2020 ANNUAL GROUNDWATER REPORT

Miles Federal #1A
Incident Number: nAUTOfAB000391
NMOCD Case#: 3RP-223-0
Meter Code: 94810
T26N, R7W, Sec5, Unit F

SITE DETAILS

Site Location: Latitude: 36.515700 N, Longitude -107.601460 W
Land Type: Federal
Operator: Cross Timbers Energy, LLC

SITE BACKGROUND

Environmental Remediation activities at Miles Federal #1A (Site) are 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 (EPCGP's) program methods. Currently, the Site is operated by Cross Timbers Energy, LLC and is active.

The Site is located on Federal land. An initial site assessment was completed in January 1994, and an excavation to approximately 12 feet below ground surface (bgs) was completed in June of 1994. Monitoring wells were installed in 1994 (MW-1) and 1999 (MW-2 and MW-3). Soil borings (DP-1 and DP-2) were advanced in 2016. The location of the Site is depicted on Figure 1. A Site Plan map depicting the locations of monitoring wells, soil borings, and current and historical site features is provided as Figure 2. Due to accessibility and safety issues on site, the NMOCD has agreed (October 14, 2014 meeting with Glen VonGotten and Jim Griswold) that no further delineation is needed. Currently, groundwater sampling is conducted on a semi-annual basis.

GROUNDWATER SAMPLING ACTIVITIES

Pursuant to the Remediation Plan, Stantec provided field work notifications via electronic mail (e-mail) to the NMOCD on May 5, 2020, and November 5, 2020, prior to initiating groundwater sampling activities at the Site. Copies of the 2020 NMOCD notifications are provided in Appendix A. On May 11 and November 12, 2020, water levels were gauged at MW-1, MW-2, and MW-3. No free product was detected in site monitoring wells during water level gauging in 2020. 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 well screen.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins-TestAmerica Laboratories, Inc. in Pensacola, Florida where they were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX). One laboratory-supplied trip blank and one blind field duplicate were also collected during each groundwater sampling event. The samples, field duplicate, and trip blank were analyzed for BTEX constituents using United States Environmental Protection Agency (EPA) Method 8260. The unused sample water was combined in a waste container and taken to Basin Disposal, Inc. (Basin) in Bloomfield, New Mexico for disposal. Waste disposal documentation is included as Appendix B.

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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 2020 groundwater sampling and gauging events.

ANALYTICAL LAB REPORTS

The groundwater analytical lab reports are included as Appendix C.

GROUNDWATER RESULTS

- Groundwater elevations indicate the groundwater flow direction at the Site was generally to the northwest during 2020 (see Figures 4 and 6).
- The groundwater samples collected in 2020 from MW-1 exceeded the New Mexico Water Quality Control Commission (NMWQCC) standard (10 micrograms per liter [µg/L]) for benzene in groundwater. Concentrations of benzene were not detected in the remaining Site monitoring wells sampled in 2020.
- Concentrations of toluene were either below the NMWQCC standard (750 µg/L) or not detected in the Site monitoring wells sampled in 2020.
- Concentrations of ethylbenzene were either below the NMWQCC standard (750 µg/L) or not detected in the Site monitoring wells sampled in 2020.
- Concentrations of total xylenes were ether below the NMWQCC standard (620 µg/L) or not detected in the Site monitoring wells sampled in 2020.
- A field duplicate was collected from monitoring well MW-1 during the May and November 2020 sampling events. There were no significant differences in BTEX constituent concentrations between the primary and duplicate samples.

PLANNED FUTURE ACTIVITIES

Groundwater monitoring events will be conducted on a semi-annual basis. Groundwater samples will be collected from monitoring wells not containing free product and analyzed for BTEX constituents using EPA Method 8260. A field duplicate and trip blank will also be collected during each groundwater sampling event.

Pursuant to the January 5, 2021 letter from EPCGP, EPCGP plans to over-drill and replace monitoring well MW-1 to facilitate future groundwater monitoring at this location. Replacement of MW-1, which was nearly dry during recent sampling events, is to be completed before September 2021. Follow-up

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correspondence will be provided to NMOCD once the date of this work is scheduled.

The activities conducted in 2021 and their results will be summarized in the 2021 Annual Report, to be submitted in early 2022.

TABLES

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Miles Fed 1A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standards:		10	750	750	620
MW-1	11/05/96	1050	1630	391	2620
MW-1	02/07/97	671	809	439	2550
MW-1	05/06/97	300	350	320	1880
MW-1	04/11/01	NS	NS	NS	NS
MW-1	07/03/01	NS	NS	NS	NS
MW-1	09/04/01	NS	NS	NS	NS
MW-1	10/01/01	NS	NS	NS	NS
MW-1	01/02/02	NS	NS	NS	NS
MW-1	04/01/02	NS	NS	NS	NS
MW-1	07/15/02	NS	NS	NS	NS
MW-1	10/08/02	NS	NS	NS	NS
MW-1	01/27/03	NS	NS	NS	NS
MW-1	04/26/03	NS	NS	NS	NS
MW-1	07/17/03	NS	NS	NS	NS
MW-1	01/19/04	NS	NS	NS	NS
MW-1	07/27/04	NS	NS	NS	NS
MW-1	10/20/04	NS	NS	NS	NS
MW-1	01/25/05	NS	NS	NS	NS
MW-1	04/14/05	NS	NS	NS	NS
MW-1	07/19/05	NS	NS	NS	NS
MW-1	10/21/05	NS	NS	NS	NS
MW-1	01/23/06	NS	NS	NS	NS
MW-1	04/28/06	NS	NS	NS	NS
MW-1	07/26/06	NS	NS	NS	NS
MW-1	10/24/06	NS	NS	NS	NS
MW-1	01/17/07	NS	NS	NS	NS
MW-1	04/24/07	NS	NS	NS	NS
MW-1	07/31/07	NS	NS	NS	NS
MW-1	10/25/07	NS	NS	NS	NS
MW-1	01/25/08	NS	NS	NS	NS
MW-1	04/17/08	122	203	369	2550
MW-1	07/23/08	NS	NS	NS	NS
MW-1	10/08/08	NS	NS	NS	NS
MW-1	01/16/09	NS	NS	NS	NS
MW-1	04/06/09	104	199	596	1840
MW-1	08/25/09	NS	NS	NS	NS
MW-1	11/02/09	NS	NS	NS	NS
MW-1	02/16/10	NS	NS	NS	NS
MW-1	06/02/10	186	266	370	2320
MW-1	09/27/10	NS	NS	NS	NS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Miles Fed 1A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-1	11/01/10	NS	NS	NS	NS
MW-1	02/01/11	NS	NS	NS	NS
MW-1	05/09/11	14.6	19.3	86.9	236
MW-1	09/23/11	NS	NS	NS	NS
MW-1	11/02/11	NS	NS	NS	NS
MW-1	02/22/12	NS	NS	NS	NS
MW-1	05/15/12	60.9	79.9	136	602
MW-1	06/05/13	44	78	120	830
MW-1	09/10/13	300	510	250	2200
MW-1	12/11/13	21	37	21	230
MW-1	04/04/14	81	130	120	800
MW-1	10/24/14	73	32	95	1300
MW-1	05/31/15	68	79	95	940
MW-1	11/21/15	160	67	98	1200
MW-1	04/17/16	81	99	68	1100
MW-1	10/15/16	56	72	150	1300
MW-1	06/07/17	9.5	<10	32	95
MW-1	09/17/17	NS	NS	NS	NS
MW-1	11/14/17	42	74	68	570
MW-1	05/15/18	47	120	100	870
DP-01(MW-1)*	05/15/18	54	150	130	1100
MW-1	10/27/18	20	23	57	370
DUP-01(MW-1)*	10/27/18	18	20	44	290
MW-1	05/21/19	72	81	75	1200
DUP-1(MW-1)*	05/21/19	71	68	72	1100
MW-1	11/10/19	3.7	<1.0	25	31
DUP-1(MW-1)*	11/10/19	4.1	1.6	23	53
MW-1	05/11/20	17	5.7	45	180
DUP-01(MW-1)*	05/11/20	9.5	3.2	28	100
MW-1	11/12/20	44	12	<1.0	220
DUP-01(MW-1)*	11/12/20	42	12	<1.0	190
MW-2	10/15/99	<0.5	2.1	5.5	2.8
MW-2	07/03/01	NS	NS	NS	NS
MW-2	09/04/01	NS	NS	NS	NS
MW-2	10/01/01	NS	NS	NS	NS
MW-2	07/15/02	<0.5	0.6	0.9	1.4
MW-2	10/08/02	NS	NS	NS	NS
MW-2	01/27/03	NS	NS	NS	NS
MW-2	04/26/03	NS	NS	NS	NS
MW-2	07/17/03	NS	NS	NS	NS
MW-2	01/19/04	NS	NS	NS	NS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Miles Fed 1A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-2	07/27/04	NS	NS	NS	NS
MW-2	10/20/04	NS	NS	NS	NS
MW-2	01/25/05	NS	NS	NS	NS
MW-2	04/14/05	NS	NS	NS	NS
MW-2	07/19/05	NS	NS	NS	NS
MW-2	10/21/05	NS	NS	NS	NS
MW-2	01/23/06	NS	NS	NS	NS
MW-2	04/28/06	NS	NS	NS	NS
MW-2	07/26/06	NS	NS	NS	NS
MW-2	10/24/06	NS	NS	NS	NS
MW-2	01/17/07	NS	NS	NS	NS
MW-2	04/24/07	NS	NS	NS	NS
MW-2	07/31/07	NS	NS	NS	NS
MW-2	10/25/07	NS	NS	NS	NS
MW-2	01/25/08	NS	NS	NS	NS
MW-2	04/17/08	<2	<2	<2	<6
MW-2	07/23/08	NS	NS	NS	NS
MW-2	10/08/08	NS	NS	NS	NS
MW-2	01/16/09	NS	NS	NS	NS
MW-2	04/06/09	<1	<1	<1	<2
MW-2	08/25/09	NS	NS	NS	NS
MW-2	11/02/09	NS	NS	NS	NS
MW-2	02/16/10	NS	NS	NS	NS
MW-2	06/02/10	<2	<2	<2	<6
MW-2	09/27/10	NS	NS	NS	NS
MW-2	11/01/10	NS	NS	NS	NS
MW-2	02/01/11	NS	NS	NS	NS
MW-2	05/09/11	<1	<1	<1	<3
MW-2	09/23/11	NS	NS	NS	NS
MW-2	11/02/11	NS	NS	NS	NS
MW-2	02/22/12	NS	NS	NS	NS
MW-2	05/15/12	<1	<1	<1	<3
MW-2	06/05/13	<0.14	<0.30	<0.20	<0.23
MW-2	09/10/13	<0.14	<0.30	<0.20	<0.23
MW-2	12/11/13	<2.0	<3.8	<2.0	<6.5
MW-2	04/04/14	<0.20	<0.38	<0.20	<0.65
MW-2	10/24/14	<0.38	<0.70	<0.50	<1.6
MW-2	05/31/15	<1.0	<5.0	<1.0	<5.0
MW-2	11/21/15	<1.0	<1.0	<1.0	<3.0
MW-2	04/17/16	<1.0	<5.0	<1.0	<5.0
MW-2	10/15/16	<1.0	<5.0	<1.0	<5.0

