

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA)
Region 6

**Addendum to the McGaffey and Main Groundwater Plume Five-Year Review Report,
dated September 28, 2017**

A Five-Year Review addendum is generally completed for remedies where the protectiveness determination is deferred until further information is obtained. When deferring protectiveness determinations in the Five-Year Review report, the EPA typically provides a timeframe for when the information will be obtained, and a protectiveness statement can be made. This document provides information regarding progress made at the McGaffey and Main Groundwater Plume Superfund Site (the "Site"), located in Roswell, New Mexico, since the last Five-Year Review report which was issued on September 28, 2017. The 2017 Five-Year Review report did not include protectiveness determinations regarding the remedies that EPA is implementing at the Site, so this addendum now provides the protectiveness determinations which were deferred in the 2017 Five-Year Review report. The contaminants of concern (COC) at the Site (*i.e.*, the contaminants that require remediation) are Tetrachloroethylene (PCE) and Trichloroethylene (TCE).

The Five-Year Review report (2017 FYR) for the Site in Roswell, New Mexico, was signed by Pam Phillips, Acting Superfund Director on September 28, 2017. The protectiveness statement outlined in the 2017 FYR for Source Control Operable Unit (OU01) was as follows:

A protectiveness determination for the remedy at the Site cannot be made at this time until further information is obtained. Further information will be obtained by taking the following actions: 1) As soon as possible, conduct a month-long sampling event for private well residents to submit their well water for testing in the hot spot and groundwater plume area (see Figures 1, 4 and 5). (During this event we will implement a groundwater plume management plan that will ensure that the well owners and users will not be drinking potentially impacted water in the hot spot and groundwater plume area (see Figure 1). This will include a public information campaign to notify well owners and users that well water could potentially be impacted and to notify residents what the safe uses of untested well water may be.) 2) Resample existing monitoring wells, and survey and evaluate the construction details and uses of existing private wells beginning in January 2018. 3) Conduct representative vapor intrusion to indoor air and soil gas sampling in areas where groundwater exceeds the screening levels used in the calculation for COCs by summer 2018.

This addendum addresses the Protectiveness Statement for OU01.

The following table from the 2017 FYR provides the Issues and Recommendations which led to the deferred protectiveness determination.

2017 Issues and Recommendations

Remedial Components: Source Area Groundwater and Groundwater Plume Area	Issue Category: Monitoring			
	Issue: PCE distribution in groundwater is not adequately defined or characterized in a number of areas and aquifer zones.			
	Recommendation: Continue groundwater monitoring and site characterization to adequately define PCE distribution at the site to ensure that proposed RA activities can effectively clean up the plume. At the leading-edge portion of the plume, provide point-of-use GAC units at the wellhead, if necessary.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Support Agency	Milestone Date
Yes	Yes	EPA/State	State	September 2018

Remedial Components: Source Area Groundwater and Groundwater Plume Area	Issue Category: Changed Site Conditions			
	Issue: The groundwater plume has expanded since the 2008 ROD (see Figures 1, 5, and 6). From 2008 to 2015, the leading edge of the plume has expanded about 2200 feet to the southeast.			
	Recommendation: Implement a groundwater plume management plan that will ensure that the well owners and users will not be drinking potentially impacted water. This will include a public information campaign and a month-long water well sampling event in conjunction with the State.			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Support Agency	Milestone Date
Yes	Yes	EPA	EPA	ASAP

Actions Taken to Determine Current Protectiveness for OU01

Public Information Campaign / Private Well Sampling Event

A community information meeting was held by the New Mexico Environment Department (NMED) on January 23, 2018 at the Roswell Adult and Senior Center at 807 North Missouri in Roswell, New Mexico. The EPA was unable to attend the meeting due to a government shutdown. The meeting initiated a public information campaign to notify private well owners and users of well water in and around the groundwater plume, of PCE contamination that may be impacting their drinking water. The 2017 FYR findings indicate the groundwater plume has expanded since the 2008 Record of Decision was completed, with the leading edge expanding approximately 2,200 feet further to the southeast of the dry-cleaning area. In the 2017 FYR, EPA recommended a public information campaign to notify well owners and users of well water that could potentially be impacted. Additionally, EPA recommended that private wells in and around the groundwater plume area should be sampled for the contaminants. NMED has continued to monitor the groundwater near this location and is in the process of identifying additional private wells to sample.

As part of the public information campaign, post cards in bilingual format (English and Spanish) were mailed to 123 addresses within the distal groundwater plume around January 10, 2018 (Attachment 1). The post cards contained a bilingual survey which requested information on private well water usage. Mailers were additionally sent to 1,871 property owners on January 11, 2018 (Attachment 1) that notified the recipients to stop drinking the private well water until it could be tested and found free of contaminants. The NMED received six postcards in response to the survey. Three of the residents had a private well and authorized sampling of their well water.

On March 21, 2018, the NMED and EPA conducted a door-to-door survey of 38 properties in the groundwater plume area to supplement well surveys that were conducted in 2010 and 2012. In addition, the Berrendo Water Co-op provided information on which properties were connected to potable drinking water in the groundwater plume area. The Berrendo Water Co-op drinking water supply was known to be free of PCE and TCE.

Also as part of the public information campaign, on March 22, 2018, the NMED also submitted site documents to the site repository located at the Roswell City Library. In this way, the public was given ready access to these documents.

All residences within city boundaries are connected to city public water system, and, therefore, were not evaluated in this effort. In February of 2020, EPA evaluated all the residential properties (31 residential parcels) within the distal groundwater plume area, located outside of the City of Roswell. At the time of the February 2020 evaluation, EPA identified 27 residential properties that were connected to the Berrendo Water Co-Op; three of the residential

properties did not have a private domestic well, and one residential property has an irrigation well that is sampled annually as part of the monitoring network.

Groundwater Management Plan

The Groundwater Management Plan will define specific roles and responsibilities to:

- Disseminate the annual sampling analytical results to well owners;
- Annually distribute mailouts and door survey handouts; and
- Resurvey private well owners regarding their groundwater usage.

