11.35		5470.21
MW-2	05/21/21	5481.56	ND	15.43		5466.13
MW-2	11/12/21	5481.56	ND	12.19		5469.37
MW-2	05/19/22	5481.56	ND	15.93		5465.63
MW-2	11/02/22	5481.56	ND	12.69		5468.87
MW-2	05/21/23	5481.56	ND	16.08		5465.48
MW-2	11/13/23	5481.56	ND	14.04		5467.52
MW-3	10/25/14	5481.87	ND	12.53		5469.34
MW-3	05/30/15	5481.87	ND	16.32		5465.55
MW-3	11/18/15	5481.87	ND	14.65		5467.22
MW-3	04/18/16	5481.87	ND	19.18		5462.69
MW-3	10/14/16	5481.87	ND	15.64		5466.23
MW-3	06/11/17	5481.87	17.40	17.57	0.17	5464.43
MW-3	11/13/17	5481.87	ND	14.64		5467.23
MW-3	05/17/18	5481.87	ND	16.60		5465.27
MW-3	10/28/18	5481.87	ND	11.93		5469.94
MW-3	05/22/19	5481.87	ND	15.85		5466.02
MW-3	11/11/19	5481.87	ND	11.25		5470.62
MW-3	05/15/20	5481.87	ND	15.31		5466.56
MW-3	11/11/20	5481.87	ND	11.69		5470.18
MW-3	05/21/21	5481.87	ND	15.75		5466.12
MW-3	11/12/21	5481.87	ND	12.52		5469.35
MW-3	05/19/22	5481.87	ND	16.21		5465.66
MW-3	11/02/22	5481.87	ND	13.03		5468.84
MW-3	05/21/23	5481.87	ND	16.30		5465.57
MW-3	11/13/23	5481.87	ND	14.38		5467.49
MW-5	10/25/14	5482.04	ND	12.73		5469.31
MW-5	05/30/15	5482.04	ND	16.50		5465.54
MW-5	11/18/15	5482.04	ND	14.80		5467.24
MW-5	04/18/16	5482.04	ND	19.20		5462.84
MW-5	10/14/16	5482.04	ND	15.78		5466.26
MW-5	06/11/17	5482.04	ND	17.65		5464.39
MW-5	11/13/17	5482.04	ND	14.81		5467.23
MW-5	05/17/18	5482.04	ND	16.95		5465.09

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #142E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-5	10/28/18	5482.04	ND	12.31		5469.73
MW-5	05/22/19	5482.04	ND	16.10		5465.94
MW-5	11/11/19	5482.04	ND	11.58		5470.46
MW-5	05/15/20	5482.04	ND	15.62		5466.42
MW-5	11/11/20	5482.04	ND	11.97		5470.07
MW-5	05/21/21	5482.04	ND	16.01		5466.03
MW-5	11/12/21	5482.04	ND	12.81		5469.23
MW-5	05/19/22	5482.04	ND	16.46		5465.58
MW-5	11/02/22	5482.04	ND	13.28		5468.76
MW-5	05/21/23	5482.04	ND	16.64		5465.40
MW-5	11/13/23	5482.04	ND	14.64		5467.40
MW-6	10/25/14	5481.45	ND	12.31		5469.14
MW-6	05/30/15	5481.45	ND	16.01		5465.44
MW-6	11/18/15	5481.45	ND	14.36		5467.09
MW-6	04/18/16	5481.45	ND	18.73		5462.72
MW-6	10/14/16	5481.45	ND	15.35		5466.10
MW-6	06/11/17	5481.45	ND	17.14		5464.31
MW-6	11/13/17	5481.45	ND	14.39		5467.06
MW-6	05/17/18	5481.45	ND	16.37		5465.08
MW-6	10/28/18	5481.45	ND	11.85		5469.60
MW-6	05/22/19	5481.45	ND	15.60		5465.85
MW-6	11/11/19	5481.45	ND	11.21		5470.24
MW-6	05/15/20	5481.45	ND	15.10		5466.35
MW-6	11/11/20	5481.45	ND	11.59		5469.86
MW-6	05/21/21	5481.45	ND	15.55		5465.90
MW-6	11/12/21	5481.45	ND	12.39		5469.06
MW-6	05/19/22	5481.45	ND	15.92		5465.53
MW-6	11/02/22	5481.45	ND	12.56		5468.89
MW-6	05/21/23	5481.45	ND	16.08		5465.37
MW-6	11/13/23	5481.45	ND	14.15		5467.30
MW-7	10/25/14	5481.80	ND	12.59		5469.21
MW-7	05/30/15	5481.80	ND	16.32		5465.48
MW-7	11/18/15	5481.80	ND	14.67		5467.13
MW-7	04/18/16	5481.80	ND	19.09		5462.71
MW-7	10/14/16	5481.80	ND	15.66		5466.14
MW-7	06/11/17	5481.80	ND	17.44		5464.36
MW-7	11/13/17	5481.80	ND	14.67		5467.13
MW-7	05/17/18	5481.80	ND	16.62		5465.18
MW-7	10/28/18	5481.80	ND	12.01		5469.79
MW-7	05/22/19	5481.80	ND	15.86		5465.94
MW-7	11/11/19	5481.80	ND	11.37		5470.43
MW-7	05/15/20	5481.80	ND	15.35		5466.45
MW-7	11/11/20	5481.80	ND	11.78		5470.02

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #142E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-7	05/21/21	5481.80	ND	15.79		5466.01
MW-7	11/12/21	5481.80	ND	12.63		5469.17
MW-7	05/19/22	5481.80	ND	16.23		5465.57
MW-7	11/02/22	5481.80	ND	13.11		5468.69
MW-7	05/21/23	5481.80	ND	16.32		5465.48
MW-7	11/13/23	5481.80	ND	14.45		5467.35
TMW-1	01/06/06	5481.43	ND	15.29		5466.14
TMW-1	01/09/06	5481.43	ND	15.27		5466.16
TMW-1	01/18/06	5481.43	ND	15.57		5465.87
TMW-1	06/23/08	5481.43	ND	15.04		5466.39
TMW-1	12/30/09	5481.43	ND	NA		NA
TMW-1	01/25/10	5481.43	ND	17.23		5464.20
TMW-1	05/25/10	5481.43	17.80	18.70	0.90	5463.41
TMW-1	09/24/10	5481.43	14.10	14.45	0.35	5467.25
TMW-1	11/09/10	5481.43	14.37	14.62	0.25	5467.00
TMW-1	02/01/11	5481.43	17.00	17.45	0.45	5464.32
TMW-1	05/03/11	5481.43	18.55	19.76	1.21	5462.58
TMW-1	09/27/11	5481.43	12.03	12.43	0.40	5469.30
TMW-1	11/16/11	5481.43	12.31	12.44	0.13	5469.09
TMW-1	02/16/12	5481.43	12.03	14.25	2.22	5468.85
TMW-1	05/07/12	5481.43	14.18	14.20	0.02	5467.25
TMW-1	06/07/13	5481.43	ND	13.65		5467.78
TMW-1	09/11/13	5481.43	ND	12.14		5469.29
TMW-1	12/13/13	5481.43	ND	13.90		5467.53
TMW-1	04/03/14	5481.43	17.25	17.36	0.11	5464.16
TMW-1 abandoned on September 8, 2014, and replaced with MW-8						
MW-8	10/25/14	5481.83	ND	12.50		5469.33
MW-8	05/30/15	5481.83	ND	16.28		5465.55
MW-8	11/18/15	5481.83	ND	14.60		5467.23
MW-8	04/18/16	5481.83	ND	19.11		5462.72
MW-8	10/14/16	5481.83	ND	15.61		5466.22
MW-8	06/11/17	5481.83	17.20	18.09	0.89	5464.41
MW-8	11/13/17	5481.83	ND	14.63		5467.20
MW-8	05/17/18	5481.83	ND	16.64		5465.19
MW-8	10/28/18	5481.83	ND	11.97		5469.86
MW-8	05/22/19	5481.83	ND	15.85		5465.98
MW-8	11/11/19	5481.83	ND	11.26		5470.57
MW-8	05/15/20	5481.83	ND	15.33		5466.50
MW-8	11/11/20	5481.83	ND	11.69		5470.14
MW-8	05/21/21	5481.83	ND	15.75		5466.08
MW-8	11/12/21	5481.83	ND	12.55		5469.28
MW-8	05/19/22	5481.83	ND	16.20		5465.63
MW-8	11/02/22	5481.83	ND	13.04		5468.79