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Miles Fed 1A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-2	06/07/17	<1.0	<5.0	<1.0	<5.0
MW-2	11/14/17	<1.0	<1.0	<1.0	<10
MW-2	05/15/18	<1.0	<1.0	<1.0	<10
MW-2	10/27/18	<1.0	<1.0	<1.0	<10
MW-2	05/21/19	<1.0	<1.0	<1.0	<10
MW-2	11/10/19	<1.0	<1.0	<1.0	<10
MW-2	05/11/20	<1.0	<1.0	<1.0	<10
MW-2	11/12/20	<1.0	<1.0	<1.0	<10
MW-3	10/15/99	<0.5	0.9	<0.5	3.1
MW-3	07/03/01	<0.5	<0.5	<0.5	<0.5
MW-3	09/04/01	NS	NS	NS	NS
MW-3	10/01/01	NS	NS	NS	NS
MW-3	07/15/02	NS	NS	NS	NS
MW-3	10/08/02	NS	NS	NS	NS
MW-3	01/27/03	NS	NS	NS	NS
MW-3	04/26/03	NS	NS	NS	NS
MW-3	07/17/03	NS	NS	NS	NS
MW-3	01/19/04	NS	NS	NS	NS
MW-3	07/27/04	NS	NS	NS	NS
MW-3	10/20/04	NS	NS	NS	NS
MW-3	01/25/05	NS	NS	NS	NS
MW-3	04/14/05	NS	NS	NS	NS
MW-3	07/19/05	NS	NS	NS	NS
MW-3	10/21/05	NS	NS	NS	NS
MW-3	01/23/06	NS	NS	NS	NS
MW-3	04/28/06	NS	NS	NS	NS
MW-3	07/26/06	NS	NS	NS	NS
MW-3	10/24/06	NS	NS	NS	NS
MW-3	01/17/07	NS	NS	NS	NS
MW-3	04/24/07	NS	NS	NS	NS
MW-3	07/31/07	NS	NS	NS	NS
MW-3	10/25/07	NS	NS	NS	NS
MW-3	01/25/08	NS	NS	NS	NS
MW-3	04/17/08	<2	<2	<2	<6
MW-3	07/23/08	NS	NS	NS	NS
MW-3	10/08/08	NS	NS	NS	NS
MW-3	01/16/09	NS	NS	NS	NS
MW-3	04/06/09	<1	<1	<1	<2
MW-3	08/25/09	NS	NS	NS	NS
MW-3	11/02/09	NS	NS	NS	NS
MW-3	02/16/10	NS	NS	NS	NS

TABLE 1 - GROUNDWATER ANALYTICAL RESULTS

Miles Fed 1A					
Location	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
MW-3	06/02/10	<2	<2	<2	<6
MW-3	09/27/10	NS	NS	NS	NS
MW-3	11/01/10	NS	NS	NS	NS
MW-3	02/01/11	NS	NS	NS	NS
MW-3	05/09/11	NS	NS	NS	NS
MW-3	09/23/11	NS	NS	NS	NS
MW-3	11/02/11	NS	NS	NS	NS
MW-3	02/22/12	NS	NS	NS	NS
MW-3	05/15/12	NS	NS	NS	NS
MW-3	06/05/13	<0.14	<0.30	<0.20	<0.23
MW-3	09/10/13	<0.14	<0.30	<0.20	<0.23
MW-3	12/11/13	<0.20	<0.38	<0.20	<0.65
MW-3	04/04/14	<0.20	<0.38	<0.20	<0.65
MW-3	10/24/14	<0.38	<0.70	<0.50	<1.6
MW-3	05/31/15	<1.0	<5.0	<1.0	<5.0
MW-3	11/21/15	<1.0	<1.0	<1.0	<3.0
MW-3	04/17/16	<1.0	<5.0	<1.0	<5.0
MW-3	10/15/16	<1.0	<5.0	<1.0	<5.0
MW-3	06/07/17	<1.0	<5.0	<1.0	<5.0
MW-3	11/14/17	<1.0	<1.0	<1.0	<10
MW-3	05/15/18	<1.0	<1.0	<1.0	<10
MW-3	10/27/18	<1.0	<1.0	<1.0	<10
MW-3	05/21/19	<1.0	<1.0	<1.0	<10
MW-3	05/11/20	<1.0	<1.0	<1.0	<10
MW-3	11/12/20	<1.0	<1.0	<1.0	<10

Notes:
The monitoring dates where no groundwater samples were collected and analyzed have been omitted.
"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 in 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