2018 and 2019 Monitoring Well Sampling Events

The monitoring well network includes monitoring wells installed by the NMED and the New Mexico Petroleum Storage Tank Bureau (PSTB), private domestic wells, and private irrigation wells. A recently completed report titled “Groundwater Plume Remedial Design Investigation 2017-2019 Update Report” by AECOM Technical Services, Inc. (AECOM, 2020) provided an update of the wells sampled at the Site. Twenty-four wells were sampled in April and June of 2018. Ninety-eight wells were sampled in June and July of 2019. This was the first comprehensive sampling done for the monitoring well network since sampling was done in 2015 and 2017. The results of this sampling indicate that the PCE and TCE concentrations are increasing as the plume migrates southeasterly.

The 2018 and 2019 groundwater sampling results indicate that PCE was detected in samples from 58 wells at concentrations above the maximum contaminant level (MCL) of 5 µg/L. PCE concentrations ranged from 0.6 µg/L to 5,610 µg/L. PCE was not detected above the laboratory quantitation limit in samples from 32 wells. In 2019, TCE was detected above the MCL in samples from 17 wells. TCE concentrations ranged from 5.5 µg/L to 26.8 µg/L. TCE was not detected at concentrations above the laboratory quantitation limit in samples from 54 wells. Table 1 in this Addendum presents the historical sampling results for PCE and Table 2 presents the historical sampling results for TCE (AECOM, 2020).

Figure 1 presents the 2019 PCE Plume Extent and Figure 2 presents the 2019 TCE Plume Extent (AECOM, 2020). The horizontal extent of the groundwater plume is not clearly defined to either the north (north of the source area), to the west (MW-36), to the east (MW-38, MW-28, MW-26, MW-34, and MW-42), and to the south (AEA-11 and MW-41) (see Figures 1 and 2). Furthermore, the vertical extent of the groundwater plume is also not well defined.

Additionally, a 111-bed Assisted Care Facility (Figure 1) was identified in 2019. This facility is located within the center of the plume between MW-36 (254 µg/L) and MW-

27 (164 µg/L). The plume appears to be defined to the east of this assisted care facility but is not defined north, west, or south of the facility. MW-36 lies approximately 3,000 feet to the northwest and MW-27 lies approximately 2,000 feet to the southeast of the facility.

Vapor Intrusion Sampling

EPA conducted passive soil gas sampling in the source area during November and December of 2019. The source area is where the soil gas concentrations of PCE and TCE are the highest within the Site (greater than 1,000 µg/L for PCE and greater than 6.2 µg/L for TCE). The source area is also where the depth to groundwater is the shallowest, between 47.71 feet and 49.86 feet below ground surface (bgs). These conditions at the source area increase the potential for vapor intrusion. The 2019 soil gas sampling was focused to the north and east of the source area, where a daycare and residential properties are located. Indoor air sampling was not conducted since the passive soil gas sampling results did not indicate that the daycare or residences were impacted by vapor intrusion.

Passive soil gas sampling was not conducted in the distal groundwater plume area. The distal groundwater plume area has lower concentrations of PCE and TCE than the source area. Also, in the distal groundwater plume area, the depth to groundwater is considerably greater than the depth to groundwater in the source area (approximately 65 ft bgs versus 48 ft bgs). However, in the distal groundwater plume area, the risk from exposure to vapor intrusion into the indoor air is unknown.

The EPA's Risk Assessor reviewed the April 2018 groundwater analytical results for PCE and TCE to evaluate the potential for vapor intrusion risk related to water usage. Well locations SM-03, SM-04 and SM-19 were selected for the risk evaluation because the samples from these wells contained the highest PCE concentrations in the distal groundwater plume area. SM-03 contained PCE at 140 µg/L, SM-04 contained PCE at 110 µg/L, and SM-19 contained PCE at 230 µg/L. None of the other June 2018 sampling locations had results that exceeded concentrations at these three locations. In general, the depth to water in the vicinity of SM-03, SM-04, and SM-09 is approximately 62 to 82 feet bgs.

The EPA risk evaluation concluded that there should be no human health concern from the intended uses of these three water wells, which were sampled in April 2018. Specifically, the risk associated with the water wells uses such as irrigation of vegetables, trees, and as swimming pool water were determined to be within EPA's acceptable risk levels. The EPA risk evaluation did find, however, that there was a potential risk of non-cancer health effects from exposure to passive vapor intrusion at the three homes where these wells were located.

The EPA risk evaluation discussed in the preceding paragraph cannot fully assess the risk because EPA does not have well construction data for these three wells. That is, for these

three wells, EPA does not know the depth to water, the screen interval, or the aquifer from which they draw water. Without this information, a potential for vapor intrusion cannot be ruled out.

Additionally, the assisted care facility noted above has not been assessed for potential vapor intrusion because no monitoring wells have been installed in the nearby vicinity of the facility. Wells in proximity to the facility are needed to provide information on the depth to water, lithology, and contaminant concentrations in groundwater.

Current Issues and Recommendations

The Issues and Recommendations identified in the 2017 FYR remain essentially unchanged; although, the work performed since the 2017 FYR has been extensive. The extensive recent studies have indicated where additional work is needed for both groundwater plume delineation and vapor intrusion. Consequently, the ongoing remedial design/remedial design investigation cooperative agreement with NMED will conclude in September 2020 because the conceptual site model that has been developed indicates that it would be premature to develop a remedial design of the distal groundwater plume at this time. A new remedial investigation/feasibility study will begin fourth quarter of 2020

Issues and Recommendations

Issues	Recommendations / Follow-up Actions	Party Responsible	Oversight Agency	Milestone Date	Affects Current Protectiveness (Y/N)	Affects Future Protectiveness (Y/N)
PCE distribution in groundwater is not adequately defined or characterized in a number of areas and aquifer zones.	Perform remedial investigation/feasibility study to redefine conceptual site model, plume extent and remedial alternatives. At the leading-edge portion of the plume, provide point-of-use GAC units at the wellhead, if necessary.	NMED	EPA	December 2023	Yes	Yes
Since time the ROD was issued in 2008, the	Continue the groundwater plume management	NMED	EPA	December 2020	Yes	Yes

Issues	Recommendations / Follow-up Actions	Party Responsible	Oversight Agency	Milestone Date	Affects Current Protectiveness (Y/N)	Affects Future Protectiveness (Y/N)
groundwater plume has expanded into areas where private wells exist.	plan to ensure that private well owners and users will not be drinking potentially impacted water. This will include ongoing annual public information dissemination and an annual monitoring well network sampling event.					
Vapor intrusion into residences is possible in areas of elevated concentrations of PCE and TCE.	Conduct VI sampling around and/or within residences with elevated PCE or TCE and in intensely irrigated areas where PCE/TCE occurs which could induce VI into nearby residences.	NMED	EPA	December 2020	Yes	Yes

Protectiveness Statements

Based on new information and/or actions taken since the Five-Year Review completion date, the protectiveness statement(s) for OU01 remains unchanged, however the recommendations have been updated based on the recent data.

