



Jason Michelson
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APPROVED

By Nelson Velez at 9:04 am, Mar 20, 2023

July 21, 2020

Mr. Bradford Billings
EMNRD/OCD
5200 Oakland, NE, Suite 100
Albuquerque, NM 87113

**Re: Former Eunice South Gas Plant
Proposed Groundwater Monitoring Reduction Workplan
Eunice, Lea County, New Mexico**

Review of Proposed Groundwater Monitoring Reduction Workplan:
Content satisfactory

1. Sampling Reduction for Non-impacted Monitoring Wells is approved.
2. Sampling Reduction for Stable/Decreasing Impacted Monitoring Wells is approved.

Dear Mr. Billings,

Please find enclosed the Proposed Groundwater Monitoring Reduction Workplan, prepared for the Former Eunice South Gas Plant, in Eunice, New Mexico.

This Workplan was prepared by Arcadis U.S., Inc. (Arcadis) on behalf of Chevron Environmental Management Company (CEMC).

Please do not hesitate to call Rebecca Andresen with Arcadis at 206-726-4717 or myself at 832-854-5601, should you have any questions.

Sincerely,

Jason Michelson



Mr. Bradford Billings
Project Manager
EMNRD/OCD
5200 Oakland, NE, Suite 100
Albuquerque, NM 87113

Subject:

Proposed Groundwater Monitoring Reduction Workplan
Chevron Environmental Management Company
Former South Eunice Gas Plant
Lea County, New Mexico

ENVIRONMENT

Dear Mr. Billings:

At the request of Chevron Environmental Management Company (CEMC), Arcadis U.S., Inc. (Arcadis) is providing this workplan to request the reduction of groundwater monitoring frequency on select monitoring wells for the Former South Eunice Gas Plant (Site).

The Site is located approximately 4.5 miles south of Eunice, New Mexico in Lea County, in the northwest quarter of the southwest quarter of Section 27, Township 22 South, Range 37 East. The approximately 90-acre Site is bordered by State Highway 207 to the west and State Highway 18 to the east.

Groundwater monitoring began at the Site in 2009 and the Site is currently monitored semi-annually from a network of 64 monitoring wells. Spring monitoring events include sampling and gauging 64 wells and fall events include a reduced set of 38 wells. The primary constituents of concern (COCs) in groundwater include benzene and chloride.

For additional site-specific background information please refer to the Arcadis, 2019 Groundwater Monitoring Report, dated March 24, 2020.

Date:

July 21, 2020

Contact:

Rebecca Andresen

Phone:

206.726.4717

Email:

rebecca.andresen@arcadis.com

PROPOSED REDUCED SAMPLING PLAN

The following Workplan outlines the specifics of the proposed reduced sampling plan for select monitoring wells and the methodology for the selection of those monitoring wells. One semi-annual monitoring event conducted in the spring will include sampling the network of 64 site wells currently included in the sampling and analysis plan (SAP) for the site. The second semi-annual sampling event conducted in the fall will be reduced further from the current 38 wells based on the

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evaluation described below. The groundwater sampling frequency will be assessed regularly based on the results of the sampling events for the lifespan of the project.

The proposed monitoring wells to be removed from the sampling plan during the fall semi-annual sampling event at the Site have been evaluated based on historical concentration trends, historical concentration trends of nearby monitoring wells, proximity to potential receptors, and the groundwater gradient at the Site.

The following sections provide specifics for the proposed reduced groundwater monitoring plan:

Sampling Reduction for Non-impacted Monitoring Wells

Select site monitoring wells with COC concentrations reported below New Mexico Water Quality Control Commission (NMWQCC) exceedance standards for two consecutive years or longer will not be sampled during the fall semi-annual monitoring event.

Wells proposed for a reduction to annual sampling include:

- MW-3
- MWD-4
- MWD-6
- MWD-8
- MWD-11

Table 1 shows the proposed revised SAP for 2020, including the proposed reduction in sampling frequency for these wells. Table 2 summarizes analytical results for site wells since 2017.

Sampling Reduction for Stable/Decreasing Impacted Monitoring Wells

Select site monitoring wells with COC concentrations reported above NMWQCC exceedance standards that show stable to decreasing concentration trends for two consecutive years or longer will not be sampled during the fall semi-annual monitoring event.

Wells proposed for a reduction to annual sampling include:

- MW-4
- MW-8
- MW-9
- MW-13
- MW-14
- MW-31
- MW-36
- MW-37

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- MWD-1
- MWD-7
- RW-7
- TMW-1
- TMW-6

Table 1 shows the proposed revised SAP for 2020, including the proposed reduction in sampling frequency for these wells. Table 2 summarizes analytical results for site wells since 2017. Figures 1 and 2 show the proposed reduced network of monitoring wells in relation to the fall 2019 groundwater plume maps as presented in the 2019 Groundwater Monitoring Report.

Summary

As noted above, the spring semi-annual groundwater monitoring event will remain unchanged from the previous SAP with a sampling network of 64 wells. The fall semi-annual groundwater monitoring event will be reduced based on the evaluation of historical analytical data and will include 20 wells going forward, as summarized in Table 1. No frequency changes are proposed for wells that have fluctuating trends or that are key to delineation of the plumes. Arcadis is prepared to initiate the scope of work immediately. If you have any questions or comments, please contact either Rebecca Andresen by phone at 206 726 4717 or by e-mail at rebecca.andresen@arcadis.com or Greg Cutshall by phone at 859 327 4626 or by email at greg.cutshall@arcadis.com.

Sincerely,
Arcadis U.S., Inc.