Miles Fed 1A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/05/96	6049.42	30.10	30.58	0.48	6019.20
MW-1	02/07/97	6049.42	29.91	30.05	0.14	6019.47
MW-1	05/06/97	6049.42	30.04	30.18	0.14	6019.34
MW-1	04/11/01	6049.42	30.61	31.81	1.20	6018.51
MW-1	07/03/01	6049.42	31.18	32.76	1.58	6017.84
MW-1	09/04/01	6049.42	30.68	31.80	1.12	6018.46
MW-1	10/01/01	6049.42	31.16	31.41	0.25	6018.19
MW-1	01/02/02	6049.42	31.20	32.17	0.97	6017.97
MW-1	04/01/02	6049.42	31.09	31.45	0.36	6018.24
MW-1	07/15/02	6049.42	31.43	32.35	0.92	6017.76
MW-1	10/08/02	6049.42	31.33	31.73	0.40	6017.99
MW-1	01/27/03	6049.42	31.21	31.59	0.38	6018.11
MW-1	04/26/03	6049.42	31.16	31.30	0.14	6018.22
MW-1	07/17/03	6049.42	31.73	32.31	0.58	6017.54
MW-1	01/19/04	6049.42	31.32	31.49	0.17	6018.05
MW-1	07/27/04	6049.42	31.89	32.47	0.58	6017.38
MW-1	10/20/04	6049.42	31.95	32.24	0.29	6017.39
MW-1	01/25/05	6049.42	31.75	31.91	0.16	6017.63
MW-1	04/14/05	6049.42	ND	31.52		6017.90
MW-1	07/19/05	6049.42	32.32	32.43	0.11	6017.07
MW-1	10/21/05	6049.42	ND	32.02		6017.40
MW-1	01/23/06	6049.42	31.92	31.93	0.01	6017.49
MW-1	04/28/06	6049.42	ND	31.85		6017.57
MW-1	07/26/06	6049.42	ND	31.94		6017.48
MW-1	10/24/06	6049.42	ND	30.71		6018.71
MW-1	01/17/07	6049.42	ND	30.99		6018.43
MW-1	04/24/07	6049.42	ND	30.95		6018.47
MW-1	07/31/07	6049.42	ND	31.32		6018.10
MW-1	10/25/07	6049.42	ND	31.40		6018.02
MW-1	01/25/08	6049.42	ND	31.12		6018.30
MW-1	04/17/08	6049.42	ND	31.04		6018.38
MW-1	07/23/08	6049.42	ND	31.23		6018.19
MW-1	10/08/08	6049.42	ND	31.77		6017.65
MW-1	01/16/09	6049.42	31.66	31.74	0.08	6017.74
MW-1	04/06/09	6049.42	ND	31.82		6017.60
MW-1	08/25/09	6049.42	ND	32.30		6017.12
MW-1	11/02/09	6049.42	ND	32.20		6017.22
MW-1	02/16/10	6049.42	ND	31.74		6017.68
MW-1	06/02/10	6049.42	31.50	31.53	0.03	6017.91
MW-1	09/27/10	6049.42	ND	31.89		6017.53

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Miles Fed 1A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-1	11/01/10	6049.42	ND	31.76		6017.66
MW-1	02/01/11	6049.42	ND	31.63		6017.79
MW-1	05/09/11	6049.42	ND	31.60		6017.82
MW-1	09/23/11	6049.42	ND	32.40		6017.02
MW-1	11/02/11	6049.42	ND	32.27		6017.15
MW-1	02/22/12	6049.42	ND	31.99		6017.43
MW-1	05/15/12	6049.42	ND	32.08		6017.34
MW-1	06/05/13	6049.42	ND	31.80		6017.62
MW-1	09/10/13	6049.42	ND	31.30		6018.12
MW-1	12/11/13	6049.42	ND	31.16		6018.26
MW-1	04/04/14	6049.42	ND	31.22		6018.20
MW-1	10/24/14	6049.42	ND	31.50		6017.92
MW-1	05/31/15	6049.42	ND	31.36		6018.06
MW-1	11/21/15	6049.42	ND	31.01		6018.41
MW-1	04/17/16	6049.42	ND	30.23		6019.19
MW-1	10/15/16	6049.42	ND	31.11		6018.31
MW-1	06/07/17	6049.42	ND	30.70		6018.72
MW-1	09/17/17	6049.42	ND	31.35		6018.07
MW-1	11/14/17	6049.42	ND	30.82		6018.60
MW-1	05/15/18	6049.42	ND	31.23		6018.19
MW-1	10/27/18	6049.42	ND	31.40		6018.02
MW-1	05/21/19	6049.42	ND	30.58		6018.84
MW-1	11/10/19	6049.42	ND	31.91		6017.51
MW-1	05/11/20	6049.42	ND	31.61		6017.81
MW-1	11/12/20	6049.42	ND	32.33		6017.09
MW-2	10/15/99	6049.22	NR	27.97		6021.25
MW-2	07/03/01	6049.22	NR	32.51		6016.71
MW-2	09/04/01	6049.22	NR	28.30		6020.92
MW-2	10/01/01	6049.22	NR	28.61		6020.61
MW-2	07/15/02	6049.22	NR	31.46		6017.76
MW-2	10/08/02	6049.22	NR	30.77		6018.45
MW-2	01/27/03	6049.22	ND	30.64		6018.58
MW-2	04/26/03	6049.22	ND	31.51		6017.71
MW-2	07/17/03	6049.22	ND	31.23		6017.99
MW-2	01/19/04	6049.22	ND	31.14		6018.08
MW-2	07/27/04	6049.22	ND	31.37		6017.85
MW-2	10/20/04	6049.22	ND	31.33		6017.89
MW-2	01/25/05	6049.22	ND	31.56		6017.66
MW-2	04/14/05	6049.22	ND	31.33		6017.89
MW-2	07/19/05	6049.22	ND	31.97		6017.25

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Miles Fed 1A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	10/21/05	6049.22	ND	31.09		6018.13
MW-2	01/23/06	6049.22	ND	31.19		6018.03
MW-2	04/28/06	6049.22	ND	31.21		6018.01
MW-2	07/26/06	6049.22	ND	31.24		6017.98
MW-2	10/24/06	6049.22	ND	30.55		6018.67
MW-2	01/17/07	6049.22	ND	30.29		6018.93
MW-2	04/24/07	6049.22	ND	30.75		6018.47
MW-2	07/31/07	6049.22	ND	30.56		6018.66
MW-2	10/25/07	6049.22	ND	30.71		6018.51
MW-2	01/25/08	6049.22	ND	30.41		6018.81
MW-2	04/17/08	6049.22	ND	30.36		6018.86
MW-2	07/23/08	6049.22	ND	31.14		6018.08
MW-2	10/08/08	6049.22	ND	31.57		6017.65
MW-2	01/16/09	6049.22	ND	30.98		6018.24
MW-2	04/06/09	6049.22	ND	31.40		6017.82
MW-2	08/25/09	6049.22	ND	31.85		6017.37
MW-2	11/02/09	6049.22	ND	31.93		6017.29
MW-2	02/16/10	6049.22	ND	31.43		6017.79
MW-2	06/02/10	6049.22	ND	31.33		6017.89
MW-2	09/27/10	6049.22	ND	31.63		6017.59
MW-2	11/01/10	6049.22	ND	31.57		6017.65
MW-2	02/01/11	6049.22	ND	31.39		6017.83
MW-2	05/09/11	6049.22	ND	31.40		6017.82
MW-2	09/23/11	6049.22	ND	32.05		6017.17
MW-2	11/02/11	6049.22	ND	32.01		6017.21
MW-2	02/22/12	6049.22	ND	31.76		6017.46
MW-2	05/15/12	6049.22	ND	31.87		6017.35
MW-2	06/05/13	6049.22	ND	31.56		6017.66
MW-2	09/10/13	6049.22	ND	31.13		6018.09
MW-2	12/11/13	6049.22	ND	30.95		6018.27
MW-2	04/04/14	6049.22	ND	31.02		6018.20
MW-2	10/24/14	6049.22	ND	31.32		6017.90
MW-2	05/31/15	6049.22	ND	31.37		6017.85
MW-2	11/21/15	6049.22	ND	30.80		6018.42
MW-2	04/17/16	6049.22	ND	30.75		6018.47
MW-2	10/15/16	6049.22	ND	30.89		6018.33
MW-2	06/07/17	6049.22	ND	30.48		6018.74
MW-2	11/14/17	6049.22	ND	30.61		6018.61
MW-2	05/15/18	6049.22	ND	31.03		6018.19
MW-2	10/27/18	6049.22	ND	31.19		6018.03