Protectiveness Deferred

A protectiveness determination regarding the remedy at OU01 cannot be made until further information is obtained. Further information will be obtained by taking the following actions:

- EPA will revise the conceptual site model by conducting a new remedial investigation.

- EPA will conduct a new feasibility study, revising and possibly expanding the list of remedial alternatives to be considered.
- EPA will resample the existing well network, including the newly added wells, and EPA will evaluate changing trends in COC concentration levels annually.
- EPA will conduct vapor intrusion sampling at select locations. Initially EPA will focus the vapor intrusion sampling near the following: 1) residences with the highest concentrations of PCE and TCE; and 2) areas employing extensive irrigation, which have the highest concentrations of PCE and TCE.

It is expected that these actions will take approximately two to three years to complete. EPA anticipates that a protectiveness determination will be made in the next Five-Year Review.

Next Five-Year Review

The next five-year review will be completed on September 28, 2022, five years after the signature of the last five-year review report.

WREN STENGER

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Wren Stenger
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 U.S. Environmental Protection Agency Region 6

Figures:

- Figure 1 - 2019 PCE Plume Extent
- Figure 2 – 2019 TCE Plume Extent

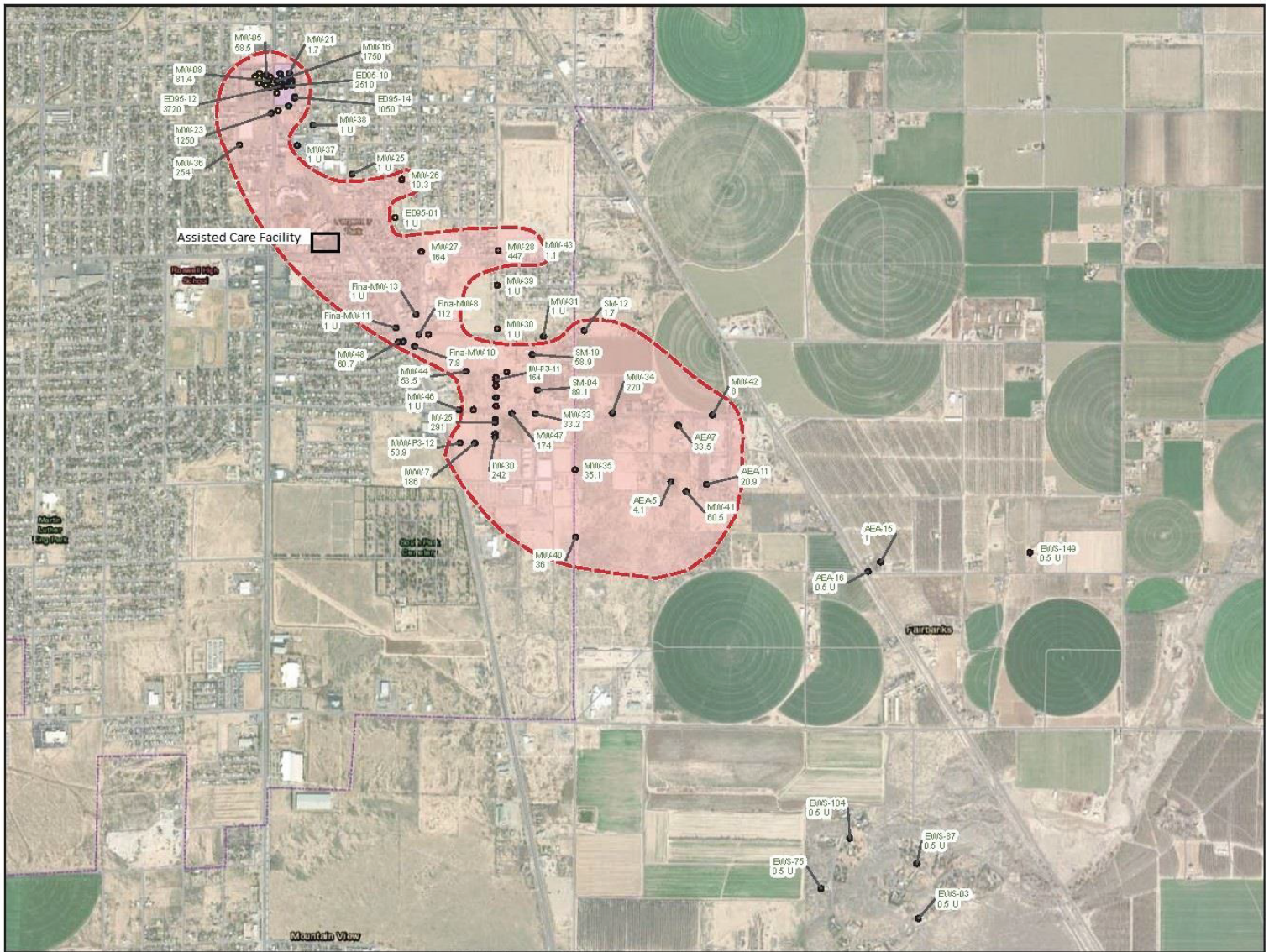
Tables:

- Table 1 – Tetrachloroethylene (PCE) Sampling History
- Table 2 – Trichloroethylene (TCE) Sampling History

Attachments:

- Postcard and Mailer
- Summary Report for McGaffey and Main Passive Soil Gas

Figures



Legend

Aquifer Zone

- P1
- P3
- P5
- P7
- Unknown

--- 2019 PCE Plume Extent (PCE > U)

Source Area

Alluvial Zones P1-P7 (PCE > U)

Roswell City Limits

Roads

Notes:

PCE - Tetrachloroethylene

U - Not detected at laboratory detection limits

All units in µg/L

For clarity, not all well location names are provided



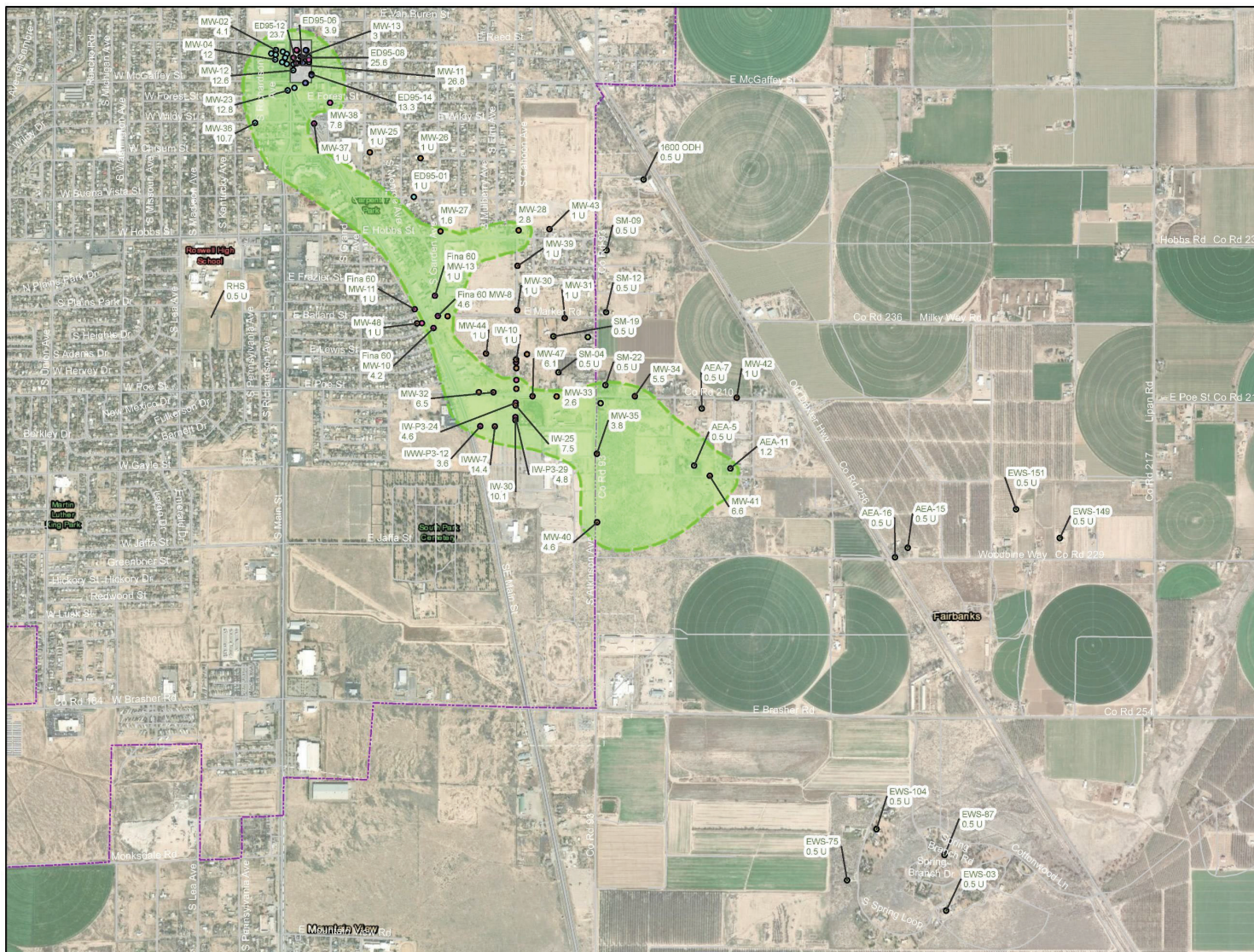
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Scale in Feet



AECOM

Figure 1
2019
PCE Plume Extent



Legend

Zone

- P1
- P3
- P5
- P7
- PRIVATE
- Source Area
- 2019 TCE Plume Extent (TCE > U)
- 2019 TCE Plume (TCE > U)
- Roswell City Limits
- Roads

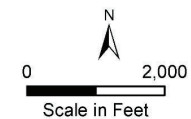
Notes:

TCE - Trichloroethylene

U - Not detected at laboratory detection limits

All units in µg/L

For clarity, not all well location names are provided



AECOM

Figure 2
2019
TCE Plume Extent

Tables

Table 1. Tetrachloroethylene (PCE) Sampling History (µg/L)