Rebecca Andresen
Project Manager

Copies:
Jason Michelson, CEMC Project Manager

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Enclosures:

Table 1

Proposed Sampling and Analysis Plan

Table 2

Summary of Historical Groundwater Analytical Results

Figure 1

Proposed Groundwater Monitoring Well Reduction Location Map – Fall 2019
Benzene

Figure 2

Proposed Groundwater Monitoring Well Reduction Location Map – Fall 2019
Chloride

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TABLES



Table 1. Proposed Sampling and Analysis Plan
Former Eunice South Gas Plant
Eunice, Lea County, New Mexico



Monitoring Well ID	Proposed Sample Frequency: Semiannually (SA) or Annual (A) ¹	Previous Sample Frequency: Semiannually (SA) or Annual (A)	Comments
MW-1	A	A	LNAPL
MW-2	A	A	LNAPL
MW-3	A	SA	2020 well reduction; COCs not exceeded for the past 2 consecutive years
MW-4	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MW-5	A	A	Gauge Only
MW-6	A	A	Gauge Only
MW-7	A	A	Gauge Only
MW-8	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MW-9	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MW-10	A	A	LNAPL
MW-11	SA	SA	
MW-12	A	A	Gauge Only
MW-13	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MW-14	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MW-15	SA	SA	
MW-16	SA	SA	
MW-17	SA	SA	
MW-19	A	A	
MW-20	A	A	Gauge Only
MW-21	A	A	
MW-22	A	A	
MW-23	A	A	Gauge Only
MW-24	SA	SA	
MW-25	SA	SA	
MW-26	SA	SA	
MW-27	A	A	LNAPL
MW-28	A	A	LNAPL
MW-29	SA	SA	
MW-30	SA	SA	
MW-31	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MW-32	SA	SA	
MW-34	SA	SA	
MW-35	SA	SA	
MW-36	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MW-37	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MW-38	SA	SA	
MWD-1	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MWD-2	A	A	

Table 1. Proposed Sampling and Analysis Plan

Former Eunice South Gas Plant

Eunice, Lea County, New Mexico



Monitoring Well ID	Proposed Sample Frequency: Semiannually (SA) or Annual (A) ¹	Previous Sample Frequency: Semiannually (SA) or Annual (A)	Comments
MWD-3	SA	SA	
MWD-4	A	SA	2020 well reduction; COCs not exceeded for the past 2 consecutive years
MWD-5	A	A	
MWD-6	A	SA	2020 well reduction; COCs not exceeded for the past 2 consecutive years
MWD-7	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
MWD-8	A	SA	2020 well reduction; COCs not exceeded for the past 2 consecutive years
MWD-9	SA	SA	
MWD-11	A	SA	2020 well reduction; COCs not exceeded for the past 2 consecutive years
MWD-12	SA	SA	
MWD-13	SA	SA	
MWD-14	SA	SA	
MWD-15	SA	SA	
MWD-17	A	A	
RW-1	A	A	LNAPL
RW-2	A	A	LNAPL
RW-3	A	A	LNAPL
RW-4	A	A	LNAPL
RW-5	A	A	LNAPL
RW-6	SA	SA	
RW-7	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
RW-8	A	A	
TMW-1	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
TMW-2	A	A	
TMW-3			Gauge Only
TMW-6	A	SA	2020 well reduction; Stable/decreasing trend for past 2 consecutive years
WW-2	A	A	
WW-7	A	A	

Notes:

1. **Bold** text indicates a change in sampling frequency

A = Sample to be collected annually (spring event)

MW = Monitoring well

SA = Sample to be collected semiannually (spring and fall events)

Table 2. Summary of Historical Groundwater Analytical Results
Former South Eunice Gas Plant
Eunice, Lea County, New Mexico