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Gallegos Canyon Unit #142E						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-8	05/21/23	5481.83	ND	16.32		5465.51
MW-8	11/13/23	5481.83	ND	14.38		5467.45

Notes:

"ft" = feet

"TOC" = Top of casing

LNAPL = light non-aqueous phase liquid

"ND" = LNAPL not detected

"NR" = Presence or Absence of LNAPL not recorded

Groundwater elevation = Top of Casing elevation (TOC, ft) - Depth to Water [ft] + (LPH thickness [ft] x 0.75). A specific gravity of 0.75 is within the range of gas condensate (<https://www.sciencedirect.com/topics/earth-and-planetary-sciences/gas-condensate>)

FIGURES

FIGURE 1: SITE LOCATION

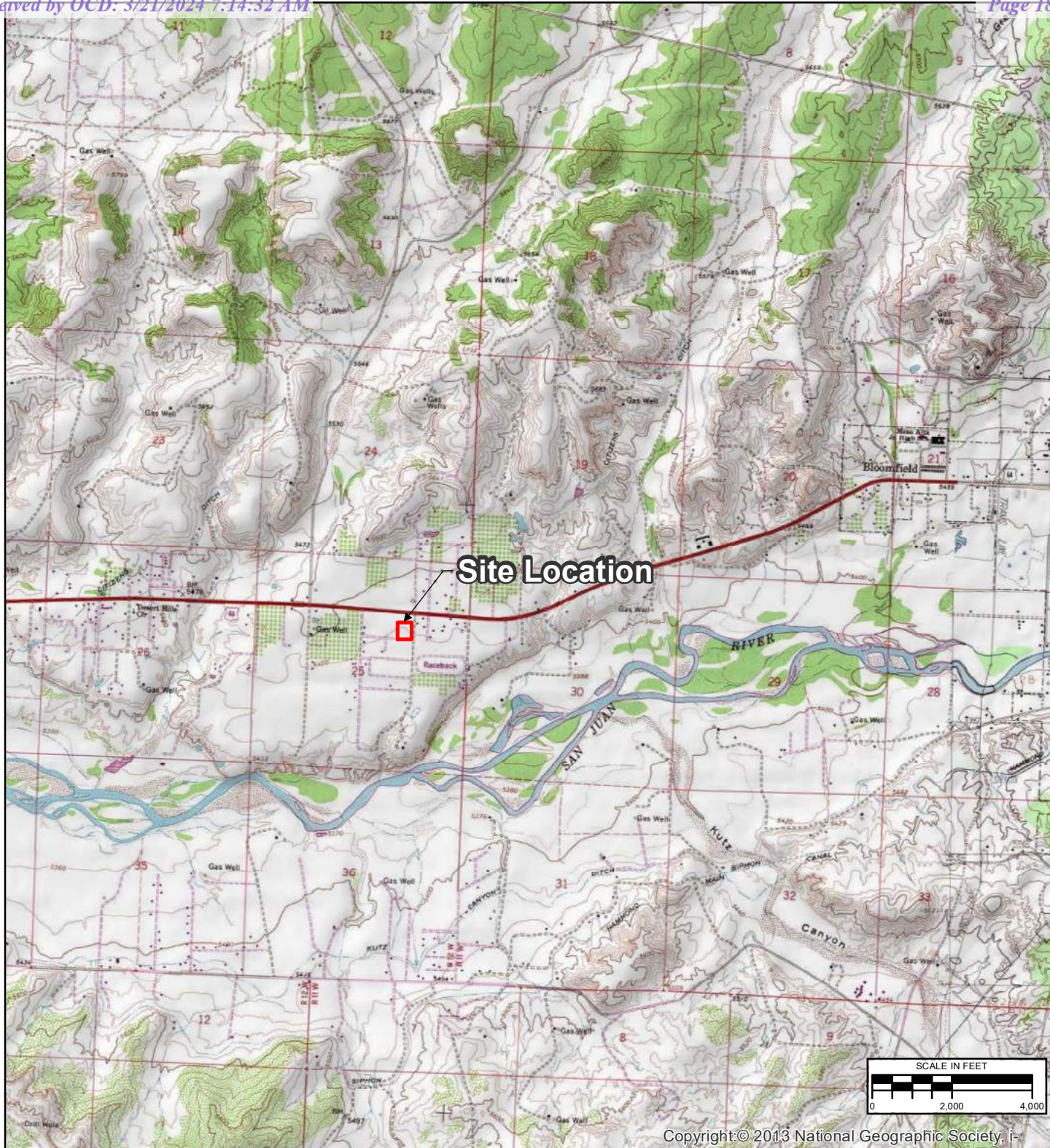
FIGURE 2: SITE PLAN

FIGURE 3: GROUNDWATER ANALYTICAL RESULTS – MAY 21, 2023

FIGURE 4: GROUNDWATER ELEVATION MAP – MAY 21, 2023

FIGURE 5: GROUNDWATER ANALYTICAL RESULTS – NOVEMBER 13, 2023

FIGURE 6: GROUNDWATER ELEVATION MAP – NOVEMBER 13, 2023




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REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/22/2021	SAH	SAH	SRV

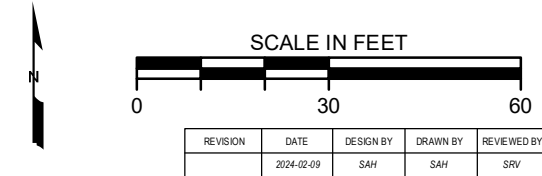
TITLE		
SITE LOCATION		
PROJECT	GALLEGOS CANYON UNIT COM A #142E SAN JUAN RIVER BASIN SAN JUAN COUNTY, NEW MEXICO	FIGURE
		1

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LEGEND:

- 5795 APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UNKNOWN LINE (POTENTIALLY ABANDONED)
- LOCATION OF FORMER 95 BARREL UST REMOVED 7/19/2011
- X- FENCE
- PW- PRODUCED WATER LINE
- UG- UNDERGROUND CABLE
- G- UNDERGROUND GAS LINE
- APPROXIMATE FORMER DITCH
- APPROXIMATE EXTENT OF 10/1996 EPNG SOIL EXCAVATION (EXCAVATED TO 15.5 FEET)
- MONITORING WELL
- ABANDONED MONITORING WELL
- SOIL BORING
- SIMCOE MONITORING WELL
- BP WELL (10/29/2018)
- WELLHEAD
- SMA BENCHMARK
- RIG ANCHOR