Aquifer	WELL ID	Fall 2002	Spring 2003	Fall 2003	Dec. 2004	May 2009	Aug. 2009	Feb. 2010	Mar. 2010	Apr. 2010	Aug. 2010	Oct. 2010	Dec. 2010	Jul. 2011	Aug. 2012	Nov. 2013	Jul. 2014	Dec. 2014	Apr. 2015	Jan. 2017	Feb. 2017	Apr. 2018	Jun. 2018	Jun. 2019	Jul. 2019	
Alluvial Zone P1 – Monitoring Wells	ED95-01	1 U	0.5 U	0.5 U									0.5 U	0.5 U		0.5 U			0.5 U	0.5 U				1 U		
	ED95-02	1 U	0.5 U	0.5 U									0.5 U	0.5 U		0.5 U			0.5 U	0.5 U				1 U		
	ED95-07	10 U	10 J ^A	2 UJ		11.9 B								25 U					12.5 U							
	ED95-08	9270 =	5200 =	5200 =		9800 =							35500 =	30000 =		11000 =			5130 =		4130			5610		
	ED95-09	5.5 =	2.7 =	1.5 =		4350 =	3100 D2							1850 =	980 =		719 =			460 =		24.5			14.4	
	ED95-11	19.1 =	8.3 =	0.5 U										35	35		62.6 =			16.9 =					1.5	
	ED95-13	1 U	0.5 U	0.53 =		2.6 =								1.5	0.44 LJ		0.6 =		0.5 U	0.32 LJ					1 U	
	MW-01													15	17		7.6 =			20.5 =	41				38.8	
	MW-02					145 =								130 =	110 =		164 =			109 =		98.9			138	
	MW-03													18.7 =	32		17.8 =			4 =	5.9 LJ					
	MW-04													3.2 =	21		4.0 =								8.5	
	MW-05					129 =								68.4 =	53.8 =		18.3 =			61.3 =	46				58.5	
	MW-06					5.9 K								8.4 =	13.7 =		13.6 =			3.8 FB		3.3			4.3	
	MW-07													74.5 =	52.2 =		47.4 =			23.7 =						
	MW-08													212 =	182 =					18.4 =		104			81.4	
	MW-09	712 =	470 =	96.8 =										13.5 =	20		25.6 =			6.3 =					11.4	
	MW-10	4480 =	3800 =	5320 =		5320 =								2820 =	2950 =		4530 =			2130 =		930	26		669	
	MW-11	7410 =	3600 =	5830 =										22000 =	15600 =		10400 =			3910 =	0.5 U	2170			1220	
	MW-12	3350 =	670 =	4540 =		3600 =								7160 =	7400 =		3030 =			1600 =	0.5 U	470	1.9		764	
	MW-13	4750 =	2300 =	4250 =										11100 =	5180 =		6380 =			2520 =	0.5 U	2390			476	
MW-14	3300 =	2300 =	2520 =										50100 =	35000 =		19700 =			13600 =		2270			841		
MW-23		14 =	2460 =	19000 =	1560 J								870 =	894 =		572 =			788 =		1030			1250		
MW-24		0.5 U	0.5 U										0.5 U	0.5 U		0.5 U			0.5 U	0.5 U				1 U		
MW-36										350 =			570 =	598 =		500 =			209 =		351			254		
Alluvial Zone P3 – Monitoring Wells and Injection Wells	ED95-04	9430 =	5300 =	8950 =									5500 =	4590 =		2700 =			2640 =		2580			1730		
	ED95-05	1370 =	1300 =	1340 =									1900 =	1880 =		737 =			691 =		686			572		
	ED95-06	2200 =	2100 J	3570 =									2920 =	1720 =		1440 =			1280 =		1680			1480		
	ED95-10	5420 =	8200 =	8200 =		5580 =							3260 =	3960 =		2880 =			2120 =		2200			2510		
	ED95-12	8040 =		8280 =									4660 =	9450 =		7890 =			5640 =		3840			3720		
	ED95-14	538 =	2600 =	1040 =		206 =							338 =	801 =		385 =			484 =		347			1050		
	MW-15	5 UJ	5 =	2 U		0.8 B							5 U	1 U		0.5 U			0.5 U	2.5 U				1 U		
	MW-16	15700 J-	14700 =	13800 =		6770 =								6010 =	4390 =		7510 =			3830 =		3310			1750	
	MW-17	964 J-	1100 =	1050 =										340 =	410 =		265 =			350 =					232	
	MW-18	1570 =	930 =	1390 =		398 =								394 =			307 =			116 =		51.3			5610	
	MW-37										1 U			0.5 U	0.5 U		0.5 U			0.5 U	0.5 U				1 U	
MW-38										1 U			0.5 U	0.5 U		0.5 U			0.5 U	0.5 U				1 U		
IW-P3-11																	166 =	160 =	187 =		156			164		

Table 1. Tetrachloroethylene (PCE) Sampling History (µg/L)

Acquifer	WELL ID	Fall 2002	Spring 2003	Fall 2003	Dec. 2004	May 2009	Aug. 2009	Feb. 2010	Mar. 2010	Apr. 2010	Aug. 2010	Oct. 2010	Dec. 2010	Jul. 2011	Aug. 2012	Nov. 2013	Jul. 2014	Dec. 2014	Apr. 2015	Jan. 2017	Feb. 2017	Apr. 2018	Jun. 2018	Jun. 2019	Jul. 2019		
	IW-P3-17																173 =	150 =	159 =		226			221			
	IW-P3-24																	198 =	210 =	206 =		331			219		
	IW-P3-29																	122 =	100 =	174 =		159			156		
	IWW-P3-12																	64.1 =	66 =	107 =		54.1			53.9		
Alluvial Zone P5 – Monitoring Wells	MW-19	1 UJ	0.5 U	0.5 U									0.5 U	0.5 U		0.5 U			0.5 U	0.5 U					1 U		
	MW-20	1 UJ	0.18 LJ	0.5 U									0.5 U	0.5 U		0.5 U			0.5 U	0.5 U					1 U		
	MW-21	1 UJ	0.5 U	0.5 U									2.1 =	3.4		8.3 =			8 =	12					1.7		
	MW-22	1 UJ	3.8 =	0.5 U									2.4 =	0.5 U		0.5 U			0.5 U	0.5 U					1 U		
Alluvial Zone P7 – Monitoring Wells and Injection Wells*	MW-25		0.5 U	0.5 U	0.5 J							0.5 U		0.5 U		0.5 U			2.6 =	0.5 U	0.5 U				1 U		
	MW-26		12 =	17 =	42 =	30 =						29.2 =		26		18.1 =			15.7 =	19					10.3		
	MW-27		100 =	236 =	210 =	185 =						276 =		158 =		235 =	193 =	160 =	201 =		172				164		
	MW-28		13 =	620 =	890 =	653 =			143 =				550 =	539 =		667 =	602 D	510 =	668 =		660				447		
	MW-29		82 =	9.8 =	23 =							96.4 =		113 =		135 =	212 =	45 =	258 =		54.7				230		
	MW-30		0.5 U	0.5 U	0.5 U							0.5 U		0.5 U		0.5 U			0.5 U	0.5 U					1 U		
	MW-31		0.5 U	0.5 U	0.5 U							0.5 U		0.5 U		0.5 U			0.5 U	0.5 U					1 U		
	MW-32		25 =	24 J	23 B	249 =	360 D2						196 =	286 =		310 =	341 =	240 =	328 =		274					386	
	MW-33		5.3 =	7.9 =	12 B								17 =	27		25.1 =	24.9 =	28 =	31.5 =	34						33.2	
	MW-34		8 =	28 =	20 B	66.2 =							43	30		50.0 =			51.4 =		50.5 FB					220	
	MW-35		12 =	8 =	8.8 B								12.9 =	13		15.5 =			25 =	52						35.1	
	MW-39								0.0924 U		0.5 U			0.4 LJ	0.5 U		0.5 U		0.5 U	0.5 U						1 U	
	MW-40						64.6 =				4.6 =		5.5 =		7.2		13.7 =		18.5 =	35						36	
	MW-41										24 =		42 =		22		38.9 =		37.4 =		38.6					60.5	
	MW-42										4.4 =		5.2 =		7.3		3.1 =		5.9 =	9						6	
	MW-43																	2.0 U	0.74 =	2.0 U		2 U				1.1	
	MW-44																	34.3 =	36 =	31.8 =		33.2				53.5	
	MW-45																	2.0 U	0.59 =	0.5 U	32					2.2	
	MW-46																	2.0 U	0.41 =		0.21 LJ					1 U	
	MW-47																	130 =	150 =	163 =		163				174	
	MW-48																	46.3 =	49 =	59.8 =		55.1				60.7	
	IW-10																	14.8 =	20 =	15.3 =		17				18.8	
	IW-13																	15.4 =	20 =	14.8 =		18.7				40.6	
IW-18																											
IW-19																											
IW-20																		75.7 =	29 =	70.4 =		24.4			105		
IW-21																											
IW-22																		190 =									
IW-23																											