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	>C10-C28 Petroleum Hydrocarbons	C6-C10	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids (TDS)	C10-C28 Petroleum Hydrocarbons, Diesel
Location ID	Date Sampled	Sample Purpose	Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L	0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--	--	--	250.0 mg/L	1000.0 mg/L	--	
MW-11	4/6/2017	REG	< 0.0500 U	< 0.0500 U	0.00780 J	0.219 J	--	0.142 J	7.02	< 0.0750 U	< 0.100 U	< 0.100 U	--	--	1.67	1.67	128	1,060	< 1.50 U
MW-11	9/14/2017	REG	0.0118	0.000585 J	< 0.0100 U	--	0.841	--	7.21 J	0.0788 J	0.0498 J	0.259 J	--	--	2.54	2.54	91	900	< 1.50 U
MW-11	3/19/2018	Reg	0.0125	0.000888 J	< 0.0100 U	--	0.779	--	4.78 J	0.0223 J	< 0.0500 U	0.0648	--	--	4.3	4.3	104	852	< 1.50 U
MW-11	3/19/2018	FD	0.0109	< 0.00400 U	< 0.0100 U	--	0.676	--	1.31 J	< 0.0200 U	< 0.0200 U	0.0130 J	--	--	4.04	4.04	105	935	< 1.50 U
MW-11	9/28/2018	REG	0.021	< 0.00400 U	< 0.0100 U	--	1.19	--	4.19 D	0.00268	0.00582	0.0339	11.1	< 1.50 U	--	11.1	120	942	--
MW-11	4/4/2019	REG	0.0182	0.00989	< 0.0100 U	--	0.614	--	1.87	< 0.0200 U	0.00840 J	0.0542	--	--	7.23	7.23	78.0 J	815	< 1.50 U
MW-11	4/4/2019	FD	0.0122	0.00543	< 0.0100 U	--	0.631	--	1.67 D	0.00190 J	0.00639	0.0382	--	--	6.99	6.99	93.1 J	844	< 1.50 U
MW-11	10/4/2019	REG	0.0143	0.00340 J	< 0.0100 U	--	0.472	--	1.96 DJ	0.00752 J	0.0255 J	0.145 J	--	--	6.06	6.06	92.9	692	< 1.38 U
MW-13	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.0182 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 1.50 U	--	--	< 1.50 U	343	976	< 1.50 U	
MW-13	3/14/2018	Reg	0.016	0.000616 J	< 0.0100 U	--	0.102	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	336	1,030	< 1.50 U	
MW-13	9/25/2018	REG	0.0165	0.00114 J	< 0.0100 U	--	0.102	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	--	339	980	--		
MW-13	4/2/2019	REG	0.0139	< 0.00400 U	< 0.0100 U	--	0.0935	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	349	1,060	< 1.50 U	
MW-13	10/1/2019	REG	0.0161	0.000672 J	< 0.0100 U	--	0.0981	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.38 U	< 1.38 U	332	1,130	< 1.38 U	
MW-14	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.835	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	--	--	< 1.50 U	489	1,560	< 1.50 U
MW-14	9/13/2017	REG	0.00699	< 0.00400 U	< 0.0100 U	--	0.0691	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	486	1,640	< 1.50 U	
MW-14	3/13/2018	Reg	0.0077	< 0.00400 U	< 0.0100 U	--	0.0644	--	< 0.00200 U	< 0.00200 U	0.000730 J	--	--	< 1.50 U	< 1.50 U	516	1,500	< 1.50 U	
MW-14	3/13/2018	FD	0.00764	< 0.00400 U	< 0.0100 U	--	0.0637	--	< 0.00200 U	< 0.00200 U	0.000820 J	--	--	< 1.50 U	< 1.50 U	498	1,440	< 1.50 U	
MW-14	9/26/2018	REG	0.00827	< 0.00400 U	< 0.0100 U	--	0.0786	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	--	--	< 1.50 U	527	1,470	< 1.50 U	
MW-14	4/3/2019	REG	0.00933	0.157	< 0.0100 U	--	0.076	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	496	1,520	< 1.50 U	
MW-14	10/2/2019	REG	0.00787	< 0.00400 U	< 0.0100 U	--	0.0726	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.40 U	< 1.40 U	512	1,630	< 1.40 U	
MW-15	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.0345 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	--	--	< 1.50 U	1,960	2,900	< 1.50 U
MW-15	9/13/2017	REG	0.0124	0.000535 J	< 0.0100 U	--	0.0481	--	0.00795	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	2,040	4,590	< 1.50 U
MW-15	3/13/2018	REG	0.0135	< 0.00400 U	< 0.0100 U	--	0.0475	--	0.00159 J	0.000630 J	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	2,160	5,060	< 1.50 U
MW-15	9/25/2018	REG	0.0133	0.000735 J	< 0.0100 U	--	0.0533	--	0.000780 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	--	< 1.50 U	2,320	3,910	--
MW-15	4/2/2019	REG	0.0142	0.00109 J	< 0.0100 U	--	0.0452	--	0.00102 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	1,960	3,840	< 1.50 U
MW-15	10/2/2019	REG	0.0119	< 0.00400 U	< 0.0100 U	--	0.0452	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.40 U	< 1.40 U	1,890	3,930	< 1.40 U	
MW-15	10/2/2019	FD	0.0122	< 0.00400 U	< 0.0100 U	--	0.0482	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.41 U	< 1.41 U	1,850	3,920	< 1.41 U	
MW-16	4/5/2017	REG	< 0.0500 U	0.0955	0.106	< 1.00 U	--	< 0.00200 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	--	--	< 1.50 U	1,880	3,810	< 1.50 U
MW-16	9/13/2017	REG	0.0129	0.11	0.0957	--	0.0448	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	1,880	4,230	< 1.50 U	
MW-16	3/13/2018	REG	0.013	0.108	0.101	--	0.0406	--	< 0.00200 U	0.009950 J	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	2,150	3,930	< 1.50 U
MW-16	9/25/2018	REG	0.0144	0.111	< 0.0100 U	--													

Table 2. Summary of Historical Groundwater Analytical Results
Former South Eunice Gas Plant
Eunice, Lea County, New Mexico