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-09	SAH	SAH	SRV

TITLE:
SITE PLAN

PROJECT:
**GALLEGOS CANYON UNIT COM A #142E
SAN JUAN COUNTY, NEW MEXICO**

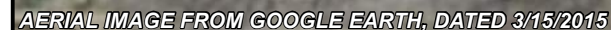


Figure No.:
2

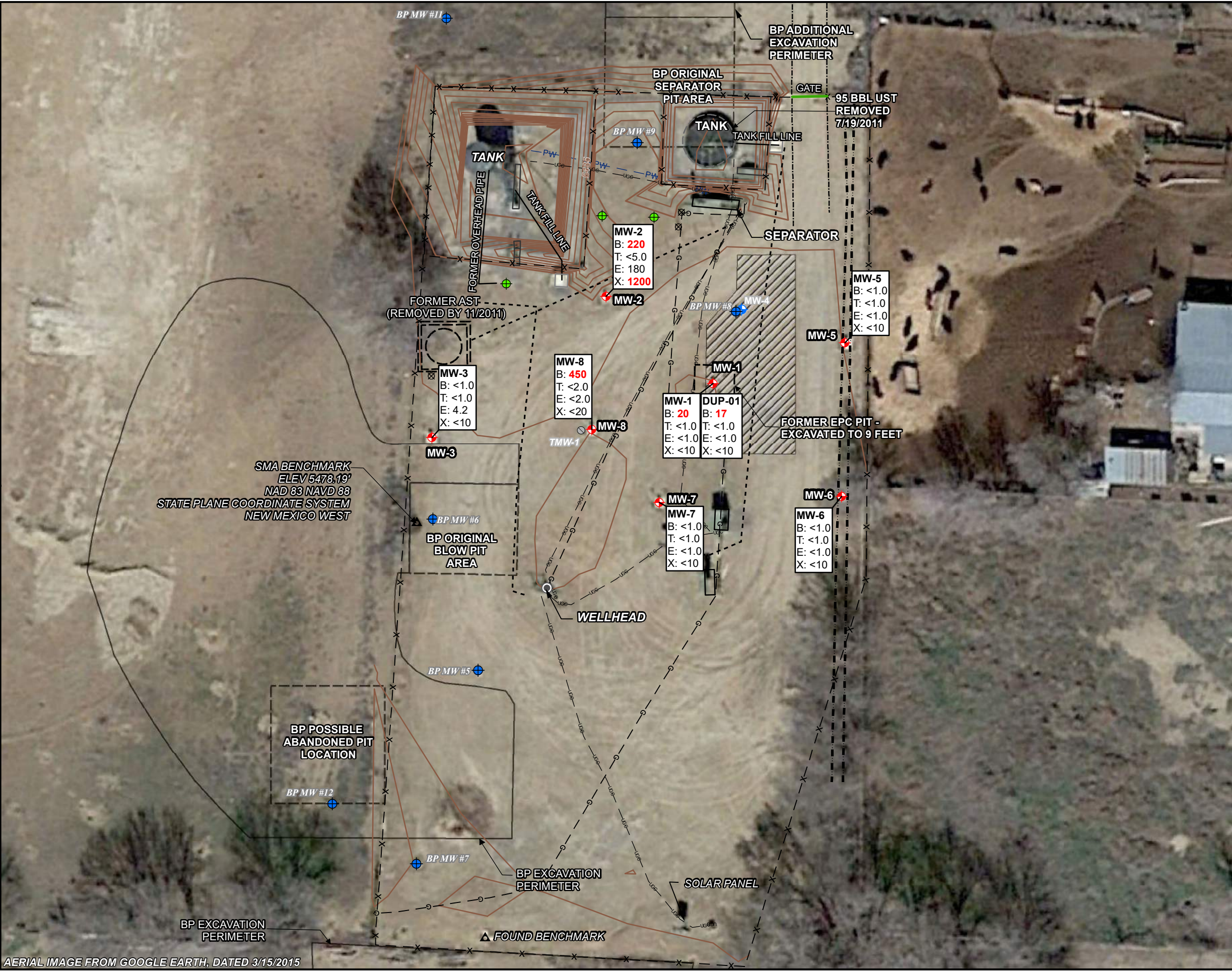
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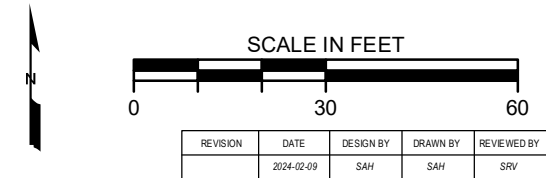
LEGEND:

- 5795 APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UNKNOWN LINE (POTENTIALLY ABANDONED)
- LOCATION OF FORMER 95 BARREL UST REMOVED 7/19/2011
- FENCE
- PRODUCED WATER LINE
- UNDERGROUND CABLE
- UNDERGROUND GAS LINE
- APPROXIMATE FORMER DITCH
- APPROXIMATE EXTENT OF 10/1996 EPNG SOIL EXCAVATION (EXCAVATED TO 15.5 FEET)
- MONITORING WELL
- ABANDONED MONITORING WELL
- SOIL BORING
- SIMCOE MONITORING WELL
- BP WELL (10/29/2018)
- WELLHEAD
- SMA BENCHMARK
- RIG ANCHOR

NOTES:
UTILITY LOCATIONS ARE APPROXIMATE.
BP FORMER PIT AND EXCAVATION PERIMETER INFORMATION OBTAINED FROM 06/24/2011 FIGURE FROM BLAGG ENGINEERING.

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:
RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
NS = NOT SAMPLED
µg/L = MICROGRAMS PER LITER
<1 = BELOW REPORTING LIMIT

ANALYTE	NMWQCC STANDARDS
B = Benzene	10 µg/L
T = Toluene	750 µg/L
E = Ethylbenzene	750 µg/L
X = Total Xylenes	620 µg/L

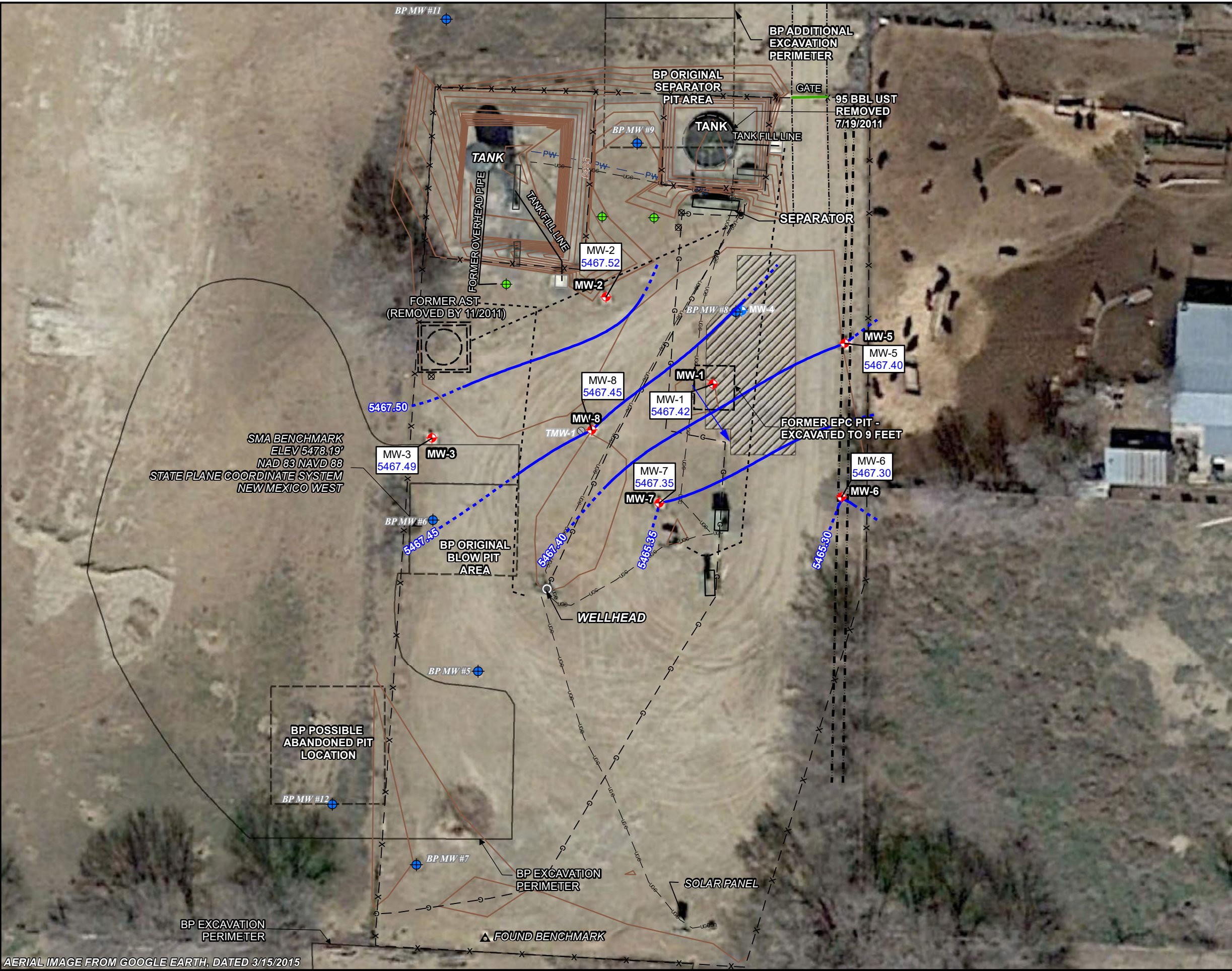


TITLE:
**GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 13, 2023**

PROJECT:
**GALLEGOS CANYON UNIT COM A #142E
SAN JUAN COUNTY, NEW MEXICO**

Figure No.: **5**

\\cd1001-c200\CTX-CIFSS\VD\Redirect\shansen\Desktop\GIS-NEW\MXDs\GALLEGOS CAYON UNIT #142E\2023 MAPS\GCU#142E_GECM_2SA_2023.mxd