Table 1. Tetrachloroethylene (PCE) Sampling History (µg/L)

Aquifer	WELL ID	Fall 2002	Spring 2003	Fall 2003	Dec. 2004	May 2009	Aug. 2009	Feb. 2010	Mar. 2010	Apr. 2010	Aug. 2010	Oct. 2010	Dec. 2010	Jul. 2011	Aug. 2012	Nov. 2013	Jul. 2014	Dec. 2014	Apr. 2015	Jan. 2017	Feb. 2017	Apr. 2018	Jun. 2018	Jun. 2019	Jul. 2019	
	IW-25																238 =	220 =	247 =		229			291		
	IW-28																									
	IW-30																	246 =	260=	200 =		251			242	
	IWW-7																	158 =	150=	145 =		144			186	
	P7-1							8.52 =			13 =															
	ED95-03*	1 U	2.8 =	0.5 U									0.5 U	3.6		4.5 =			3.6 =	0.31 LJ				1 U		
Domestic, Irrigation and PSTB Wells – Shallow, Artesian and Unidentified Zones	1600 ODH															0.5U			0.5 U			0.5 U			0.5 U	
	AEA-11													40	39D	29.7 =						27				20.9
	AEA-15													0.5 U					0.5 U						1 U	
	AEA-16													0.43 LJ	0.48 J				0.5 U				0.85		0.5 U	
	AEA5												1.4									6.4			4.1	
	AEA7												70			29.4 =			23.2 =	18		23			33.5	
	EWS-03														0.5 U	0.5 U			0.5 U	0.5 U		0.5 U			0.5 U	
	EWS-104														0.38 J				0.5 U	0.34 LJ		0.48 LJ			0.5 U	
	EWS-110														1.3											
	EWS-136														1.2	0.8 =										
	EWS-13A														0.31 J				0.5 U					0.28		0.6
	EWS-13B														0.96				1 =					0.51		0.5 U
	EWS-13C														0.35 J	0.5 U			0.5 U					0.29		0.5 U
	EWS-143														0.5 U				0.5 U							
	EWS-145														0.5 U				0.5 U							
	EWS-149														0.5 U	0.5 U			0.5 U	0.5 U		0.5 U				0.5 U
	EWS-151														0.5 U							0.5 U				0.5 U
	EWS-165														0.5 U											
	EWS-20														0.29 J	0.5 U							0.53			
	EWS-21														0.16 J											
	EWS-22														0.41 J											
	EWS-75														0.14 J	0.5 U			0.5 U	0.5 U			0.24 LJ			0.5 U
	EWS-87														0.26 J				0.5 U	0.42 LJ		0.5 U				0.5 U
		FINA 60 MW-10										0.9 =		11 =	2.7		2.5 =	11.8 =	0.98=	109 =		119			7.8	
		FINA 60 MW-8										0.7 =		75 =	2.4		202 =	154 =	490=	210 =		171			112	
		FINA 60 MW-11																2.0 U	0.15U	0.5 U					1 U	
		FINA 60 MW-12																2.0 U	0.3U	0.5 U					1 U	
		FINA 60 MW-13																2.0 U	0.3U	0.5 U					1 U	
		RHS															0.5 U			0.5 U	0.5 U					0.5 U
		SM-01	4 U																							
	SM-03																					140			150	

Table 1. Tetrachloroethylene (PCE) Sampling History (µg/L)

Aquifer	WELL ID	Fall 2002	Spring 2003	Fall 2003	Dec. 2004	May 2009	Aug. 2009	Feb. 2010	Mar. 2010	Apr. 2010	Aug. 2010	Oct. 2010	Dec. 2010	Jul. 2011	Aug. 2012	Nov. 2013	Jul. 2014	Dec. 2014	Apr. 2015	Jan. 2017	Feb. 2017	Apr. 2018	Jun. 2018	Jun. 2019	Jul. 2019
	SM-04	214 J											30	82	89 E	49.8 =			74.1 =	73		110			89.1
	SM-05	147 =				133 =																			
	SM-09										0.5U					0.5U						0.22 LJ			0.5 U
	SM-10																					16			20.2
	SM-11	3 U																							
	SM-12												1.4						1.4 =	1.6		1.9			1.7
	SM-14	2.5 =				2.1 FB																			
	SM-15	3 U																							
	SM-16	3 U																							
	SM-17	10.6 =																							
	SM-19	9 U											0.66						48.7 =	1.2		230			58.9
	SM-20																					44			52.4
	SM-22	2 U				1.4 B							0.5 U						0.5 U						0.5 U

Blank cells - not sampled
Result exceeds NMWQCC standard of 5µg/L
Artesian aquifer wells

* Note - ED95-03 is designated as Zone I6

µg/L = micrograms per liter

ID = Identification

NMWQCC = New Mexico Water Quality Control Commission

Lab Qualifiers:

"=" - Analytical result valid with no quality control qualifiers

"D" - Analytical result is from sample dilution

"E" - Analytical result exceeds calibration range

"J" - Analytical result is estimated

"LJ" - Analytical result is estimated and is below reporting quantitation limit

"U" - Analyte not detected above quantitation limit

"R" - Result rejected due to quality control problem

"U" - Analyte not detected above quantitation limit but this non-detect result is not recommended for use

"J-" - not defined

"J ^" - not defined

"Jv" - not defined

Table 2. Trichloroethylene (TCE) Sampling History (µg/L)

Aquifer	WELL ID	Fall 2002	Spring 2003	Fall 2003	Dec. 2004	May 2009	Aug. 2009	Feb. 2010	Mar. 2010	Apr. 2010	Aug. 2010	Oct. 2010	Dec. 2010	Jul. 2011	Aug. 2012	Nov. 2013	Jul. 2014	Dec. 2014	Apr. 2015	Jan. 2017	Feb. 2017	Apr. 2018	Jun. 2018	Jun. 2019	Jul. 2019		
Alluvial Zone P1 – Monitoring Wells	ED95-01	1 U	0.5 U	0.5 U									0.5 U	0.5 U		0.5 U			0.5 U	0.5 U					1 U		
	ED95-02	1 U	0.5 UJv	0.5 U									0.5 U	0.5 U		0.5 U			0.5 U	0.5 U					1 U		
	ED95-07	10 U	0.5 U	2 UJ		16.6 =								16 LJ					12.5 U								
	ED95-08	24.1 =	8 J	25.7 =		31.7 =							74.2 =	62 =		46.6 =			16.9 =		14.8				25.6		
	ED95-09	1 U	1.3 =	0.3 LJ		13.8 =	15 =						4.9 =	3.9 =		3.6 =			2.0 U		2 U				1 U		
	ED95-11	1 U	0.26 LJv	0.5 U										1.2 =	1.8 =		1.5 =		2.0 U						1 U		
	ED95-13	2.2 =	0.5 U	0.38 LJ		1.5 =								0.73 =	0.4 LJ		1.1 =		0.5 U	0.49 LJ					1 U		
	MW-01													6.5	2.2		1.0 =		1.8 =	2.3						2.9	
	MW-02					1.7 =								4.2	2 U		2.9 =		2.4 =		2.9					4.1	
	MW-03													29 =	61		44.2 =		5.7 =	12							
	MW-04													27.6 =	38		2.5 U									12	
	MW-05					1.9 =								1.1 =	2 U		2.0 U		2.6 =	0.54						1 U	
	MW-06					115 =								130 =	118 =		42.4 =		8.0 =		3.3					4.6	
	MW-07													1 U	2 U		2.0 U		2.0 U								
	MW-08													1.9 =	2 U				2.0 U		5					4.3	
	MW-09		15.7 =	8.9 =	2 U									1.4 =	3		3.7 =		2.0 U							1.5	
	MW-10		18 =	24 =	21.4 =		13.3 K							8.5 =	7.6 =		8.0 =		4.4 =		2.2	1.8				2.1	
	MW-11		98.9 =	140 J	730 =									84.8 =	57.4 =		135 =		61.6 =	0.5 U	52.1					26.8	
	MW-12		1.9 =	20 =	428 =		24.9 =							28.6 =	30.7 =		22.6 =		30.8 =	0.5 U	4.5	0.5 U				12.6	
	MW-13		5.2 J-	6.8 =	4.9 =									48.8 =	20.9 =		33.4 =		14.6 =	0.5 U	12					3	
MW-14		42.8 =	12 J^	34 =									159 =	98.4 =		68.3 =		37.9 =		9					4.1		
MW-23			15 J	14.3 =	16 =	18.9 =							16.6 =	12.1 =		13.5 =		20.8 =		14.1					12.8		
MW-24			0.5 U	0.5 U									0.5 U	0.5 U		0.5 U		0.5 U	0.5 U						1 U		
MW-36										14 =			12.8 =	13.4 =		14.2 =		6.9 =		11.1					10.7		
Alluvial Zone P3 – Monitoring Wells and Injection Wells	ED95-04	23.8 =	22 Jv	20.4 =									11.6 =	14.3 =		19.4 =		5.8 =		7.9					6.2		
	ED95-05	45.2 =	2.5 Jv	3.7 =									4.6 =	4.3 =		4.0 U		2.4 =		2.6					3.3		
	ED95-06	5.3 =	4.9 =	12.9 =										4.5 =	3.1 =		20.0 U		3.1 =		3.6				3.9		
	ED95-10	14.2 =	16 J	13.7 =		10.2 =								8 =	6.8 =		8.5 =		4.6 =		5.5				5		
	ED95-12	71.6 =	52 J	42.6 =										24.5 =	22.3 =		28.4 =		20.5 =		22.9					23.7	
	ED95-14	8.4 =	15 =	13.8 =		6.1 =								5.7 =	13.9 =		16.0 =		10.9 =		8.6					13.3	
	MW-15	5 UJ	0.5 U	2 U		2.2 =								5 U	1 U		0.5 U		0.5 U	2.5 U					1 U		
	MW-16	21.6 J-	27 =	23.4 J		21 =								11.4 =	10.3 =		9.1 =		6.5 =		5.5					2.6	
	MW-17	3.2 J-	5.2 Jv	6.1 =										2.3 =	3.2 =		2.0 U		2.0 U							1.2	
	MW-18	12.8 J-	9 J^	12 =		5.7 =								4.3 =			2.6 =		2.0 U		2 U					25.6	
	MW-37										1 U			0.5 U	0.5 U		0.5 U		0.5 U	0.5 U						1 U	
	MW-38										7.6 =			4.4 =	5.8		3.4 =		2.6 =	4.4						7.8	
	IW-P3-11																	2.0 U	0.3 =	2.0 U		2 U				1 U	
IW-P3-17																	2.0 U	0.47 =	2.0 U		2 U				1.5		

Table 2. Trichloroethylene (TCE) Sampling History (µg/L)