TABLE 2 - GROUNDWATER ELEVATION RESULTS

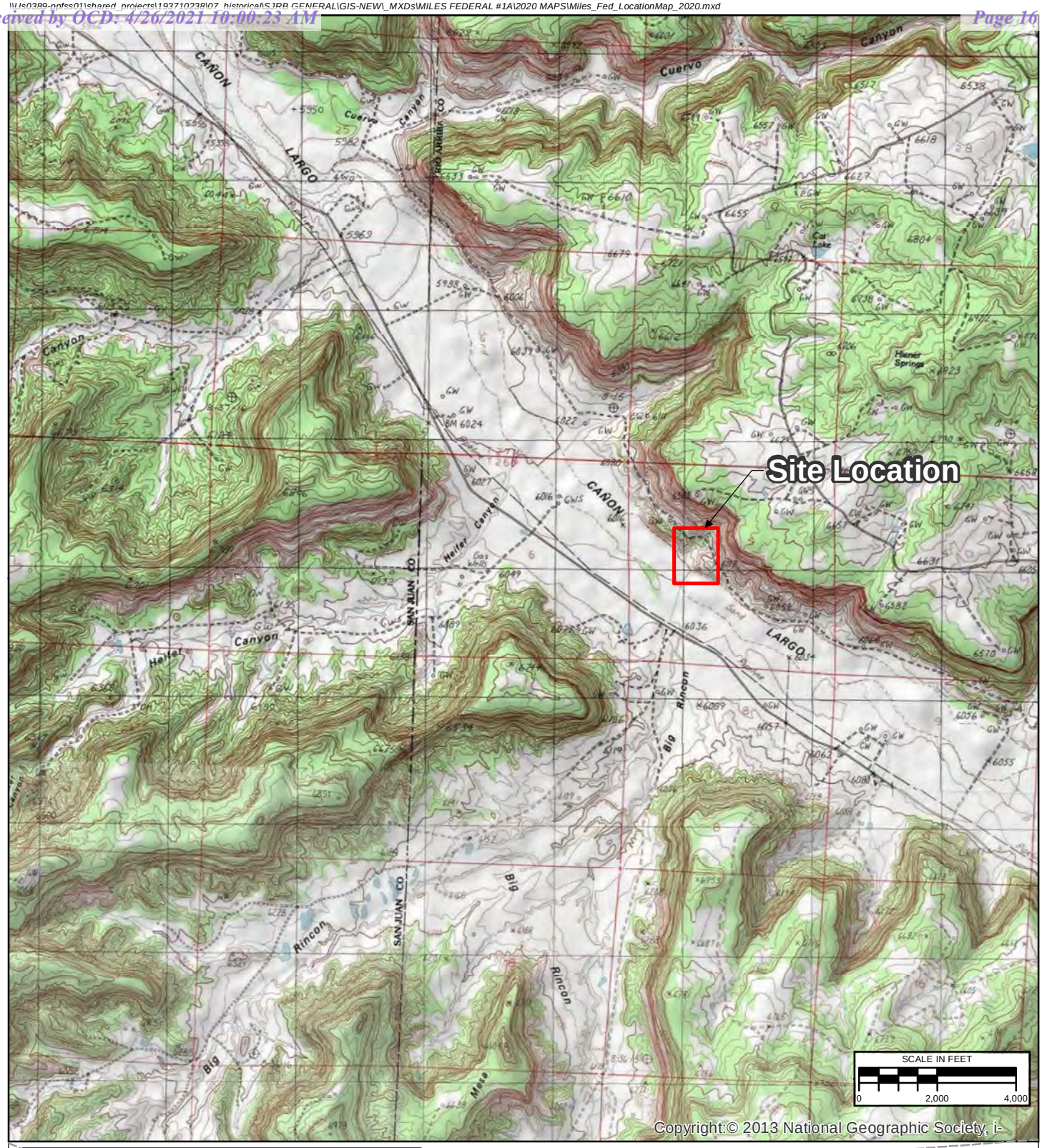
Miles Fed 1A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-2	05/21/19	6049.22	ND	30.45		6018.77
MW-2	11/10/19	6049.22	ND	31.65		6017.57
MW-2	05/11/20	6049.22	ND	31.39		6017.83
MW-2	11/12/20	6049.22	ND	32.09		6017.13
MW-3	10/15/99	6049.32	NR	27.92		6021.40
MW-3	07/03/01	6049.32	NR	28.97		6020.35
MW-3	09/04/01	6049.32	NR	28.40		6020.92
MW-3	10/01/01	6049.32	NR	28.63		6020.69
MW-3	07/15/02	6049.32	NR	31.46		6017.86
MW-3	10/08/02	6049.32	NR	31.22		6018.10
MW-3	01/27/03	6049.32	ND	31.11		6018.21
MW-3	04/26/03	6049.32	ND	30.99		6018.33
MW-3	07/17/03	6049.32	ND	31.62		6017.70
MW-3	01/19/04	6049.32	ND	30.66		6018.66
MW-3	07/27/04	6049.32	ND	31.30		6018.02
MW-3	10/20/04	6049.32	ND	31.32		6018.00
MW-3	01/25/05	6049.32	ND	31.08		6018.24
MW-3	04/14/05	6049.32	ND	30.87		6018.45
MW-3	07/19/05	6049.32	ND	31.56		6017.76
MW-3	10/21/05	6049.32	ND	31.66		6017.66
MW-3	01/23/06	6049.32	ND	31.61		6017.71
MW-3	04/28/06	6049.32	ND	31.62		6017.70
MW-3	07/26/06	6049.32	ND	31.72		6017.60
MW-3	10/24/06	6049.32	ND	30.03		6019.29
MW-3	01/17/07	6049.32	ND	30.81		6018.51
MW-3	04/24/07	6049.32	ND	30.28		6019.04
MW-3	07/31/07	6049.32	ND	31.12		6018.20
MW-3	10/25/07	6049.32	ND	31.19		6018.13
MW-3	01/25/08	6049.32	ND	20.93		6028.39
MW-3	04/17/08	6049.32	ND	30.36		6018.96
MW-3	07/23/08	6049.32	ND	30.58		6018.74
MW-3	10/08/08	6049.32	ND	31.15		6018.17
MW-3	01/16/09	6049.32	ND	31.47		6017.85
MW-3	04/06/09	6049.32	ND	30.93		6018.39
MW-3	08/25/09	6049.32	ND	31.60		6017.72
MW-3	11/02/09	6049.32	ND	31.47		6017.85
MW-3	02/16/10	6049.32	ND	30.89		6018.43
MW-3	06/02/10	6049.32	ND	30.88		6018.44
MW-3	09/27/10	6049.32	ND	31.20		6018.12
MW-3	11/01/10	6049.32	ND	30.96		6018.36

TABLE 2 - GROUNDWATER ELEVATION RESULTS

Miles Fed 1A						
Location	Date	TOC	Depth to LNAPL (ft.)	Depth to Water (ft.)	LNAPL Thickness (ft.)	GW Elevation (ft.)
MW-3	02/01/11	6049.32	ND	30.91		6018.41
MW-3	05/09/11	6049.32	ND	30.95		6018.37
MW-3	09/23/11	6049.32	ND	31.55		6017.77
MW-3	11/02/11	6049.32	ND	31.52		6017.80
MW-3	02/22/12	6049.32	ND	31.37		6017.95
MW-3	05/15/12	6049.32	ND	31.45		6017.87
MW-3	06/05/13	6049.32	ND	31.15		6018.17
MW-3	09/10/13	6049.32	ND	30.58		6018.74
MW-3	12/11/13	6049.32	ND	30.43		6018.89
MW-3	04/04/14	6049.32	ND	30.51		6018.81
MW-3	10/24/14	6049.32	ND	30.82		6018.50
MW-3	05/31/15	6049.32	ND	30.66		6018.66
MW-3	11/21/15	6049.32	ND	30.29		6019.03
MW-3	04/17/16	6049.32	ND	30.23		6019.09
MW-3	10/15/16	6049.32	ND	30.42		6018.90
MW-3	06/07/17	6049.32	ND	30.01		6019.31
MW-3	11/14/17	6049.32	ND	30.10		6019.22
MW-3	05/15/18	6049.32	ND	30.57		6018.75
MW-3	10/27/18	6049.32	ND	30.72		6018.60
MW-3	05/21/19	6049.32	ND	29.96		6019.36
MW-3	05/11/20	6049.32	ND	30.90		6018.42
MW-3	11/12/20	6049.32	ND	31.67		6017.65

Notes:
"ft" = feet
"TOC" = Top of casing
"LNAPL" = Light non-aqueous phase liquid
"ND" = LNAPL not detected
"NR" = 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



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/17/2021	SAH	SAH	SRV

TITLE
SITE LOCATION

Stantec

PROJECT
MILES FED #1A
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

FIGURE
1

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\MILES FEDERAL #1A\2019 MAPS\Miles_Fed_SITEMAP_2019.mxd

LEGEND:

- 6050 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS — NATURAL GAS LINE
- FENCE
- GAS VALVE
- MONITORING WELL
- SOIL BORING
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD
- PROPOSED RIGHT OF WAY BOUNDARY

N

SCALE IN FEET

0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/23/2021	SLG	SLG	SRV

TITLE:

SITE PLAN

PROJECT:

MILES FED #1A
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: 2

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\MILES FEDERAL #1A\2020 MAPS\Miles_Fed_GARM_1SA_2020.mxd

LEGEND:

- 6050 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS — NATURAL GAS LINE
- FENCE
- GAS VALVE
- MONITORING WELL
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD

NOTES:
DUP = FIELD DUPLICATE SAMPLE

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:
RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
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

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/23/2021	SAH	SAH	SRV

TITLE:
GROUNDWATER ANALYTICAL RESULTS
MAY 11, 2020

PROJECT:
MILES FED #1A
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: **3**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\MILES FEDERAL #1A\2020 MAPS\Miles_Fed_GECM_1SA_2020.mxd

FORMER EPC PIT
EXCAVATED TO 12 FEET

SMA BENCHMARK
ELEV. 6046.42'
NAD 83 NAVD 88
STATE PLANE COORDINATE SYSTEM
NEW MEXICO CENTRAL

MW-1
6017.81

MW-2
6017.83

MW-3
6018.42

6017.9

6018.4

6018.8

6045

6050

WELLHEAD

SEPARATOR

(2) ELECTRIC BOX

METER
HOUSE

CAÑON LARGO

AERIAL IMAGERY FROM GOOGLE EARTH, DATED 10/5/2016

LEGEND:

- 6050 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS — NATURAL GAS LINE
- FENCE
- GAS VALVE
- MONITORING WELL
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD

NOTES:

6019.03 — GROUNDWATER ELEVATION FEET ABOVE MEAN SEA LEVEL

6018.8 — WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 0.2 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

NO LNAPL DETECTED

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/23/2021	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
MAY 11, 2020

PROJECT:

MILES FED #1A
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: 4

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\MILES FEDERAL #1A\2020 MAPS\Miles_Fed_GARM_2SA_2020.mxd

LEGEND:

- 6050 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- GAS — NATURAL GAS LINE
- FENCE
- GAS VALVE
- MONITORING WELL
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD

NOTES:
DUP = FIELD DUPLICATE SAMPLE

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:
RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
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

N

SCALE IN FEET
0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/23/2021	SAH	SAH	SRV

TITLE:
GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 12, 2020

PROJECT:
MILES FED #1A
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: **5**

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\MILES FEDERAL #1A\2020 MAPS\Miles_Fed_GECM_2SA_2020.mxd

LEGEND:

- 6050 — APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- ACCESS ROAD
- G A S — NATURAL GAS LINE
- FENCE
- GAS VALVE
- MONITORING WELL
- RIG ANCHOR
- SMA BENCHMARK
- WELLHEAD

NOTES:

6017.65 GROUNDWATER ELEVATION FEET ABOVE MEAN SEA LEVEL

6017.6 WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL, 0.2 FOOT CONTOUR INTERVAL)

DIRECTION OF APPARENT GROUNDWATER FLOW

NO LNAPL DETECTED

N

SCALE IN FEET

0 40 80

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/23/2021	SAH	SAH	SRV

TITLE:

GROUNDWATER ELEVATION MAP
NOVEMBER 12, 2020

PROJECT:

MILES FED #1A
SAN JUAN RIVER BASIN
RIO ARRIBA COUNTY, NEW MEXICO

Stantec

Figure No.: 6

APPENDICES

APPENDIX A – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX B – WASTEWATER DISPOSAL DOCUMENTATION

APPENDIX C – MAY 11, 2020 GROUNDWATER SAMPLING ANALYTICAL REPORT

NOVEMBER 12, 2020 GROUNDWATER SAMPLING ANALYTICAL REPORT

APPENDIX A

From: Varsa, Steve
To: Smith, Cory, EMNRD
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Bcc: Varsa, Steve
Subject: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Tuesday, May 05, 2020 9:45:00 PM

Hi Cory -

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	NMOCD Case #	Sample Date
Canada Mesa #2	3RP-155-0	05/11/2020
Fields A#7A	3RP-170-0	05/13/2020
Fogelson 4-1	3RP-068-0	05/15/2020
Gallegos Canyon Unit #124E	3RP-407-0	05/16/2020
GCU Com A #142E	3RP-179-0	05/15/2020
James F. Bell #1E	3RP-196-0	05/16/2020
Johnston Fed #4	3RP-201-0	05/17/2020
Johnston Fed #6A	3RP-202-0	05/17/2020
K27 LDO72	3RP-204-0	05/12/2020
Knight #1	3RP-207-0	05/14/2020
Lateral L 40 Line Drip	3RP-212-0	05/14/2020
Miles Fed #1A	3RP-223-0	05/11/2020
Sandoval GC A #1A	3RP-235-0	05/15/2020
Standard Oil Com #1	3RP-238-0	05/12/2020
State Gas Com N #1	3RP-239-0	05/13/2020

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.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Smith, Cory, EMNRD
To: Varsa, Steve
Cc: Griswold, Jim, EMNRD; Wiley, Joe
Subject: RE: El Paso CGP Company - Notice of upcoming groundwater sampling activities
Date: Thursday, November 05, 2020 8:56:01 AM

Steve,

Thank you for the notification.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Varsa, Steve <steve.varsa@stantec.com>
Sent: Thursday, November 5, 2020 6:02 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Wiley, Joe <joe_wiley@kindermorgan.com>
Subject: [EXT] El Paso CGP Company - Notice of upcoming groundwater sampling activities

Hi Cory -

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	NMOCD Case #	Sample Date
Canada Mesa #2	3RP-155-0	11/12/2020
Fields A#7A	3RP-170-0	11/14/2020
Fogelson 4-1	3RP-068-0	11/14/2020
Gallegos Canyon Unit #124E	3RP-407-0	11/11/2020
GCU Com A #142E	3RP-179-0	11/11/2020
James F. Bell #1E	3RP-196-0	11/15/2020
Johnston Fed #4	3RP-201-0	11/13/2020
Johnston Fed #6A	3RP-202-0	11/13/2020
K27 LDO72	3RP-204-0	11/12/2020
Knight #1	3RP-207-0	11/11/2020
Lateral L 40 Line Drip	3RP-212-0	11/15/2020
Miles Fed #1A	3RP-223-0	11/12/2020
Sandoval GC A #1A	3RP-235-0	11/13/2020
Standard Oil Com #1	3RP-238-0	11/12/2020
State Gas Com N #1	3RP-239-0	11/14/2020

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.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

APPENDIX B

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-1013
OPEN 24 Hours per Day

NO. 732583
NMOCD PERMIT: NM-001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 5.13.20

DEL. TKT#.

GENERATOR: El Paso CGP

BILL TO: El Paso CGP

HAULING CO: Stanteo

DRIVER:
(Print Full Name)

ORDERED BY: Joe W.

CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste ☒ Produced Water ☐ Drilling/Completion Fluids

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Fields #7A / State Gas Com M1						
2		Canada Mesa #2 K27LD172						
3		Miles Fed # 1A Standard Oil Com	1	.70			70¢	
4								
5								

I, [signature] representitive or authorized agent for the above generator and hauler hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination that the above described waste is RCRA Exempt Oil field wastes.

☒ Approved ☐ Denied ATTENDANT SIGNATURE [signature]

SAN JUAN PRINTING 0818018B

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-3013
OPEN 24 Hours per Day

NO. 800456
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 11-13-20
DEL. TKT#.
GENERATOR: CGP
BILL TO: CGP
HAULING CO. CGP
DRIVER: Sean
(Print Full Name)
ORDERED BY: Joe & W.
CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste ☑ Produced Water ☐ Drilling/Completion Fluids

STATE: ☑ NM ☐ CO ☐ AZ ☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Canada mesa #2	10	70			70	
2		k-27 LD92 miles federal #1	14					'20 NOV 13 6:19PM
3		Standard oil com #1						
4		Knight #1, Gallegos Canyon Unit #124E						
5		GCU Com A #172E						

I, Sean Clary, representative or authorized agent for Enlink, do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non -exempt waste.

☑ Approved ☐ Denied ATTENDANT SIGNATURE

SAN JUAN PRINTING 2020 1973-1

APPENDIX C

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-187962-1
Client Project/Site: ElPaso CGP Company - Miles Fed 1A

For:
Stantec Consulting Services Inc
1560 Broadway
Suite 1800
Denver, Colorado 80202

Attn: Ms. Sarah Gardner

Authorized for release by:
5/27/2020 10:22:07 PM

Marty Edwards, Client Service Manager
(850)471-6227
marty.edwards@testamericainc.com

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Laboratory Job ID: 400-187962-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-187962-1

Job ID: 400-187962-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-187962-1

Comments
No additional comments.