AERIAL IMAGE FROM GOOGLE EARTH, DATED 3/15/2015

LEGEND:

- 5795 APPROX. GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- UNKNOWN LINE (POTENTIALLY ABANDONED)
- LOCATION OF FORMER 95 BARREL UST REMOVED 7/19/2011
- FENCE
- PW PRODUCED WATER LINE
- UGG UNDERGROUND CABLE
- G UNDERGROUND GAS LINE
- APPROXIMATE FORMER DITCH
- APPROXIMATE EXTENT OF 10/1996 EPNG SOIL EXCAVATION (EXCAVATED TO 15.5 FEET)
- MONITORING WELL
- ABANDONED MONITORING WELL
- SOIL BORING
- SIMCOE MONITORING WELL
- BP WELL (10/29/2018)
- WELLHEAD
- SMA BENCHMARK
- RIG ANCHOR

NOTES:

5467.30 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

5467.40 WATER LEVEL ELEVATION CONTOUR (DASHED WHERE INFERRED, FEET ABOVE MEAN SEA LEVEL)

Direction of Apparent Groundwater Flow

UTILITY LOCATIONS ARE APPROXIMATE.
BP FORMER PIT AND EXCAVATION PERIMETER INFORMATION OBTAINED FROM 06/24/2011 FIGURE FROM BLAGG ENGINEERING.

SCALE IN FEET

0 30 60

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-09	SAH	SAH	SRV

TITLE:

**GROUNDWATER ELEVATION MAP
NOVEMBER 13, 2023**

PROJECT:

**GALLEGOS CANYON UNIT COM A #142E
SAN JUAN COUNTY, NEW MEXICO**

Stantec

Figure No.:

6

APPENDICES

APPENDIX A – SITE HISTORY

APPENDIX B – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX C – WASTE DISPOSAL DOCUMENTATION

APPENDIX D – GROUNDWATER ANALYTICAL LAB REPORTS

APPENDIX A

Site History

GCU Com A #142E
Site History
San Juan River Basin, New Mexico

Date	Source (Regulatory File #)	Event/Action	Description/Comments
10/26/1984	API # 30-045-26125	Application for Permit to Drill	Amoco Production Company is operator.
1/7/1985	API # 30-045-26125	Sundry Notice	Spud and set casing. Spudded 12/4/1984, rig released 12/14/1984.
2/4/1985	API # 30-045-26125	Well Completion Report	Well completed 1/17/1985. First production 1/30/1985.
9/16/1995	Unknown	EPFS Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Outlines approach to investigating and remediating soil and groundwater at closed pit sites.
11/29/1995	Unknown	EPFS Addendum to the Remediation Plan for Groundwater Encountered During Pit Closure Activities to NMOCD	Amends work plan for include installation of additional wells for delienation, define groundwater sampling parameters, and release closure following four consecutive quarters of results below NMWQCC standards.
11/30/1995	Unknown	NMOCD approval of the Remediation Plan with conditions	Approval of Remediation Plan and Addendum.
6/2/1997	nAUTOfAB000219 (3RP-179)	Semi-annual EPFS Pit Projects Groundwater Report	Lists pits where groundwater was encountered.
8/6/1997	nAUTOfAB000219 (3RP-179)	NMOCD review letter	Approves modifying reporting schedule from semi-annual to annual basis
2/27/1998	nAUTOfAB000219 (3RP-179)	Phillip Services' 1997 Annual Report (for EPFS)	Documents pit close, over-excavation, MW-1 installation and quarterly groundwater sampling.
7/8/1998	nAUTOfAB000219 (3RP-179)	NMOCD 1997 Annual Report review letter	NMOCD requests EPFS work cooperatively with operator to investigate and remediate the site.
7/9/1998	nAUTOfAB000219 (3RP-179)	NMOCD letter to Amoco Production Company	NMOCD requests Amoco cooperate with EPFS to investigate and remediate contaminated groundwater at the site.
3/31/1999	nAUTOfAB000219 (3RP-179)	Phillip Services' 1998 Annual Report (for EPFS)	Quarterly groundwater monitoring.
3/24/2000	nAUTOfAB000219 (3RP-179)	Phillip Services' 1999 Annual Report (for EPFS) submitted	Annual groundwater monitoring.

GCU Com A #142E
Site History
San Juan River Basin, New Mexico

2/26/2001	nAUTOfAB000219 (3RP-179)	Phillip Services' 2000 Annual Report (for EPFS)	Annual groundwater monitoring.
7/18/2001	nAUTOfAB000219 (3RP-179)	NMOCD 2000 Annual Report review letter	NMOCD requests EPFS work cooperatively with the operator to investigate and remediate contaminated groundwater.
12/10/2001	API # 30-045-26125	Change of Operator Name	Change from Amoco Production Company to BP America Production Company.
2/28/2002	Not in NMOCD files	MWH 2001 Annual Report (for EPFS)	MW-2 installed and groundwater sampling activities
2/28/2003	nAUTOfAB000219 (3RP-179)	MWH 2002 Annual Report (for EPFS)	Annual groundwater sampling activities.
2/26/2004	nAUTOfAB000219 (3RP-179)	MWH 2003 Annual Report (for EPFS)	Semi-annual groundwater sampling activities.
2/21/2005	Not in NMOCD files	MWH 2004 Annual Report (for EPFS)	Quarterly groundwater sampling
3/2/2006	Not in NMOCD files	MWH 2005 Annual Report (for EPFS)	Quarterly groundwater sampling
2/16/2007	Not in NMOCD files	MWH 2006 Annual Report (for EPFS)	TW-1 installed; quarterly groundwater sampling
4/2/2008	nAUTOfAB000219 (3RP-179)	MWH 2007 Annual Report (for EPTPC)	Annual groundwater sampling activities.
2/28/2009	nAUTOfAB000219 (3RP-179)	MWH 2008 Annual Report (for EPTPC)	Annual groundwater sampling activities.
4/16/2010	nAUTOfAB000219 (3RP-179)	MWH 2009 Annual Report (for EPTPC)	Semi-annual groundwater sampling, LNAPL recovery.
3/2/2011	nAUTOfAB000219 (Case # 3RP-179)	MWH Final 2010 Annual Report (for EPTPC)	Semi-annual groundwater sampling. LNAPL recovery at MW-2.
7/28/2011	API # 30-045-26125	Blagg Engineering Field Report	Closure activities for BGT and composite sampling. No apparent evidence of a release observed from BGT.
8/16/2012	nAUTOfAB000219 (Case # 3RP-179)	MWH 2011 Annual Report (for EPCGPC)	Annual groundwater sampling and quarterly LNAPL recovery.
4/4/2014	nAUTOfAB000219 (Case # 3RP-179)	MWH 2013 Annual Report (for EPCGP)	Quarterly groundwater sampling.
5/28/2014	nAUTOfAB000219 (Case # 3RP-179)	MWH 2014 Monitoring Well Installation Work Plan (for EPCGP)	Six monitoring wells are proposed for installation.