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	>C10-C28 Petroleum Hydrocarbons	C6-C10	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids (TDS)	C10-C28 Petroleum Hydrocarbons, Diesel
Location ID	Date Sampled	Sample Purpose	Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L	0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--	--	--	250.0 mg/L	1000.0 mg/L	--	
MW-3	4/5/2019	REG	0.016	0.00111 J	< 0.0100 U	--	0.0562	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	67.7	344	< 1.50 U	
MW-3	10/4/2019	REG	0.0164	0.00113 J	< 0.0100 U	--	0.0512	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.39 U	< 1.39 U	84	723	< 1.39 U	
MW-30	4/5/2017	REG	< 0.0500 U	< 0.0500 U	--	< 1.00 U	--	0.529 J	0.0325	< 0.00150 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	328	1,330	< 1.50 U
MW-30	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-30	9/12/2017	REG	0.00903	< 0.00400 U	< 0.0100 U	--	0.542	--	0.053	< 0.00200 U	< 0.00200 U	0.00231	--	--	< 1.50 U	< 1.50 U	307	1,320	< 1.50 U
MW-30	3/16/2018	Reg	0.0119	< 0.00400 U	< 0.0100 U	--	0.616	--	0.015	< 0.00200 U	< 0.00200 U	0.000860 J	--	--	< 1.50 U	< 1.50 U	285	1,230	< 1.50 U
MW-30	9/26/2018	REG	0.0158	< 0.00400 U	< 0.0100 U	--	0.455	--	0.0244	< 0.00200 U	< 0.00200 U	0.00125 J	< 1.50 U	--	< 1.50 U	284	1,130	< 1.50 U	
MW-30	4/3/2019	REG	0.0212	0.00146 J	< 0.0100 U	--	0.37	--	0.00872	< 0.00200 U	< 0.00200 U	0.00100 J	--	--	< 1.50 U	< 1.50 U	260	1,240	< 1.50 U
MW-30	10/3/2019	REG	0.0123	< 0.00400 U	< 0.0100 U	--	0.298	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	0.969 J	0.969 J	244	1,220	< 1.38 U	
MW-31	4/5/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.105 J	--	0.316	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	--	< 1.50 U	435	1,310	< 1.50 U	
MW-31	4/5/2017	FD	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.0918 J	--	0.298	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	--	< 1.50 U	431	1,400	< 1.50 U	
MW-31	9/13/2017	REG	0.0347	< 0.00400 U	< 0.0100 U	--	0.569	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	445	1,450	< 1.50 U	
MW-31	3/14/2018	Reg	0.0463	< 0.00400 U	< 0.0100 U	--	0.483	--	< 0.00200 UJ	< 0.00200 UJ	< 0.00200 UJ	--	--	< 1.50 U	< 1.50 U	449	1,450	< 1.50 U	
MW-31	9/25/2018	REG	0.0334	< 0.00400 U	< 0.0100 U	--	0.565	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	--	< 1.50 U	499	1,420	--		
MW-31	4/3/2019	REG	0.0359	< 0.00400 U	< 0.0100 U	--	0.44	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	533	1,460	< 1.50 U	
MW-31	10/2/2019	REG	0.0392	< 0.00400 U	< 0.0100 U	--	0.555	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.41 U	< 1.41 U	462	1,440	< 1.41 U	
MW-32	4/7/2017	REG	< 0.0500 U	0.00848 J	0.00560 J	0.0899 J	--	0.0540 J	7.56	0.133	0.177	0.119	--	< 1.50 U	< 1.50 U	988	2,650	< 1.50 U	
MW-32	9/13/2017	REG	0.0263	< 0.00400 U	< 0.0100 U	--	1.32	--	14.7	< 0.00200 U	0.0099	0.00325	--	--	1.35 J	1.35 J	1,070	3,140	< 1.50 U
MW-32	3/19/2018	Reg	0.0198	< 0.00400 U	< 0.0100 U	--	0.886	--	5.08	0.07	< 0.0500 U	0.056	--	2.99	2.99	831	2,470	< 1.50 U	
MW-32	9/27/2018	REG	0.0298	< 0.00400 U	< 0.0100 U	--	1.32	--	8.37 D	0.000520 J	0.00239	0.00134 J	10.7	< 1.50 U	--	10.7	578	2,000	--
MW-32	4/3/2019	REG	0.0361	0.000949 J	< 0.0100 U	--	1.4	--	4.30 D	0.000510 J	0.00196 J	0.00311	--	--	11.1	11.1	583	2,200	< 1.50 U
MW-32	10/3/2019	REG	0.0329	< 0.00400 U	< 0.0100 U	--	1.32	--	5.96 DJ	< 0.00200 U	0.00533	0.00538	--	--	11.9	11.9	435	2,110	< 1.36 U
MW-34	4/5/2017	REG	< 0.0500 U	0.00780 J	--	0.162 J	--	0.0612 J	1.84	< 0.0150 U	0.085	0.0454	--	--	< 1.50 U	< 1.50 U	244	1,340	< 1.50 U
MW-34	4/7/2017	REG	--	--	0.00340 J	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-34	9/12/2017	REG	0.00215	< 0.00400 U	0.00300 J	--	4.72	--	2.42 J	< 0.00200 UJ	< 0.00200 UJ	--	--	< 1.50 U	1.04 J	235	1,500	1.04 J	
MW-34	3/16/2018	Reg	0.00242	< 0.00400 U	< 0.0100 U	--	4.66	--	3.68	< 0.0200 U	< 0.0200 U	< 0.0200 U	--	--	7.24	9.64	455	1,470	2.4
MW-34	9/27/2018	REG	0.00186 J	< 0.00400 U	0.00470 J	--	5.28	--	0.599 D	< 0.00200 U	< 0.00200 U	< 0.00200 U	2.33	1.46 J	--	3.79	262	1,450	--
MW-34	4/2/2019	REG	0.00180 J	< 0.00400 U	< 0.0100 U	--	5.3	--	0.0989	0.000770 J	< 0.00200 U	< 0.00200 U	--	--	1.33 J	2.27	286	1,680	0.937 J
MW-34	10/2/2019	REG	0.00108 J	< 0.00400 U	< 0.0100 U	--	4.84	--	0.0642 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	2.17	3.35	302	1,710	1.18 J
MW-34	10/2/2019	FD	0.00107 J	< 0.00400 U	< 0.0100 U	--	4.7	--	0.0609 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	2.33	3.62	299	1,590	1.29 J
MW-35	4/12/2017	REG	--	--	< 0.0100 U	--	0.046	--	0.000750 J	0.0044	< 0.00200 U	< 0.00200 U	--	--	2.28	4.05	1,810	3,300	1.77
MW-35	9/15/2017	REG	0.0293 J	< 0.00400 U	< 0.0100 U	--	0.163 J	--	< 0.00200 U	0.00455	< 0.00200 U	< 0.00200 U	--	--	< 1				

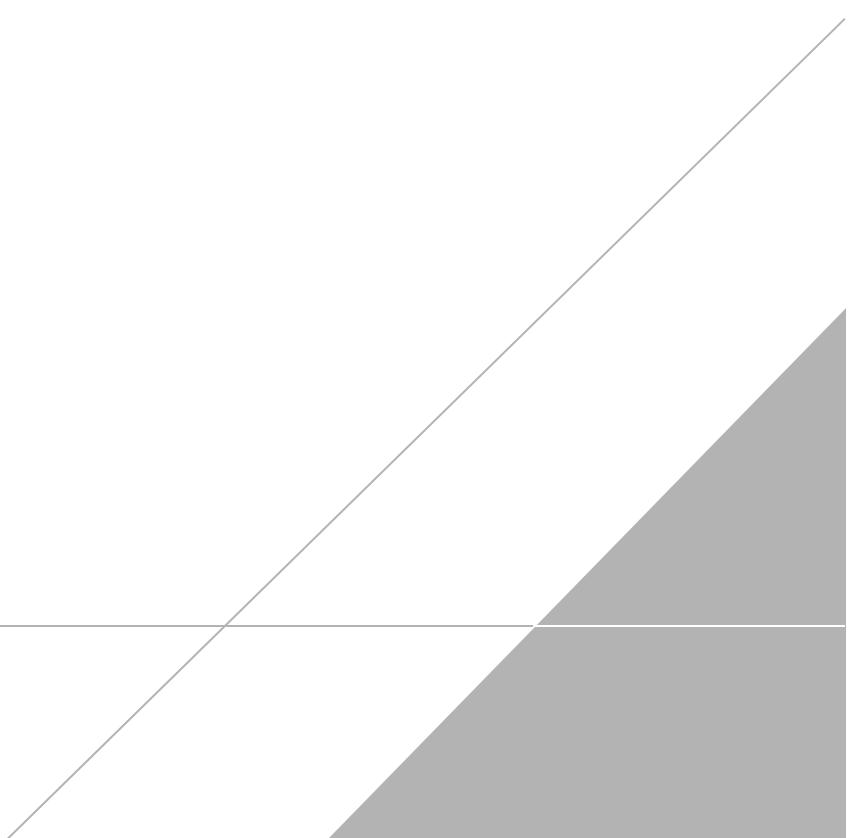
Table 2. Summary of Historical Groundwater Analytical Results
Former South Eunice Gas Plant
Eunice, Lea County, New Mexico