Receipt
The samples were received on 5/13/2020 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.3º C.

GC/MS VOA
Method 8260C: Surrogate recovery for the following sample was outside control limits: MW-1 (400-187962-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8260C: The following samples are suspected duplicates, however the results do not match: MW-1 (400-187962-1) and DUP-01 (400-187962-4). Reanalysis was performed with concurring results.

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
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: MW-1 — Lab Sample ID: 400-187962-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	17		1.0		ug/L	1		8260C	Total/NA
Toluene	5.7		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	45		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	180		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 400-187962-2

No Detections.

Client Sample ID: MW-3 — Lab Sample ID: 400-187962-3

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-187962-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	9.5		1.0		ug/L	1		8260C	Total/NA
Toluene	3.2		1.0		ug/L	1		8260C	Total/NA
Ethylbenzene	28		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	100		10		ug/L	1		8260C	Total/NA

Client Sample ID: TB-01 — Lab Sample ID: 400-187962-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: Stantec Consulting Services Inc
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-187962-1	MW-1	Water	05/11/20 13:50	05/13/20 08:40	
400-187962-2	MW-2	Water	05/11/20 14:05	05/13/20 08:40	
400-187962-3	MW-3	Water	05/11/20 14:20	05/13/20 08:40	
400-187962-4	DUP-01	Water	05/11/20 01:00	05/13/20 08:40	
400-187962-5	TB-01	Water	05/11/20 07:00	05/13/20 08:40	

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: MW-1
Lab Sample ID: 400-187962-1

Date Collected: 05/11/20 13:50
Matrix: Water

Date Received: 05/13/20 08:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	17		1.0		ug/L			05/15/20 09:44	1
Toluene	5.7		1.0		ug/L			05/15/20 09:44	1
Ethylbenzene	45		1.0		ug/L			05/15/20 09:44	1
Xylenes, Total	180		10		ug/L			05/15/20 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*05/15/20 09:44*	*1*
Dibromofluoromethane	*103*		*81 - 121*		*05/15/20 09:44*	*1*
Toluene-d8 (Surr)	*122*	*X*	*80 - 120*		*05/15/20 09:44*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: MW-2
Lab Sample ID: 400-187962-2
Date Collected: 05/11/20 14:05
Matrix: Water
Date Received: 05/13/20 08:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/15/20 13:36	1
Toluene	<1.0		1.0		ug/L			05/15/20 13:36	1
Ethylbenzene	<1.0		1.0		ug/L			05/15/20 13:36	1
Xylenes, Total	<10		10		ug/L			05/15/20 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/15/20 13:36*	*1*
Dibromofluoromethane	*101*		*81 - 121*		*05/15/20 13:36*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/15/20 13:36*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: MW-3
Lab Sample ID: 400-187962-3
Date Collected: 05/11/20 14:20
Matrix: Water
Date Received: 05/13/20 08:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/15/20 14:01	1
Toluene	<1.0		1.0		ug/L			05/15/20 14:01	1
Ethylbenzene	<1.0		1.0		ug/L			05/15/20 14:01	1
Xylenes, Total	<10		10		ug/L			05/15/20 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/15/20 14:01*	*1*
Dibromofluoromethane	*99*		*81 - 121*		*05/15/20 14:01*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/15/20 14:01*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-187962-1

Client Sample ID: DUP-01
Date Collected: 05/11/20 01:00
Date Received: 05/13/20 08:40

Lab Sample ID: 400-187962-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.5		1.0		ug/L			05/15/20 10:10	1
Toluene	3.2		1.0		ug/L			05/15/20 10:10	1
Ethylbenzene	28		1.0		ug/L			05/15/20 10:10	1
Xylenes, Total	100		10		ug/L			05/15/20 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*78 - 118*		*05/15/20 10:10*	*1*
Dibromofluoromethane	*104*		*81 - 121*		*05/15/20 10:10*	*1*
Toluene-d8 (Surr)	*114*		*80 - 120*		*05/15/20 10:10*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: TB-01
Lab Sample ID: 400-187962-5
Date Collected: 05/11/20 07:00
Matrix: Water
Date Received: 05/13/20 08:40

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/15/20 13:09	1
Toluene	<1.0		1.0		ug/L			05/15/20 13:09	1
Ethylbenzene	<1.0		1.0		ug/L			05/15/20 13:09	1
Xylenes, Total	<10		10		ug/L			05/15/20 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*78 - 118*		*05/15/20 13:09*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*05/15/20 13:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/15/20 13:09*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

GC/MS VOA

Analysis Batch: 489263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-187962-1	MW-1	Total/NA	Water	8260C	
400-187962-2	MW-2	Total/NA	Water	8260C	
400-187962-3	MW-3	Total/NA	Water	8260C	
400-187962-4	DUP-01	Total/NA	Water	8260C	
400-187962-5	TB-01	Total/NA	Water	8260C	
MB 400-489263/4	Method Blank	Total/NA	Water	8260C	
LCS 400-489263/1002	Lab Control Sample	Total/NA	Water	8260C	
400-187962-2 MS	MW-2	Total/NA	Water	8260C	
400-187962-2 MSD	MW-2	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

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

Lab Sample ID: MB 400-489263/4
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 489263

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			05/15/20 09:17	1
Toluene	<1.0		1.0		ug/L			05/15/20 09:17	1
Ethylbenzene	<1.0		1.0		ug/L			05/15/20 09:17	1
Xylenes, Total	<10		10		ug/L			05/15/20 09:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*05/15/20 09:17*	*1*
Dibromofluoromethane	*100*		*81 - 121*		*05/15/20 09:17*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/15/20 09:17*	*1*

Lab Sample ID: LCS 400-489263/1002
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 489263

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	49.2		ug/L		98	70 - 130		
Toluene			50.0	47.5		ug/L		95	70 - 130		
Ethylbenzene			50.0	49.8		ug/L		100	70 - 130		
Xylenes, Total			100	101		ug/L		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*78 - 118*
Dibromofluoromethane	*104*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 400-187962-2 MS
Client Sample ID: MW-2
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 489263

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<1.0		50.0	47.2		ug/L		94	56 - 142		
Toluene	<1.0		50.0	44.2		ug/L		88	65 - 130		
Ethylbenzene	<1.0		50.0	44.2		ug/L		88	58 - 131		
Xylenes, Total	<10		100	89.3		ug/L		89	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*78 - 118*
Dibromofluoromethane	*100*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 400-187962-2 MSD
Client Sample ID: MW-2
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 489263

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	46.0		ug/L		92	56 - 142	3	30
Toluene	<1.0		50.0	44.2		ug/L		88	65 - 130	0	30
Ethylbenzene	<1.0		50.0	46.1		ug/L		92	58 - 131	4	30

QC Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

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

Lab Sample ID: 400-187962-2 MSD
Client Sample ID: MW-2
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 489263

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	<10		100	93.1		ug/L		93	59 - 130	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*78 - 118*
Dibromofluoromethane	*101*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-187962-1

Client Sample ID: MW-1
Date Collected: 05/11/20 13:50
Date Received: 05/13/20 08:40

Lab Sample ID: 400-187962-1
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	8260C		1	5 mL	5 mL	489263	05/15/20 09:44	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-2
Date Collected: 05/11/20 14:05
Date Received: 05/13/20 08:40

Lab Sample ID: 400-187962-2
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	8260C		1	5 mL	5 mL	489263	05/15/20 13:36	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-3
Date Collected: 05/11/20 14:20
Date Received: 05/13/20 08:40

Lab Sample ID: 400-187962-3
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	8260C		1	5 mL	5 mL	489263	05/15/20 14:01	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: DUP-01
Date Collected: 05/11/20 01:00
Date Received: 05/13/20 08:40

Lab Sample ID: 400-187962-4
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	8260C		1	5 mL	5 mL	489263	05/15/20 10:10	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: TB-01
Date Collected: 05/11/20 07:00
Date Received: 05/13/20 08:40

Lab Sample ID: 400-187962-5
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	8260C		1	5 mL	5 mL	489263	05/15/20 13:09	WPD	TAL PEN
	Instrument ID: CH_TAN									