GCU Com A #142E
Site History
San Juan River Basin, New Mexico

12/23/2014	API # 30-045-26125	BP Release Notification and Corrective Action form dated 12/23/2014 & Closure of a Pit (Form C-144) dated 12/23/2014 and stating closure was completed 7/28/2011.	BGT closure sampling activities.
2/3/2015	nAUTOfAB000219 (Case # 3RP-179)	MWH 2014 Annual Report (for EPCGP)	MW-3 and MW-5 through MW-8 installed and one soil boring (SB-4) advanced. Semi-annual groundwater monitoring.
2/12/2016	nAUTOfAB000219 (Case # 3RP-179)	MWH 2015 Annual Report (for EPCGP)	Semi-annual groundwater monitoring.
3/20/2017	nAUTOfAB000219 (Case # 3RP-179)	MWH 2016 Annual Report (for EPCGP)	Semi-annual groundwater monitoring.
6/2/2017	nAUTOfAB000219 (Case # 3RP-179)	Letter from NMOCD to El Paso	Remediation plan requested.
7/19/2017	nAUTOfAB000219 (Case # 3RP-179)	Response letter from EPCGPC to NMOCD	BP release information requested before EPCGP conducts additional work.
11/14/2017	nAUTOfAB000219 (Case # 3RP-179)	Letter from NMOCD to EPCGP	NMOCD will open a file related to BP. It will soon appear as 3RP-1055 (GCU A #142E). BP will soon provide their monitoring data for these files.
3/28/2018	nAUTOfAB000219 (Case # 3RP-179)	Stantec 2017 Annual Report (for EPCGP)	Semi-annual groundwater monitoring activities.
4/5/2018	API # 30-045-26125	BP Release Notification and Corrective Action	Historical discharge noted from 1996 pit closure and excavated. During BGT closures in 2010, additional impacts were identified. BP installed several monitoring wells at those times.
4/5/2018	API # 30-045-26125	BP Groundwater Delineation Plan	Install two additional monitoring wells and conducting sampling.
1/25/2019	Not in NMOCD files	Stantec 2018 Groundwater Sampling Activities, Site Conceptual Model and Request for Site Closure (for EPCGP)	EPCGP requests closure of the Site.
4/1/2020	nAUTOfAB000219	Stantec 2019 Annual Groundwater Report (for EPCGP)	Semi-annual groundwater monitoring activities.
4/2/2020	API # 30-045-26125	Change of Operator	Changed from BP America Production Company to SIMCOE LLC.

GCU Com A #142E
Site History
San Juan River Basin, New Mexico

4/8/2021	nAUTOfAB000219	Stantec 2020 Annual Groundwater Report (for EPCGP)	Semi-annual groundwater monitoring activities.
4/20/2022	Not in NMOCD files	Stantec 2021 Annual Groundwater Report (for EPCGP)	Semi-annual groundwater monitoring activities.
3/27/2023	Not in NMOCD files	Stantec 2022 Annual Groundwater Report (for EPCGP)	Semi-annual groundwater monitoring activities.

APPENDIX B

NMOCD Notification of Site Activities

From: [Varsa, Steve](#)
To: nelson.valez@state.nm.us
Cc: [Bratcher, Mike, EMNRD](#); [Wiley, Joe](#)
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Friday, May 12, 2023 9:54:16 PM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming semi-annual groundwater sampling and monitoring activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOAB000065	5/20/2023
Fields A#7A	nAUTOAB000176	5/21/2023
Fogelson 4-1	nAUTOAB000192	5/18/2023
Gallegos Canyon Unit #124E	nAUTOAB000205	5/17/2023
GCU Com A #142E	nAUTOAB000219	5/21/2023
James F. Bell #1E	nAUTOAB000291	5/18/2023
Johnston Fed #4	nAUTOAB000305	5/19/2023
Johnston Fed #6A	nAUTOAB000309	5/19/2023
K27 LDO72	nAUTOAB000316	5/20/2023
Knight #1	nAUTOAB000324	5/17/2023
Lateral L 40 Line Drip	nAUTOAB000335	5/21/2023
Sandoval GC A #1A	nAUTOAB000635	5/19/2023
Standard Oil Com #1	nAUTOAB000666	5/20/2023
State Gas Com N #1	nAUTOAB000668	5/22/2023

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Wednesday, May 17, 2023.

Please feel free to contact Joe Wiley, Project Manager at EPCGP, 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

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From: [Varsa, Steve](#)
To: nelson.valez@state.nm.us
Cc: [Bratcher, Mike, EMNRD](#); [Wiley, Joe](#)
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Thursday, November 2, 2023 6:17:33 AM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of upcoming semi-annual groundwater sampling and monitoring activities at the following EPCGP project sites:

Site Name	Incident Number	Sample Date
Canada Mesa #2	nAUTOAB000065	11/12/2023
Fields A#7A	nAUTOAB000176	11/15/2023
Fogelson 4-1	nAUTOAB000192	11/8/2023
Gallegos Canyon Unit #124E	nAUTOAB000205	11/9/2023
GCU Com A #142E	nAUTOAB000219	11/9/2023
James F. Bell #1E	nAUTOAB000291	11/15/2023
Johnston Fed #4	nAUTOAB000305	11/11/2023
Johnston Fed #6A	nAUTOAB000309	11/11/2023
K27 LDO72	nAUTOAB000316	11/12/2023
Knight #1	nAUTOAB000324	11/7/2023
Lateral L 40 Line Drip	nAUTOAB000335	11/16/2023
Sandoval GC A #1A	nAUTOAB000635	11/11/2023
Standard Oil Com #1	nAUTOAB000666	11/12/2023
State Gas Com N #1	nAUTOAB000668	11/10/2023

We also plan to conduct quarterly operation and maintenance activities on the Knight #1 air sparge/soil vapor extraction system (Incident number nAUTOAB000324) on Tuesday, November 7, 2023.

Please feel free to contact Joe Wiley, Project Manager at EPCGP, 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

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APPENDIX C

Waste Disposal Documentation



Bill of Lading

MANIFEST # 79427

GENERATOR Kluder Morgan
POINT OF ORIGIN Bio Vista Camp Station
TRANSPORTER Envirotech *

TRANSPORTER, Envirotech

DATE 5/22/2023 JOB # 14073-0073

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

[illegible]**Generator Onsite Contact**

Phone (515) 557-0104

Signatures required prior to distribution of the legal document.

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

BOL# 79427

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 5/22/2023TIME 1550

Attach test strip here

CUSTOMER Kinder MorganSITE Bio Vista Comp StationSJ River Plant
Blanco N Flare
Alameda's Pit
SitesDRIVER [Signature]

SAMPLE

Soil Straight With Dirt ✓

CHLORIDE TEST

-281 mg/Kg

ACCEPTED

YES ✓NO

PAINT FILTER TEST

Time started 1550Time completed 1600

PASS

YES ✓NO SAMPLER/ANALYST [Signature]

5796 US Hwy 64, Farmington, NM 87401 || Ph (505) 632-0615 / Fr (800) 362-1879 Fx (505) 632-1865 || info@envirotech-inc.com envirotech-inc.com



envirotech

Bill of Lading

MANIFEST # 82577

GENERATOR EL PASO

POINT OF ORIGIN See the C-138 for list

TRANSPORTER Envirotech

DATE 11/16/23 JOB # 14073-0081

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# 82577

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/16/23 TIME 1430 Attach test strip hereCUSTOMER ELPASOSITE See Bol 82577DRIVER Steven by Gony RSAMPLE Soil Straight With Dirt XCHLORIDE TEST -272 mg/KgACCEPTED YES X NO PAINT FILTER TEST Time started 1430 Time completed 1441PASS YES X NO SAMPLER/ANALYST Gony R

APPENDIX D

Groundwater Analytical Lab Reports





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 6/13/2023 5:53:03 PM Revision 1

JOB DESCRIPTION

GCU Com A #142E.00
SDG NUMBER GCU 142

JOB NUMBER

400-238103-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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 Southeast, LLC Project Manager.

Authorization



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6/13/2023 5:53:03 PM
Revision 1

Authorized for release by
Isabel Enfinger, Project Manager I
isabel.enfinger@et.eurofinsus.com
Designee for
Cheyenne Whitmire, Project Manager II
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Laboratory Job ID: 400-238103-1
SDG: GCU 142

Table of Contents

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Job ID: 400-238103-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative
400-238103-1

Comments

No additional comments.

Receipt

The samples were received on 5/23/2023 9:10 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 was 5.2° C.

GC/MS VOA

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2 (400-238103-4). Elevated reporting limits (RLs) are provided.

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

VOA Prep

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: TRIP BLANK

Lab Sample ID: 400-238103-1

No Detections.

Client Sample ID: DUP-01

Lab Sample ID: 400-238103-2

No Detections.

Client Sample ID: MW-1

Lab Sample ID: 400-238103-3

No Detections.

Client Sample ID: MW-2

Lab Sample ID: 400-238103-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	570		10		ug/L	10			8260D	Total/NA
Ethylbenzene	740		10		ug/L	10			8260D	Total/NA
Xylenes, Total - DL	4600		250		ug/L	25			8260D	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 400-238103-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Ethylbenzene	2.6		1.0		ug/L	1			8260D	Total/NA
Xylenes, Total	11		10		ug/L	1			8260D	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 400-238103-6

No Detections.