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	>C10-C28 Petroleum Hydrocarbons	C6-C10	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids (TDS)	C10-C28 Petroleum Hydrocarbons, Diesel
Location ID	Date Sampled	Sample Purpose	Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Domestic	0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L	0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--	--	--	--	250.0 mg/L	1000.0 mg/L	--		
MW-9	9/27/2018	REG	0.0145	< 0.00400 U	< 0.0100 U	--	1.11	--	0.00122 J	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	--	< 1.50 U	360	1,470	--	
MW-9	4/3/2019	REG	0.0107	0.00113 J	< 0.00400 U	< 0.0100 U	--	4.79	--	0.00105 J	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	334	1,410	< 1.50 U
MW-9	10/3/2019	REG	0.00387 J	< 0.00400 U	< 0.0100 U	--	9.06	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	1.04 J	1.04 J	286	1,340	< 1.38 U	
MWD-1	4/6/2017	REG	0.0715	< 0.0500 U	< 0.0100 U	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	629	1,700	< 1.50 U
MWD-1	9/13/2017	REG	0.0514	0.00479	< 0.0100 U	--	0.0455	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	635	1,910	< 1.50 U	
MWD-1	3/14/2018	REG	0.0483	0.00475	< 0.0100 U	--	0.0447	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	547	1,500	< 1.50 U	
MWD-1	9/25/2018	REG	0.0485	0.00485 J	--	0.0581	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	--	< 1.50 U	567	1,580	--		
MWD-1	4/3/2019	REG	0.0544	0.00612	< 0.0100 U	--	0.0503	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	501	1,640	< 1.50 U	
MWD-1	10/3/2019	REG	0.0501	0.00388 J	< 0.0100 U	--	0.0483	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.34 U	< 1.34 U	469	1,540	< 1.34 U	
MWD-1	10/3/2019	FD	0.0507	0.00404	< 0.0100 U	--	0.0482	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.38 U	< 1.38 U	475	1,530	< 1.38 U	
MWD-11	4/5/2017	REG	< 0.0500 U	< 0.0100 U	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 1.50 U	--	--	< 1.50 U	91.6	722	< 1.50 U		
MWD-11	9/15/2017	REG	0.0157 J	0.00142 J	0.00580 J	--	0.0520 J	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	101 J	758 J	< 1.50 U	
MWD-11	9/15/2017	FD	0.0276 J	< 0.00400 U	< 0.0100 U	--	0.155 J	--	< 0.00200 U	0.00335	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	1,190 J	2,560 J	< 1.50 U
MWD-11	3/15/2018	Reg	0.0142	0.00121 J	< 0.0100 U	--	0.0632	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	121	937	< 1.50 U	
MWD-11	9/25/2018	REG	0.0184	0.00107 J	< 0.0100 U	--	0.0667	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	--	< 1.50 U	145	981	--	
MWD-11	4/5/2019	REG	0.0198	0.00113 J	< 0.0100 U	--	0.0466	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	80.2	736	< 1.50 U	
MWD-11	10/4/2019	REG	0.016	0.00135 J	0.00550 J	--	0.0486	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.38 U	< 1.38 U	112	801	< 1.38 U	
MWD-12	4/6/2017	REG	0.0375 J	< 0.0500 U	0.00280 J	0.161 J	--	0.0977 J	0.048	< 0.00150 U	0.0745	0.00592	--	--	1.61	4.68	962	2,780	3.07
MWD-12	9/13/2017	REG	0.037	< 0.00400 U	< 0.0100 U	--	0.275	--	0.0271	< 0.00200 U	0.0834	0.00233	--	--	< 1.50 U	< 1.50 U	793	2,740	< 1.50 U
MWD-12	3/19/2018	Reg	0.0321	< 0.00400 U	< 0.0100 U	--	0.245	--	0.00204	< 0.00200 U	0.0325	< 0.00200 U	--	--	1.04 J	1.04 J	1,020	2,480	< 1.50 U
MWD-12	9/27/2018	REG	0.0391	< 0.00400 U	< 0.0100 U	--	0.346	--	0.0049	0.000380 J	0.06	0.00176 J	1.01 J	1.15 J	--	2.16	1,080	2,760	--
MWD-12	4/3/2019	REG	0.0443	0.000870 J	< 0.0100 U	--	0.38	--	0.000460 J	< 0.00200 U	0.0109	< 0.00200 U	--	--	< 1.50 U	1.20 J	901	3,120	1.20 J
MWD-12	10/4/2019	REG	0.035	< 0.00400 U	< 0.0100 U	--	0.371	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.38 U	< 1.38 U	914	2,840	< 1.38 U	
MWD-13	4/4/2017	REG	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.269	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	1,930	5,150	< 1.50 U
MWD-13	9/12/2017	REG	0.0294	0.000896 J	< 0.0100 U	--	0.0615	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	2,620	6,280	< 1.50 U	
MWD-13	9/13/2017	REG	0.0145	< 0.00400 U	< 0.0100 U	--	0.12	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	331	1,170	< 1.50 U	
MWD-13	3/15/2018	Reg	0.0366	0.000814 J	< 0.0100 U	--	0.0555	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	2,450	5,470	< 1.50 U	
MWD-13	9/27/2018	REG	0.0622	0.00149 J	< 0.0100 U	--	0.0885	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	--	< 1.50 U	2,410	6,330	--	
MWD-13	4/3/2019	REG	0.0349	0.0102	< 0.0100 U	--	0.0781	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	1,880	5,180	< 1.50 U	
MWD-13	10/3/2019	REG	0.062	0.00285 J	< 0.0100 U	--	0.0726	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.35 U	< 1.35 U	1,290	4,610	< 1.35 U	
MWD-14	4/6/2017	REG	< 0.0500 U	< 0.0100 U	0.212 J	--	0.161 J	1.32	< 0.0150 U	0.337	0.0865	--	--	< 1.50 U	2.02</				