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Laboratory: Eurofins TestAmerica, 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	07-01-20
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-13-21
Arkansas DEQ	State	88-0689	09-01-20
California	State	2510	07-01-20
Florida	NELAP	E81010	06-30-20
Georgia	State	E81010(FL)	06-30-20
Illinois	NELAP	004586	10-09-20
Iowa	State	367	08-01-20
Kansas	NELAP	E-10253	08-16-20
Kentucky (UST)	State	53	06-30-20
Kentucky (WW)	State	KY98030	12-31-20
Louisiana	NELAP	30976	06-30-20
Louisiana (DW)	State	LA017	12-31-20
Maryland	State	233	09-30-20
Massachusetts	State	M-FL094	06-30-20
Michigan	State	9912	06-30-20
Minnesota	NELAP	012-999-481	12-31-20
New Jersey	NELAP	FL006	06-30-20
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-20
Oklahoma	State	9810-186	08-31-20
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-20
South Carolina	State	96026002	06-30-20
Tennessee	State	TN02907	06-30-20
Texas	NELAP	T104704286	09-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-20
Washington	State	C915	05-15-20
West Virginia DEP	State	136	06-30-20

Method Summary

Client: Stantec Consulting Services Inc
Job ID: 400-187962-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

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

Protocol References:

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

Laboratory References:

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

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-94237-34177.1
Client Contact: Steve Varsa	Phone: 515-253-0830	E-Mail: marty.edwards@testamericainc.com		Page: Page 1 of 1
Company: Stantec Consulting Services Inc				Job #:

Address: 11153 Aurora Avenue	Due Date Requested:
City: Des Moines	TAT Requested (days): Standard TAT
State, Zip: IA, 50322-7904	
Phone: 303-291-2239(Tel)	PO #: See Project Notes
Email: steve.varsa@stantec.com	WO #:
Project Name: Miles Fed 1A.00	Project #: 40005479
Site:	SSOW#:

Analysis Requested

400-187962 COC

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

CW-ERH-STN-04-10-20 - SAH-12 Miles Fed 1A

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) BTEX 8260	8260C - (MOD) BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-1	5/11/2020	1350	G	Water	N	N	0	3		
MW-2	5/11/2020	1405	G	Water	N	N	3	0		
MW-3	5/11/2020	1420	G	Water	N	N	3	0		
DUP-01	5/11/2020	0100	G	Water	N	N	0	3		Blind Dup
TB-01	5/11/2020	0700	G	Water	N	N	2	0		Trip Blank

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☒ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date: ~~5/12/2020~~ SRC	Time: ~~0700~~ SRC	Method of Shipment: Fed Ex			
Relinquished by: Sean N Clay	Date/Time: 5/12/2020 0700	Company: STANTEC	Received by: Megan Hutchison	Date/Time: 5-13-2020 8:00	Company: TRPGW
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.3°C IR1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-187962-1

Login Number: 187962 **List Source: Eurofins TestAmerica, Pensacola**

List Number: 1

Creator: Hinrichsen, Megan E

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	0.3°C IR-9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-195884-1
Client Project/Site: ElPaso CGP Company - Miles Fed 1A

For:
Stantec Consulting Services Inc
11153 Aurora Avenue
Des Moines, Iowa 50322-7904

Attn: Steve Varsa

Marty Edwards

Authorized for release by:
11/30/2020 12:34:15 PM

Marty Edwards, Client Service Manager
(850)471-6227
Marty.Edwards@Eurofinset.com

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Laboratory Job ID: 400-195884-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 400-195884-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

Glossary

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

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-195884-1

Job ID: 400-195884-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-195884-1

Comments
No additional comments.

Receipt
The samples were received on 11/14/2020 8:29 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.2º C.

GC/MS VOA
Method 8260C: Surrogate recovery for the following sample was outside control limits: MW-1 (400-195884-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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
Job ID: 400-195884-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: TB-01
Lab Sample ID: 400-195884-1

No Detections.

Client Sample ID: DUP-01
Lab Sample ID: 400-195884-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	42		1.0		ug/L	1		8260C	Total/NA
Toluene	12		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	190		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-1
Lab Sample ID: 400-195884-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Benzene	44		1.0		ug/L	1		8260C	Total/NA
Toluene	12		1.0		ug/L	1		8260C	Total/NA
Xylenes, Total	220		10		ug/L	1		8260C	Total/NA

Client Sample ID: MW-2
Lab Sample ID: 400-195884-4

No Detections.

Client Sample ID: MW-3
Lab Sample ID: 400-195884-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-195884-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
400-195884-1	TB-01	Water	11/12/20 13:00	11/14/20 08:29	
400-195884-2	DUP-01	Water	11/12/20 13:55	11/14/20 08:29	
400-195884-3	MW-1	Water	11/12/20 13:25	11/14/20 08:29	
400-195884-4	MW-2	Water	11/12/20 13:36	11/14/20 08:29	
400-195884-5	MW-3	Water	11/12/20 13:43	11/14/20 08:29	

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195884-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: TB-01
Lab Sample ID: 400-195884-1
Date Collected: 11/12/20 13:00
Matrix: Water
Date Received: 11/14/20 08:29

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/20 22:55	1
Toluene	<1.0		1.0		ug/L			11/24/20 22:55	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 22:55	1
Xylenes, Total	<10		10		ug/L			11/24/20 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*78 - 118*		*11/24/20 22:55*	*1*
Dibromofluoromethane	*97*		*81 - 121*		*11/24/20 22:55*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/24/20 22:55*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195884-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: DUP-01
Lab Sample ID: 400-195884-2
Date Collected: 11/12/20 13:55
Matrix: Water
Date Received: 11/14/20 08:29

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**42**		1.0		ug/L			11/19/20 10:57	1
Toluene	**12**		1.0		ug/L			11/19/20 10:57	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/20 10:57	1
Xylenes, Total	**190**		10		ug/L			11/19/20 10:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*78 - 118*		*11/19/20 10:57*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*11/19/20 10:57*	*1*
Toluene-d8 (Surr)	*119*		*80 - 120*		*11/19/20 10:57*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195884-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: MW-1
Lab Sample ID: 400-195884-3
Date Collected: 11/12/20 13:25
Matrix: Water
Date Received: 11/14/20 08:29

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**44**		1.0		ug/L			11/19/20 11:23	1
Toluene	**12**		1.0		ug/L			11/19/20 11:23	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/20 11:23	1
Xylenes, Total	**220**		10		ug/L			11/19/20 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*78 - 118*		*11/19/20 11:23*	*1*
Dibromofluoromethane	*105*		*81 - 121*		*11/19/20 11:23*	*1*
Toluene-d8 (Surr)	*121*	*X*	*80 - 120*		*11/19/20 11:23*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195884-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: MW-2
Lab Sample ID: 400-195884-4
Date Collected: 11/12/20 13:36
Matrix: Water
Date Received: 11/14/20 08:29

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/25/20 03:00	1
Toluene	<1.0		1.0		ug/L			11/25/20 03:00	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/20 03:00	1
Xylenes, Total	<10		10		ug/L			11/25/20 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*106*		*78 - 118*		*11/25/20 03:00*	*1*
Dibromofluoromethane	*94*		*81 - 121*		*11/25/20 03:00*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/25/20 03:00*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195884-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Client Sample ID: MW-3
Lab Sample ID: 400-195884-5
Date Collected: 11/12/20 13:43
Matrix: Water
Date Received: 11/14/20 08:29

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/25/20 03:34	1
Toluene	<1.0		1.0		ug/L			11/25/20 03:34	1
Ethylbenzene	<1.0		1.0		ug/L			11/25/20 03:34	1
Xylenes, Total	<10		10		ug/L			11/25/20 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*78 - 118*		*11/25/20 03:34*	*1*
Dibromofluoromethane	*102*		*81 - 121*		*11/25/20 03:34*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/25/20 03:34*	*1*

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-195884-1

GC/MS VOA

Analysis Batch: 511278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-195884-2	DUP-01	Total/NA	Water	8260C	
400-195884-3	MW-1	Total/NA	Water	8260C	
MB 400-511278/4	Method Blank	Total/NA	Water	8260C	
LCS 400-511278/1002	Lab Control Sample	Total/NA	Water	8260C	
400-195544-A-2 MS	Matrix Spike	Total/NA	Water	8260C	
400-195544-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 512026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-195884-1	TB-01	Total/NA	Water	8260C	
400-195884-4	MW-2	Total/NA	Water	8260C	
400-195884-5	MW-3	Total/NA	Water	8260C	
MB 400-512026/15	Method Blank	Total/NA	Water	8260C	
LCS 400-512026/1002	Lab Control Sample	Total/NA	Water	8260C	
400-195897-A-1 MS	Matrix Spike	Total/NA	Water	8260C	
400-195897-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