Client Sample ID: MW-6

Lab Sample ID: 400-238103-7

No Detections.

Client Sample ID: MW-7

Lab Sample ID: 400-238103-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	3.3		1.0		ug/L	1			8260D	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 400-238103-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

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Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-238103-1	TRIP BLANK	Water	05/21/23 07:00	05/23/23 09:10
400-238103-2	DUP-01	Water	05/21/23 07:05	05/23/23 09:10
400-238103-3	MW-1	Water	05/21/23 07:50	05/23/23 09:10
400-238103-4	MW-2	Water	05/21/23 07:45	05/23/23 09:10
400-238103-5	MW-3	Water	05/21/23 07:35	05/23/23 09:10
400-238103-6	MW-5	Water	05/21/23 07:30	05/23/23 09:10
400-238103-7	MW-6	Water	05/21/23 07:25	05/23/23 09:10
400-238103-8	MW-7	Water	05/21/23 07:20	05/23/23 09:10
400-238103-9	MW-8	Water	05/21/23 07:40	05/23/23 09:10



Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: TRIP BLANK
Date Collected: 05/21/23 07:00
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238103-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 23:22	1
Toluene	<1.0		1.0		ug/L			06/02/23 23:22	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 23:22	1
Xylenes, Total	<10		10		ug/L			06/02/23 23:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		64 - 132		06/02/23 23:22	1
Dibromofluoromethane	113		75 - 126		06/02/23 23:22	1
4-Bromofluorobenzene	92		72 - 130		06/02/23 23:22	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: DUP-01

Lab Sample ID: 400-238103-2

Date Collected: 05/21/23 07:05

Matrix: Water

Date Received: 05/23/23 09:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 23:44	1
Toluene	<1.0		1.0		ug/L			06/02/23 23:44	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 23:44	1
Xylenes, Total	<10		10		ug/L			06/02/23 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		64 - 132		06/02/23 23:44	1
Dibromofluoromethane	114		75 - 126		06/02/23 23:44	1
4-Bromofluorobenzene	92		72 - 130		06/02/23 23:44	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: MW-1
Date Collected: 05/21/23 07:50
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238103-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/23 00:07	1
Toluene	<1.0		1.0		ug/L			06/03/23 00:07	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/23 00:07	1
Xylenes, Total	<10		10		ug/L			06/03/23 00:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		64 - 132					06/03/23 00:07	1
Dibromofluoromethane	116		75 - 126					06/03/23 00:07	1
4-Bromofluorobenzene	91		72 - 130					06/03/23 00:07	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: MW-2
Date Collected: 05/21/23 07:45
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238103-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	570		10		ug/L			06/03/23 11:46	10
Toluene	<10		10		ug/L			06/03/23 11:46	10
Ethylbenzene	740		10		ug/L			06/03/23 11:46	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		64 - 132					06/03/23 11:46	10
Dibromofluoromethane	107		75 - 126					06/03/23 11:46	10
4-Bromofluorobenzene	94		72 - 130					06/03/23 11:46	10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	4600		250		ug/L			06/04/23 13:03	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		64 - 132					06/04/23 13:03	25
Dibromofluoromethane	108		75 - 126					06/04/23 13:03	25
4-Bromofluorobenzene	94		72 - 130					06/04/23 13:03	25

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: MW-3
Date Collected: 05/21/23 07:35
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238103-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/23 08:22	1
Toluene	<1.0		1.0		ug/L			06/03/23 08:22	1
Ethylbenzene	2.6		1.0		ug/L			06/03/23 08:22	1
Xylenes, Total	11		10		ug/L			06/03/23 08:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		64 - 132					06/03/23 08:22	1
Dibromofluoromethane	108		75 - 126					06/03/23 08:22	1
4-Bromofluorobenzene	96		72 - 130					06/03/23 08:22	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: MW-5

Lab Sample ID: 400-238103-6

Date Collected: 05/21/23 07:30

Matrix: Water

Date Received: 05/23/23 09:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/23 08:44	1
Toluene	<1.0		1.0		ug/L			06/03/23 08:44	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/23 08:44	1
Xylenes, Total	<10		10		ug/L			06/03/23 08:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		64 - 132		06/03/23 08:44	1
Dibromofluoromethane	114		75 - 126		06/03/23 08:44	1
4-Bromofluorobenzene	92		72 - 130		06/03/23 08:44	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: MW-6

Lab Sample ID: 400-238103-7

Date Collected: 05/21/23 07:25

Matrix: Water

Date Received: 05/23/23 09:10

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/23 09:07	1
Toluene	<1.0		1.0		ug/L			06/03/23 09:07	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/23 09:07	1
Xylenes, Total	<10		10		ug/L			06/03/23 09:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		64 - 132		06/03/23 09:07	1
Dibromofluoromethane	113		75 - 126		06/03/23 09:07	1
4-Bromofluorobenzene	91		72 - 130		06/03/23 09:07	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: MW-7
Date Collected: 05/21/23 07:20
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238103-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.3		1.0		ug/L			06/03/23 09:30	1
Toluene	<1.0		1.0		ug/L			06/03/23 09:30	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/23 09:30	1
Xylenes, Total	<10		10		ug/L			06/03/23 09:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		64 - 132					06/03/23 09:30	1
Dibromofluoromethane	113		75 - 126					06/03/23 09:30	1
4-Bromofluorobenzene	92		72 - 130					06/03/23 09:30	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: MW-8
Date Collected: 05/21/23 07:40
Date Received: 05/23/23 09:10

Lab Sample ID: 400-238103-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/23 10:38	1
Toluene	<1.0		1.0		ug/L			06/03/23 10:38	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/23 10:38	1
Xylenes, Total	<10		10		ug/L			06/03/23 10:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		64 - 132					06/03/23 10:38	1
Dibromofluoromethane	114		75 - 126					06/03/23 10:38	1
4-Bromofluorobenzene	92		72 - 130					06/03/23 10:38	1

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: TRIP BLANK**Lab Sample ID: 400-238103-1****Date Collected: 05/21/23 07:00****Matrix: Water****Date Received: 05/23/23 09:10**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 23:22	WPD	EET PEN

Client Sample ID: DUP-01**Lab Sample ID: 400-238103-2****Date Collected: 05/21/23 07:05****Matrix: Water****Date Received: 05/23/23 09:10**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 23:44	WPD	EET PEN

Client Sample ID: MW-1**Lab Sample ID: 400-238103-3****Date Collected: 05/21/23 07:50****Matrix: Water****Date Received: 05/23/23 09:10**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/03/23 00:07	WPD	EET PEN

Client Sample ID: MW-2**Lab Sample ID: 400-238103-4****Date Collected: 05/21/23 07:45****Matrix: Water****Date Received: 05/23/23 09:10**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	627676	06/03/23 11:46	WPD	EET PEN
Total/NA	Analysis	8260D	DL	25	5 mL	5 mL	627747	06/04/23 13:03	WPD	EET PEN

Client Sample ID: MW-3**Lab Sample ID: 400-238103-5****Date Collected: 05/21/23 07:35****Matrix: Water****Date Received: 05/23/23 09:10**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627676	06/03/23 08:22	WPD	EET PEN

Client Sample ID: MW-5**Lab Sample ID: 400-238103-6****Date Collected: 05/21/23 07:30****Matrix: Water****Date Received: 05/23/23 09:10**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627676	06/03/23 08:44	WPD	EET PEN

Client Sample ID: MW-6**Lab Sample ID: 400-238103-7****Date Collected: 05/21/23 07:25****Matrix: Water****Date Received: 05/23/23 09:10**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627676	06/03/23 09:07	WPD	EET PEN

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Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: MW-7**Lab Sample ID: 400-238103-8****Date Collected: 05/21/23 07:20****Matrix: Water****Date Received: 05/23/23 09:10**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627676	06/03/23 09:30	WPD	EET PEN

Client Sample ID: MW-8**Lab Sample ID: 400-238103-9****Date Collected: 05/21/23 07:40****Matrix: Water****Date Received: 05/23/23 09:10**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627676	06/03/23 10:38	WPD	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-627521/4****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 15:01	WPD	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-627676/4****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627676	06/03/23 07:59	WPD	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-627747/4****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627747	06/04/23 08:07	WPD	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-627521/1002****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627521	06/02/23 13:57	WPD	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-627676/1002****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627676	06/03/23 07:13	WPD	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-627747/1002
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	627747	06/04/23 07:21	WPD	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