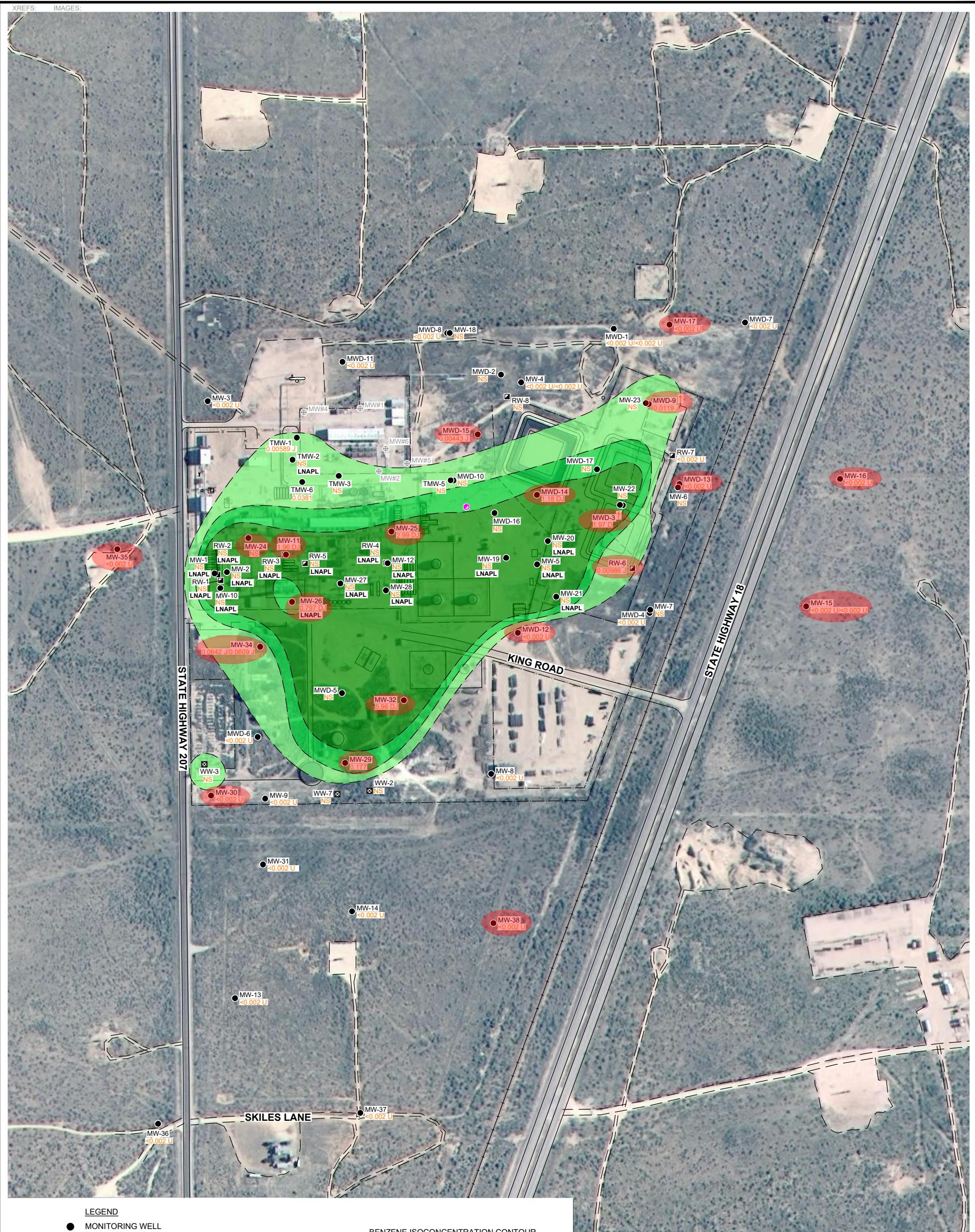
Table 2. Summary of Historical Groundwater Analytical Results
Former South Eunice Gas Plant
Eunice, Lea County, New Mexico