QC Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-195884-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

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

Lab Sample ID: MB 400-511278/4
Matrix: Water
Analysis Batch: 511278

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/19/20 08:06	1
Toluene	<1.0		1.0		ug/L			11/19/20 08:06	1
Ethylbenzene	<1.0		1.0		ug/L			11/19/20 08:06	1
Xylenes, Total	<10		10		ug/L			11/19/20 08:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*78 - 118*		*11/19/20 08:06*	*1*
Dibromofluoromethane	*108*		*81 - 121*		*11/19/20 08:06*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/19/20 08:06*	*1*

Lab Sample ID: LCS 400-511278/1002
Matrix: Water
Analysis Batch: 511278

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	54.7		ug/L		109	70 - 130		
Toluene			50.0	50.5		ug/L		101	70 - 130		
Ethylbenzene			50.0	53.0		ug/L		106	70 - 130		
Xylenes, Total			100	105		ug/L		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*107*		*81 - 121*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 400-195544-A-2 MS
Matrix: Water
Analysis Batch: 511278

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<1.0		50.0	49.0		ug/L		98	56 - 142		
Toluene	<1.0		50.0	43.9		ug/L		88	65 - 130		
Ethylbenzene	<1.0		50.0	43.6		ug/L		87	58 - 131		
Xylenes, Total	<10		100	85.8		ug/L		86	59 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*78 - 118*
Dibromofluoromethane	*106*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: 400-195544-A-2 MSD
Matrix: Water
Analysis Batch: 511278

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	54.7		ug/L		109	56 - 142	11	30
Toluene	<1.0		50.0	49.2		ug/L		98	65 - 130	11	30
Ethylbenzene	<1.0		50.0	50.6		ug/L		101	58 - 131	15	30

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-195884-1

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

Lab Sample ID: 400-195544-A-2 MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 511278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	<10		100	100		ug/L		100	59 - 130	16	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*78 - 118*
Dibromofluoromethane	*107*		*81 - 121*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: MB 400-512026/15 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 512026

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<1.0		1.0		ug/L			11/24/20 20:01	1
Toluene	<1.0		1.0		ug/L			11/24/20 20:01	1
Ethylbenzene	<1.0		1.0		ug/L			11/24/20 20:01	1
Xylenes, Total	<10		10		ug/L			11/24/20 20:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*78 - 118*		*11/24/20 20:01*	*1*
Dibromofluoromethane	*89*		*81 - 121*		*11/24/20 20:01*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*11/24/20 20:01*	*1*

Lab Sample ID: LCS 400-512026/1002 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 512026

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	43.8		ug/L		88	70 - 130		
Toluene			50.0	47.2		ug/L		94	70 - 130		
Ethylbenzene			50.0	45.2		ug/L		90	70 - 130		
Xylenes, Total			100	90.1		ug/L		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*78 - 118*
Dibromofluoromethane	*93*		*81 - 121*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 400-195897-A-1 MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 512026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<1.0		50.0	44.5		ug/L		89	56 - 142		
Toluene	<1.0		50.0	46.0		ug/L		92	65 - 130		
Ethylbenzene	<1.0		50.0	38.4		ug/L		77	58 - 131		
Xylenes, Total	<10		100	77.7		ug/L		78	59 - 130		

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-195884-1

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

Lab Sample ID: 400-195897-A-1 MS
Matrix: Water
Analysis Batch: 512026

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*100*		*78 - 118*
Dibromofluoromethane	*95*		*81 - 121*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 400-195897-A-1 MSD
Matrix: Water
Analysis Batch: 512026

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<1.0		50.0	44.0		ug/L		88	56 - 142	1	30
Toluene	<1.0		50.0	45.4		ug/L		91	65 - 130	1	30
Ethylbenzene	<1.0		50.0	39.5		ug/L		79	58 - 131	3	30
Xylenes, Total	<10		100	78.8		ug/L		79	59 - 130	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*99*		*78 - 118*
Dibromofluoromethane	*99*		*81 - 121*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-195884-1

Client Sample ID: TB-01
Date Collected: 11/12/20 13:00
Date Received: 11/14/20 08:29

Lab Sample ID: 400-195884-1
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	8260C		1	5 mL	5 mL	512026	11/24/20 22:55	BEP	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: DUP-01
Date Collected: 11/12/20 13:55
Date Received: 11/14/20 08:29

Lab Sample ID: 400-195884-2
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	8260C		1	5 mL	5 mL	511278	11/19/20 10:57	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-1
Date Collected: 11/12/20 13:25
Date Received: 11/14/20 08:29

Lab Sample ID: 400-195884-3
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	8260C		1	5 mL	5 mL	511278	11/19/20 11:23	WPD	TAL PEN
	Instrument ID: CH_TAN									

Client Sample ID: MW-2
Date Collected: 11/12/20 13:36
Date Received: 11/14/20 08:29

Lab Sample ID: 400-195884-4
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	8260C		1	5 mL	5 mL	512026	11/25/20 03:00	BEP	TAL PEN
	Instrument ID: Einstein									

Client Sample ID: MW-3
Date Collected: 11/12/20 13:43
Date Received: 11/14/20 08:29

Lab Sample ID: 400-195884-5
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	8260C		1	5 mL	5 mL	512026	11/25/20 03:34	BEP	TAL PEN
	Instrument ID: Einstein									

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc Job ID: 400-195884-1
Project/Site: ElPaso CGP Company - Miles Fed 1A

Laboratory: Eurofins TestAmerica, 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	06-30-21
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-13-21
Arkansas DEQ	State	88-0689	09-02-21
California	State	2510	06-30-21
Florida	NELAP	E81010	06-30-21
Georgia	State	E81010(FL)	06-30-21
Illinois	NELAP	200041	10-09-21
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-21
Kentucky (UST)	State	53	06-30-21
Kentucky (WW)	State	KY98030	12-31-20
Louisiana	NELAP	30976	06-30-21
Louisiana (DW)	State	LA017	12-31-20
Maryland	State	233	09-30-21
Massachusetts	State	M-FL094	06-30-21
Michigan	State	9912	06-30-21
Minnesota	NELAP	012-999-481	12-31-20
New Jersey	NELAP	FL006	06-30-21
New York	NELAP	12115	04-01-21
North Carolina (WW/SW)	State	314	12-31-20
Oklahoma	State	9810-186	08-31-21
Pennsylvania	NELAP	68-00467	01-31-21
Rhode Island	State	LAO00307	12-30-20
South Carolina	State	96026002	06-30-21
Tennessee	State	TN02907	06-30-21
Texas	NELAP	T104704286	09-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-18-00148	05-17-21
Virginia	NELAP	460166	06-14-21
Washington	State	C915	05-15-21
West Virginia DEP	State	136	12-31-20

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: ElPaso CGP Company - Miles Fed 1A

Job ID: 400-195884-1

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

Protocol References:

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

Laboratory References:

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

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

TestAmerica Des Moines SC
214

eurofins Environment Testing Am

400-195884 COC

Client Information	Sampler: SRC	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-97382-35226.1
Client Contact: Steve Varsa	Phone: 913-980-0251	E-Mail: Marty.Edwards@Eurofinset.com		Page: Page 1 of 1
Company: Stantec Consulting Services Inc				Job #:
Address: 11153 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days): STD			
State, Zip: IA, 50322-7904				
Phone: 303-291-2239(Tel)	PO #: See Project Notes			
Email: steve.varsa@stantec.com	WO #:			
Project Name: Miles Fed 1A 00 Semi-annua	Project #: 40005479			
Site: Miles Fed 1A	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

W-ERH-STN-11-02-2020
-SAH-12 Miles Fed 1A

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - BTEX 8260	8260C - BTEX 8260 (unpreserved)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
TB-01	11/12/2020	1300	G	Water			2		2	Trip Blank
DUP-01	11/12/2020	1355	G	Water			1		1	Blind dup, volume limited
MW-1	11/12/2020	1325	G	Water			2		2	Volume limited
MW-2	11/12/2020	1336	G	Water			3		3	
MW-3	11/12/2020	1343	G	Water			3		3	

SRC SRC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: Fedex

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Sean R Clary	11/13/2020 0700	STN		11-14-20 0829	TAPEN

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-195884-1

Login Number: 195884 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Conrady, Hank W

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	0.2°C IR-9
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	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 25499

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 25499
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. See app ID 144205 for most updated status.	10/28/2022