- 1
- 2
- 3
- 4
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- 14

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

GC/MS VOA

Analysis Batch: 627521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238103-1	TRIP BLANK	Total/NA	Water	8260D	
400-238103-2	DUP-01	Total/NA	Water	8260D	
400-238103-3	MW-1	Total/NA	Water	8260D	
MB 400-627521/4	Method Blank	Total/NA	Water	8260D	
LCS 400-627521/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 627676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238103-4	MW-2	Total/NA	Water	8260D	
400-238103-5	MW-3	Total/NA	Water	8260D	
400-238103-6	MW-5	Total/NA	Water	8260D	
400-238103-7	MW-6	Total/NA	Water	8260D	
400-238103-8	MW-7	Total/NA	Water	8260D	
400-238103-9	MW-8	Total/NA	Water	8260D	
MB 400-627676/4	Method Blank	Total/NA	Water	8260D	
LCS 400-627676/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 627747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-238103-4 - DL	MW-2	Total/NA	Water	8260D	
MB 400-627747/4	Method Blank	Total/NA	Water	8260D	
LCS 400-627747/1002	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-627521/4

Matrix: Water

Analysis Batch: 627521

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/02/23 15:01	1
Toluene	<1.0		1.0		ug/L			06/02/23 15:01	1
Ethylbenzene	<1.0		1.0		ug/L			06/02/23 15:01	1
Xylenes, Total	<10		10		ug/L			06/02/23 15:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		64 - 132		06/02/23 15:01	1
Dibromofluoromethane	111		75 - 126		06/02/23 15:01	1
4-Bromofluorobenzene	91		72 - 130		06/02/23 15:01	1

Lab Sample ID: LCS 400-627521/1002

Matrix: Water

Analysis Batch: 627521

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	51.2		ug/L		102	70 - 130
Toluene	50.0	49.1		ug/L		98	70 - 130
Ethylbenzene	50.0	51.7		ug/L		103	70 - 130
Xylenes, Total	100	103		ug/L		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		67 - 134
Toluene-d8 (Surr)	94		64 - 132
Dibromofluoromethane	106		75 - 126
4-Bromofluorobenzene	95		72 - 130

Lab Sample ID: MB 400-627676/4

Matrix: Water

Analysis Batch: 627676

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			06/03/23 07:59	1
Toluene	<1.0		1.0		ug/L			06/03/23 07:59	1
Ethylbenzene	<1.0		1.0		ug/L			06/03/23 07:59	1
Xylenes, Total	<10		10		ug/L			06/03/23 07:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		64 - 132		06/03/23 07:59	1
Dibromofluoromethane	113		75 - 126		06/03/23 07:59	1
4-Bromofluorobenzene	91		72 - 130		06/03/23 07:59	1

Lab Sample ID: LCS 400-627676/1002

Matrix: Water

Analysis Batch: 627676

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	48.7		ug/L		97	70 - 130
Toluene	50.0	45.8		ug/L		92	70 - 130

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 400-627676/1002

Matrix: Water

Analysis Batch: 627676

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	50.0	48.3		ug/L		97	70 - 130
Xylenes, Total	100	96.8		ug/L		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		67 - 134
Toluene-d8 (Surr)	93		64 - 132
Dibromofluoromethane	107		75 - 126
4-Bromofluorobenzene	94		72 - 130

Lab Sample ID: MB 400-627747/4

Matrix: Water

Analysis Batch: 627747

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<10		10		ug/L			06/04/23 08:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		64 - 132		06/04/23 08:07	1
Dibromofluoromethane	112		75 - 126		06/04/23 08:07	1
4-Bromofluorobenzene	91		72 - 130		06/04/23 08:07	1

Lab Sample ID: LCS 400-627747/1002

Matrix: Water

Analysis Batch: 627747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	100	98.5		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		67 - 134
Toluene-d8 (Surr)	94		64 - 132
Dibromofluoromethane	106		75 - 126
4-Bromofluorobenzene	94		72 - 130

Eurofins Pensacola

[illegible]

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-238103-1

SDG Number: GCU 142

Login Number: 238103**List Number: 1****Creator: Perez, Trina M****List Source: Eurofins Pensacola**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	5.2°C IR-8
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.	N/A	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-238103-1
SDG: GCU 142

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-24



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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/4/2023 9:56:58 AM

JOB DESCRIPTION

GCU Com A #142E.00

JOB NUMBER

400-246823-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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 Southeast, LLC Project Manager.

Authorization



Generated
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(850)471-6222

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Laboratory Job ID: 400-246823-1

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Job ID: 400-246823-1

Laboratory: Eurofins Pensacola

Narrative	Job Narrative 400-246823-1
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Receipt
The samples were received on 11/15/2023 8:54 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 was 1.8° C.

GC/MS VOA
Method 8260D: The matrix spike (MS) recovery for analytical batch 400-651430 was outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-2 (400-246823-2) and MW-8 (400-246823-7). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: MW-1

Lab Sample ID: 400-246823-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	20		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-2

Lab Sample ID: 400-246823-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	220		5.0		ug/L	5		8260D	Total/NA
Ethylbenzene	180		5.0		ug/L	5		8260D	Total/NA
Xylenes, Total	1200		50		ug/L	5		8260D	Total/NA

Client Sample ID: MW-3

Lab Sample ID: 400-246823-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	4.2		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: MW-5

Lab Sample ID: 400-246823-4

No Detections.

Client Sample ID: MW-6

Lab Sample ID: 400-246823-5

No Detections.

Client Sample ID: MW-7

Lab Sample ID: 400-246823-6

No Detections.

Client Sample ID: MW-8

Lab Sample ID: 400-246823-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	450		2.0		ug/L	2		8260D	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 400-246823-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	17		1.0		ug/L	1		8260D	Total/NA

Client Sample ID: TB-01

Lab Sample ID: 400-246823-9

No Detections.

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246823-1	MW-1	Water	11/13/23 16:39	11/15/23 08:54
400-246823-2	MW-2	Water	11/13/23 14:48	11/15/23 08:54
400-246823-3	MW-3	Water	11/13/23 16:52	11/15/23 08:54
400-246823-4	MW-5	Water	11/13/23 16:59	11/15/23 08:54
400-246823-5	MW-6	Water	11/13/23 17:05	11/15/23 08:54
400-246823-6	MW-7	Water	11/13/23 17:10	11/15/23 08:54
400-246823-7	MW-8	Water	11/13/23 17:16	11/15/23 08:54
400-246823-8	DUP-01	Water	11/13/23 12:00	11/15/23 08:54
400-246823-9	TB-01	Water	11/13/23 16:00	11/15/23 08:54



Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: MW-1

Lab Sample ID: 400-246823-1

Date Collected: 11/13/23 16:39

Matrix: Water

Date Received: 11/15/23 08:54

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	20		1.0		ug/L			11/22/23 15:24	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 15:24	1
Toluene	<1.0		1.0		ug/L			11/22/23 15:24	1
Xylenes, Total	<10		10		ug/L			11/22/23 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 130		11/22/23 15:24	1
Dibromofluoromethane	105		75 - 126		11/22/23 15:24	1
Toluene-d8 (Surr)	97		64 - 132		11/22/23 15:24	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: MW-2
Date Collected: 11/13/23 14:48
Date Received: 11/15/23 08:54

Lab Sample ID: 400-246823-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	220		5.0		ug/L			11/22/23 17:52	5
Ethylbenzene	180		5.0		ug/L			11/22/23 17:52	5
Toluene	<5.0		5.0		ug/L			11/22/23 17:52	5
Xylenes, Total	1200		50		ug/L			11/22/23 17:52	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		72 - 130					11/22/23 17:52	5
Dibromofluoromethane	86		75 - 126					11/22/23 17:52	5
Toluene-d8 (Surr)	114		64 - 132					11/22/23 17:52	5

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: MW-3
Date Collected: 11/13/23 16:52
Date Received: 11/15/23 08:54