Parameter Name			Arsenic	Chromium	Chromium, Hexavalent	Iron	Barium	Manganese	Benzene	Toluene	Ethylbenzene	Xylene (total)	Petroleum Hydrocarbons (C6-C10)-GRO	>C10-C28 Petroleum Hydrocarbons	C6-C10	C6-C35 Petroleum Hydrocarbon Summary	Chloride	Total Dissolved Solids (TDS)	C10-C28 Petroleum Hydrocarbons, Diesel
Location ID	Date Sampled	Sample Purpose	Report Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
NMWQCC Domestic			0.1 mg/L	0.05 mg/L	0.05 mg/L	1.0 mg/L	2 mg/L	0.2 mg/L	0.005 mg/L	1 mg/L	0.7 mg/L	0.62 mg/L	--	--	--	250.0 mg/L	1000.0 mg/L	--	
MWD-6	4/2/2019	REG	0.00474	< 0.00400 U	< 0.0100 U	--	3.77	--	0.00214	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	202	1,220	< 1.50 U
MWD-6	10/2/2019	REG	0.00234 J	< 0.00400 U	< 0.0100 U	--	2.87	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	0.966 J	1,250	< 1.35 U
MWD-7	4/4/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.324	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	5,130	9,590	< 1.50 U
MWD-7	9/13/2017	REG	0.0146	0.00116 J	< 0.0100 U	--	0.0381	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	5,900	10,400	< 1.50 U
MWD-7	3/14/2018	Reg	0.0146	< 0.00400 U	< 0.0100 U	--	0.0393	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	6,080	11,000	< 1.50 U
MWD-7	9/25/2018	REG	0.0158	0.000919 J	< 0.0100 U	--	0.0405	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	--	< 1.50 U	6,740	10,600	--
MWD-7	4/3/2019	REG	0.015	0.00339 J	< 0.0100 U	--	0.0442	--	0.000410 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	3,970	9,440	< 1.50 U
MWD-7	10/3/2019	REG	0.0153	0.00169 J	< 0.0100 U	--	0.0429	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.38 U	< 1.38 U	6,470	9,590	< 1.38 U
MWD-8	4/4/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	< 0.100 U	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	177	540	< 1.50 U
MWD-8	9/13/2017	REG	0.0141	0.000796 J	< 0.0100 U	--	0.0503	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	220	884	< 1.50 U
MWD-8	3/15/2018	Reg	0.0155	0.000951 J	< 0.0100 U	--	0.0498	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	136	663	< 1.50 U
MWD-8	9/25/2018	REG	0.0159	0.000875 J	< 0.0100 U	--	0.0527	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 1.50 U	< 1.50 U	--	< 1.50 U	103	658	--
MWD-8	4/4/2019	REG	0.0171	0.00173 J	< 0.0100 U	--	0.047	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	118 J	933	< 1.50 U
MWD-8	10/3/2019	REG	0.0181	0.00111 J	< 0.0100 U	--	0.0433	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.37 U	< 1.37 U	105	565	< 1.37 U
MWD-9	4/4/2017	REG	< 0.0500 U	< 0.0500 U	--	< 1.00 U	--	0.629	0.0201	< 0.00150 U	< 0.00200 U	< 0.00200 U	< 1.50 U	--	--	< 1.50 U	18,700	33,300	< 1.50 U
MWD-9	4/7/2017	REG	--	--	< 0.0100 U	--	--	--	--	--	--	--	--	--	--	--	--	--	
MWD-9	9/14/2017	REG	0.0172	0.00738	< 0.0100 U	--	0.0675	--	0.0533	0.000670 J	0.00207	0.00218	--	--	< 1.50 U	< 1.50 U	19,300	32,800	< 1.50 U
MWD-9	2/28/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	18,000	21,200	--	
MWD-9	3/19/2018	REG	0.0112	< 0.00400 U	< 0.0100 U	--	4.73	--	1.19	< 0.0100 U	0.00465 J	0.00690 J	--	--	5.62	9.56	635	2,160	3.94
MWD-9	8/8/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	14,700	26,500	--	
MWD-9	8/31/2018	REG	--	--	--	--	--	--	--	--	--	--	--	--	--	15,700	27,800	--	
MWD-9	9/28/2018	REG	0.0207	0.000694	< 0.0100 U	--	0.0705	--	0.0179	< 0.00200 U	< 0.00200 U	0.000930 J	< 1.50 U	< 1.50 U	--	< 1.50 U	16,400	28,100	--
MWD-9	4/4/2019	REG	0.0192	0.00931	0.00760 J	--	0.0717	--	0.0161	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	17,000	28,800	< 1.50 U
MWD-9	10/4/2019	REG	0.0184	0.00569	< 0.0100 U	--	0.0755	--	0.0119 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.33 U	< 1.33 U	15,000	26,800	< 1.33 U
RW-6	4/6/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	0.203 J	--	0.111 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	396	2,040	< 1.50 U
RW-6	9/14/2017	REG	0.0652	0.000638 J	< 0.0100 U	--	1.5	--	3.09	0.0158	0.104	0.0899	--	--	2.91	7.77	337	1,600	4.86
RW-6	3/15/2018	Reg	0.00233	< 0.00400 U	< 0.0100 U	--	0.498	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	< 1.50 U	675	2,540	< 1.50 U
RW-6	9/27/2018	REG	0.00266 J	< 0.00400 U	< 0.0100 U	--	0.713	--	0.000470 J	< 0.00200 U	< 0.00200 U	0.000740 J	< 1.50 U	< 1.50 U	--	< 1.50 U	790	2,150	--
RW-6	4/4/2019	REG	0.00211 J	0.00216 J	< 0.0100 U	--	0.927	--	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	0.00215	--	< 1.50 U	< 1.50 U	715	2,470	< 1.50 U
RW-6	10/4/2019	REG	0.00266 J	0.000681 J	< 0.0100 U	--	1.53	--	0.00988 J	< 0.00200 U	< 0.00200 U	< 0.00200 U	--	--	1.23 J	1.23 J	876	2,360	< 1.38 U
RW-7	4/6/2017	REG	< 0.0500 U	< 0.0500 U	< 0.0100 U	< 1.00 U	--	0.610 J	< 0.00200 U	< 0.00150 U	< 0.00200 U	< 0.00200 U	--	--	< 1.50 U	<			

FIGURES



CITY: SAN RAFAEL, CA DIV/GROUP: ENVCAD DB: J. HARRIS
 C:\Users\Pa104\1BIM_360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice South Gas Plant-Site O&M\2020\30006138\01-DWG\GWM-Fig6-Benzene Fall 2020.dwg LAYOUT: 6 SAVED: 3/9/2020 6:57 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLET: ---- PLOTTED: 3/10/2020 10:42 AM BY: ANJANEYAKUMAR, PAVAN KUMAR

**LEGEND**

- MONITORING WELL
- TARGA'S ONSITE INJECTION WELL
- RECOVERY WELL
- ☒ INACTIVE WATER WELL
- ⊕ OFFSITE PROPERTY WELL (NOT SAMPLED)

BENZENE ISOCONCENTRATION CONTOUR (mg/L; DASHED WHERE INFERRED)

- >0.005
- >0.1
- >1.0

5.96 BENZENE CONCENTRATION/DUPLICATE RESULT IN MILLIGRAMS PER LITER (mg/L)

NS NOT SAMPLED

LNAPL LIGHT NON-AQUEOUS PHASE LIQUID PRESENT

<0.002 U NOT DETECTED ABOVE REPORTING LIMIT

J THE TARGET ANALYTE WAS POSITIVELY IDENTIFIED BELOW THE QUANTITATION LIMIT AND ABOVE THE DETECTION LIMIT

D CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS

† PUMPING WELL

PROPOSED SAMPLING WELL

NOTES:

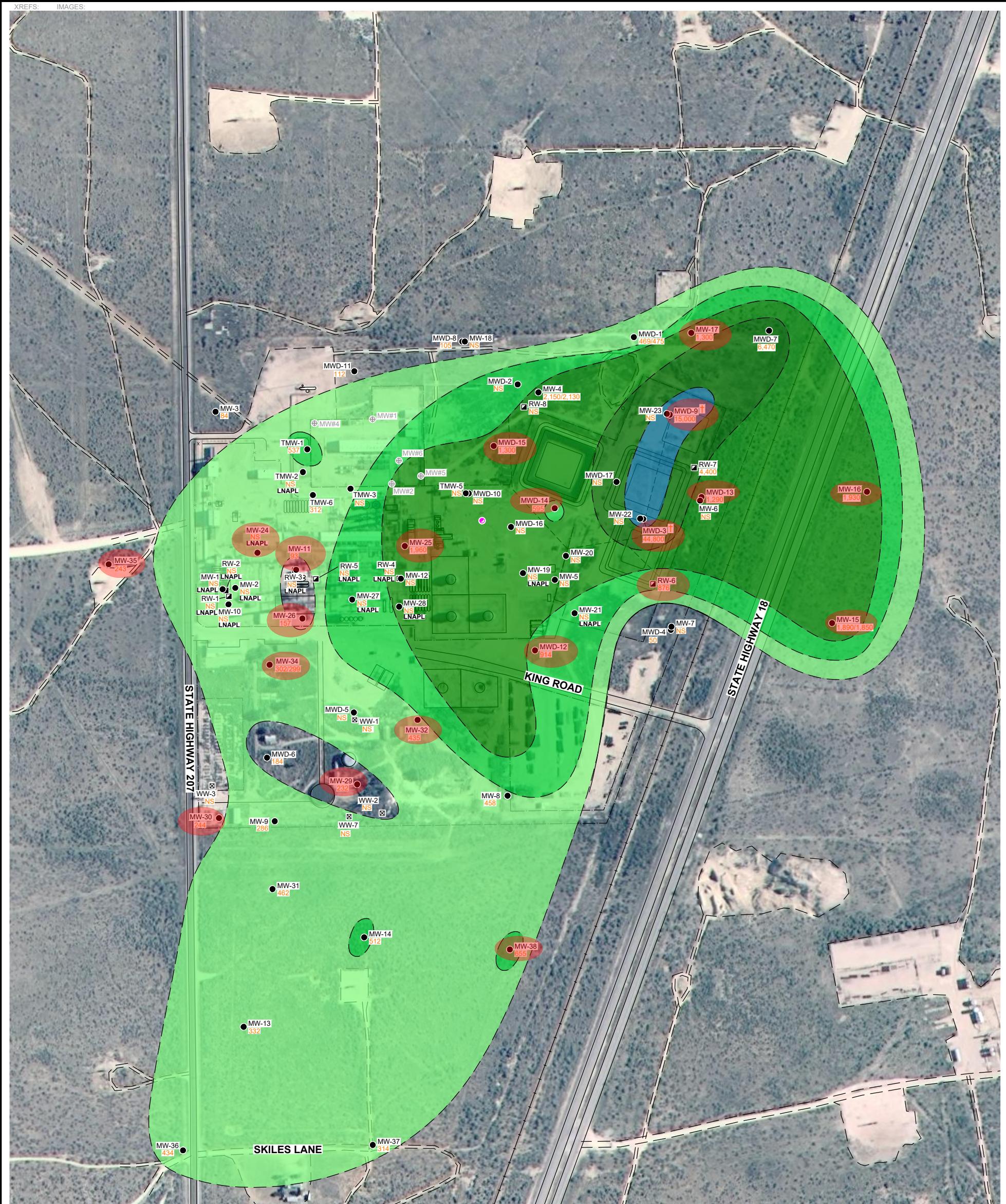
1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA
5. WELLS SAMPLED OCTOBER 2019.
6. ONLY DATA COLLECTED IN 2019 WERE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2018 WHERE CURRENT DATA ARE NOT AVAILABLE.

0 200' 400'
GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

**PROPOSED GROUNDWATER MONITORING
WELL REDUCTION MAP -
FALL 2019 BENZENE**

CITY: SAN RAFAEL, CA DIV/GROUP: ENVCAD DB: J. HARRIS
 C:\Users\Pa104\1BIM_360\Arcadis\ANA - CHEVRON CORPORATION\Project Files\Eunice South Gas Plant-Site O&M\2020\30006138\01-DWG\GWM-Fig8-Chloride Fall 2020.dwg LAYOUT: 8 SAVED: 3/9/2020 7:00 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLET: ---- PLOTTED: 3/10/2020 10:46 AM BY: ANJANEYAKUMAR, PAVAN KUMAR



0 200' 400'
GRAPHIC SCALE

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER EUNICE SOUTH GAS PLANT
EUNICE, LEA COUNTY, NEW MEXICO

**PROPOSED GROUNDWATER MONITORING
WELL REDUCTION MAP -
FALL 2019 CHLORIDE**

ARCADIS Design & Consultancy for natural and built assets

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NOTES:

1. MAP PROJECTED TO NAD83 NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, FEET.
2. AERIAL IMAGERY PROVIDED BY USGS EARTH EXPLORER, ACCESSED APRIL 2016.
3. WELLS SURVEYED 1998, 2000, 2001, 2002, AND 2006 BY PIPER SURVEYING COMPANY. NAD27 NM S.P. EAST, FEET.
4. SITE FEATURES PROVIDED BY CRA.
5. WELLS SAMPLED OCTOBER 2019.
6. ONLY DATA COLLECTED IN 2019 WERE POSTED. CONTOURS ARE BASED ON HISTORICAL DATA DATING BACK TO 2018 WHERE CURRENT DATA ARE NOT AVAILABLE.

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District III
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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 9323

CONDITIONS

Operator: Arcadis U.S., Inc 630 Plaza Drive Highlands Ranch, CO 80129	OGRID: 329073
	Action Number: 9323
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of Proposed Groundwater Monitoring Reduction Workplan: Content satisfactory 1. Sampling Reduction for Non-impacted Monitoring Wells is approved. 2. Sampling Reduction for Stable/Decreasing Impacted Monitoring Wells is approved.	3/20/2023