Lab Sample ID: 400-246823-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 15:42	1
Ethylbenzene	4.2		1.0		ug/L			11/22/23 15:42	1
Toluene	<1.0		1.0		ug/L			11/22/23 15:42	1
Xylenes, Total	<10		10		ug/L			11/22/23 15:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 130					11/22/23 15:42	1
Dibromofluoromethane	87		75 - 126					11/22/23 15:42	1
Toluene-d8 (Surr)	114		64 - 132					11/22/23 15:42	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: MW-5
Date Collected: 11/13/23 16:59
Date Received: 11/15/23 08:54

Lab Sample ID: 400-246823-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 16:01	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 16:01	1
Toluene	<1.0		1.0		ug/L			11/22/23 16:01	1
Xylenes, Total	<10		10		ug/L			11/22/23 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 130		11/22/23 16:01	1
Dibromofluoromethane	110		75 - 126		11/22/23 16:01	1
Toluene-d8 (Surr)	96		64 - 132		11/22/23 16:01	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: MW-6
Date Collected: 11/13/23 17:05
Date Received: 11/15/23 08:54

Lab Sample ID: 400-246823-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 16:19	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 16:19	1
Toluene	<1.0		1.0		ug/L			11/22/23 16:19	1
Xylenes, Total	<10		10		ug/L			11/22/23 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 130					11/22/23 16:19	1
Dibromofluoromethane	110		75 - 126					11/22/23 16:19	1
Toluene-d8 (Surr)	97		64 - 132					11/22/23 16:19	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: MW-7

Lab Sample ID: 400-246823-6

Date Collected: 11/13/23 17:10

Matrix: Water

Date Received: 11/15/23 08:54

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 16:38	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 16:38	1
Toluene	<1.0		1.0		ug/L			11/22/23 16:38	1
Xylenes, Total	<10		10		ug/L			11/22/23 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 130		11/22/23 16:38	1
Dibromofluoromethane	110		75 - 126		11/22/23 16:38	1
Toluene-d8 (Surr)	96		64 - 132		11/22/23 16:38	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: MW-8
Date Collected: 11/13/23 17:16
Date Received: 11/15/23 08:54

Lab Sample ID: 400-246823-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	450		2.0		ug/L			11/22/23 17:34	2
Ethylbenzene	<2.0		2.0		ug/L			11/22/23 17:34	2
Toluene	<2.0		2.0		ug/L			11/22/23 17:34	2
Xylenes, Total	<20		20		ug/L			11/22/23 17:34	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		72 - 130					11/22/23 17:34	2
Dibromofluoromethane	97		75 - 126					11/22/23 17:34	2
Toluene-d8 (Surr)	103		64 - 132					11/22/23 17:34	2

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: DUP-01
Date Collected: 11/13/23 12:00
Date Received: 11/15/23 08:54

Lab Sample ID: 400-246823-8
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	17		1.0		ug/L			11/22/23 16:56	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 16:56	1
Toluene	<1.0		1.0		ug/L			11/22/23 16:56	1
Xylenes, Total	<10		10		ug/L			11/22/23 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 130		11/22/23 16:56	1
Dibromofluoromethane	104		75 - 126		11/22/23 16:56	1
Toluene-d8 (Surr)	96		64 - 132		11/22/23 16:56	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: TB-01

Lab Sample ID: 400-246823-9

Date Collected: 11/13/23 16:00

Matrix: Water

Date Received: 11/15/23 08:54

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 15:05	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 15:05	1
Toluene	<1.0		1.0		ug/L			11/22/23 15:05	1
Xylenes, Total	<10		10		ug/L			11/22/23 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 130		11/22/23 15:05	1
Dibromofluoromethane	108		75 - 126		11/22/23 15:05	1
Toluene-d8 (Surr)	97		64 - 132		11/22/23 15:05	1

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Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

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

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: MW-1**Lab Sample ID: 400-246823-1****Date Collected: 11/13/23 16:39****Matrix: Water****Date Received: 11/15/23 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651430	11/22/23 15:24	CAR	EET PEN

Client Sample ID: MW-2**Lab Sample ID: 400-246823-2****Date Collected: 11/13/23 14:48****Matrix: Water****Date Received: 11/15/23 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	651430	11/22/23 17:52	CAR	EET PEN

Client Sample ID: MW-3**Lab Sample ID: 400-246823-3****Date Collected: 11/13/23 16:52****Matrix: Water****Date Received: 11/15/23 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651430	11/22/23 15:42	CAR	EET PEN

Client Sample ID: MW-5**Lab Sample ID: 400-246823-4****Date Collected: 11/13/23 16:59****Matrix: Water****Date Received: 11/15/23 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651430	11/22/23 16:01	CAR	EET PEN

Client Sample ID: MW-6**Lab Sample ID: 400-246823-5****Date Collected: 11/13/23 17:05****Matrix: Water****Date Received: 11/15/23 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651430	11/22/23 16:19	CAR	EET PEN

Client Sample ID: MW-7**Lab Sample ID: 400-246823-6****Date Collected: 11/13/23 17:10****Matrix: Water****Date Received: 11/15/23 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651430	11/22/23 16:38	CAR	EET PEN

Client Sample ID: MW-8**Lab Sample ID: 400-246823-7****Date Collected: 11/13/23 17:16****Matrix: Water****Date Received: 11/15/23 08:54**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	651430	11/22/23 17:34	CAR	EET PEN

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Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Client Sample ID: DUP-01
Date Collected: 11/13/23 12:00
Date Received: 11/15/23 08:54

Lab Sample ID: 400-246823-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651430	11/22/23 16:56	CAR	EET PEN

Client Sample ID: TB-01
Date Collected: 11/13/23 16:00
Date Received: 11/15/23 08:54

Lab Sample ID: 400-246823-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651430	11/22/23 15:05	CAR	EET PEN

Client Sample ID: Method Blank
Date Collected: N/A
Date Received: N/A

Lab Sample ID: MB 400-651430/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651430	11/22/23 11:04	CAR	EET PEN

Client Sample ID: Lab Control Sample
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCS 400-651430/1001
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651430	11/22/23 09:31	CAR	EET PEN

Laboratory References:
EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

GC/MS VOA

Analysis Batch: 651430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246823-1	MW-1	Total/NA	Water	8260D	
400-246823-2	MW-2	Total/NA	Water	8260D	
400-246823-3	MW-3	Total/NA	Water	8260D	
400-246823-4	MW-5	Total/NA	Water	8260D	
400-246823-5	MW-6	Total/NA	Water	8260D	
400-246823-6	MW-7	Total/NA	Water	8260D	
400-246823-7	MW-8	Total/NA	Water	8260D	
400-246823-8	DUP-01	Total/NA	Water	8260D	
400-246823-9	TB-01	Total/NA	Water	8260D	
MB 400-651430/5	Method Blank	Total/NA	Water	8260D	
LCS 400-651430/1001	Lab Control Sample	Total/NA	Water	8260D	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-651430/5

Matrix: Water

Analysis Batch: 651430

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/22/23 11:04	1
Ethylbenzene	<1.0		1.0		ug/L			11/22/23 11:04	1
Toluene	<1.0		1.0		ug/L			11/22/23 11:04	1
Xylenes, Total	<10		10		ug/L			11/22/23 11:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 130		11/22/23 11:04	1
Dibromofluoromethane	104		75 - 126		11/22/23 11:04	1
Toluene-d8 (Surr)	99		64 - 132		11/22/23 11:04	1

Lab Sample ID: LCS 400-651430/1001

Matrix: Water

Analysis Batch: 651430

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	25.0	23.9		ug/L		96	70 - 130
m-Xylene & p-Xylene	25.0	22.3		ug/L		89	70 - 130
o-Xylene	25.0	20.1		ug/L		80	70 - 130
Ethylbenzene	25.0	22.9		ug/L		92	70 - 130
Toluene	25.0	23.3		ug/L		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		67 - 134
4-Bromofluorobenzene	93		72 - 130
Dibromofluoromethane	93		75 - 126
Toluene-d8 (Surr)	103		64 - 132

Eurofins Pensacola

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-246823-1

Login Number: 246823

List Source: Eurofins Pensacola

List Number: 1

Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	1.8°C IR8
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: GCU Com A #142E.00

Job ID: 400-246823-1

Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/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 325380

CONDITIONS

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 325380
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Report accepted for record.	6/16/2025
amaxwell	Subsequent report, app ID 444212, will be reviewed.	6/16/2025