Aquifer	WELL ID	Fall 2002	Spring 2003	Fall 2003	Dec. 2004	May 2009	Aug. 2009	Feb. 2010	Mar. 2010	Apr. 2010	Aug. 2010	Oct. 2010	Dec. 2010	Jul. 2011	Aug. 2012	Nov. 2013	Jul. 2014	Dec. 2014	Apr. 2015	Jan. 2017	Feb. 2017	Apr. 2018	Jun. 2018	Jun. 2019	Jul. 2019	
	IW-P3-24																4.9 =	5 =	4.3 =		4.6			4.6		
	IW-P3-29																5.6 =	6.9 =	4.9 =		4.6			4.8		
	IWW-P3-12																5.3 =	5.5 =	6.2 =		3.4			3.6		
Alluvial Zone P5 — Monitoring Wells	MW-19	1 UJ	0.5 U	0.5 U									0.5 U	0.5 U		0.5 U			0.5 U	0.5 U				1 U		
	MW-20	1 UJ	0.5 U	0.5 U									0.5 U	0.5 U		0.5 U			0.5 U	0.5 U				1 U		
	MW-21	1 UJ	0.5 U	0.5 U									0.5 U	0.5 U		0.5 U			0.5 U	0.22 LJ				1 U		
	MW-22	1 UJ	0.5 U	0.5 U									4.6 =	0.5 U		0.5 U			0.5 U	0.5 U				1 U		
Alluvial Zone P7 — Monitoring Wells and Injection Wells*	MW-25		0.5 U	0.5 U	0.5 U							0.5 U		0.5 U		0.5 U			0.5 U	0.5 U				1 U		
	MW-26		0.5 U	0.2 LJ	1 U	0.5 U						0.5 U		2 U*		0.5 U			0.5 U	0.2 LJ				1 U		
	MW-27		0.63 =	2 U	5 U	0.5 =						0.5 U		2 U		2.0 U	2.0 U	0.71 =	2.0 U		2 U			1.6		
	MW-28		1.6 =	2 U	2.1 LJ	1.8 =			1.35 =				1.8 =	2 U		4.0 U	2.0 =	2 =	2.0 U		2.1			2.8		
	MW-29		0.5 U	0.5 U	0.5 U							0.5 U		2 U		2.0 U	2.0 U	0.15 U	2.0 U		2 U			1.4		
	MW-30		0.18 LJ	0.5 U	0.5 U								0.5 U	0.5 U		0.5 U			0.5 U	0.5 U				1 U		
	MW-31		0.5 U	0.5 U	0.5 U								0.5 U	0.5 U		0.5 U			0.5 U	0.5 U				1 U		
	MW-32		5 =	15 =	6.3 =	24 =	20 =						10 =	6.3 =		6.2 =	4.6 =	5 =	4.4 =		5.1			6.5		
	MW-33		0.49 LJ	1.6 =	1.5 =								2.1 =	3.1 *		2.8 =	2.7 =	2.7 =	3 =	3.5				2.6		
	MW-34		1.4 =	5.2 =	3.1 =	8.5 =							6.9	6.8		4.3 =			3.8 =		3.1			5.5		
	MW-35		0.42 LJ	0.64 =	0.61 =								0.6 =	0.51		2.0 =			3.5 =	5.9				3.8		
	MW-39								0.0812 U		0.5 U			0.5 U	0.5 U	0.5 U			0.5 U	0.5 U				1 U		
	MW-40					8.5 =					0.5 U		0.5 U		0.61		2.8 =		3.6 =	5.3				4.6		
	MW-41										5.7 =		7.9 =		8		8.1 =		7.1 =		6			6.6		
	MW-42										0.5 U		0.5 U		0.5 U		0.5 U		0.5 U	0.3 LJ				1 U		
	MW-43																2.0 U	0.15 U	2.0 U		2 U			1 U		
	MW-44																2.0 U	0.15 U	2.0 U		2 U			1 U		
	MW-45																2.0 U	0.15 U	0.5 U	5.5				1 U		
	MW-46																2.0 U	0.15 U		0.12 LJ				1 U		
	MW-47																7.8 =	8.4 =	7.1 =		5.6			6.1		
	MW-48																2.0 U	0.15 U	2.0 U		2 U			1 U		
	IW-10																2.0 U	0.15 U	2.0 U		2 U			1 U		
	IW-13																2.0 U	0.15 U	2.0 U		2 U			1 U		
	IW-18																									
	IW-19																									
	IW-20																2.8 =	3.6 =	2.6 =		3.3			2.8		
	IW-21																									
	IW-22																		10 =							
IW-23																										
IW-25																	7.4 =	8.1 =	6.9 =		6.2			7.5		
IW-28																										

Table 2. Trichloroethylene (TCE) Sampling History (µg/L)

Aquifer	WELL ID	Fall 2002	Spring 2003	Fall 2003	Dec. 2004	May 2009	Aug. 2009	Feb. 2010	Mar. 2010	Apr. 2010	Aug. 2010	Oct. 2010	Dec. 2010	Jul. 2011	Aug. 2012	Nov. 2013	Jul. 2014	Dec. 2014	Apr. 2015	Jan. 2017	Feb. 2017	Apr. 2018	Jun. 2018	Jun. 2019	Jul. 2019	
	IW-30																7.5 =	7.3 =	6.4 =		6.7			10.1		
	IWW-7																11.2 =	13 =	11.3 =		12			14.4		
	P7-1							2.38 =		0.65 =																
	ED95-03*	1.4 =	0.45 LJ	0.5 U									0.5 U	4.4		1.4 =			2.1 =	2.4				1.1		
Domestic, Irrigation and PSTB Wells – Shallow, Artesian and Unidentified Zones	1600 ODH															0.5 U			0.5 U			0.5 U			0.5 U	
	AEA-11													5.8 J	4.1	2.3 =						1.9			1.2	
	AEA-15													0.5 U					0.5 U						0.5 U	
	AEA-16													0.5 U	0.5 U				0.5 U				0.27 U		0.5 U	
	AEA5												0.5 U									0.64			0.5 U	
	AEA7													5 U *		0.5 U			0.5 U	0.5 U		0.5 U			0.5 U	
	EWS-03														0.5 U	0.5 U			0.5 U	0.5 U		0.5 U			0.5 U	
	EWS-104														0.5 U				0.5 U	0.5 U		0.5 U			0.5 U	
	EWS-110														0.5 U											
	EWS-136														0.087 J	0.5 U										
	EWS-13A														0.089 J				0.5 U					0.27 U		0.5 U
	EWS-13B														0.45 J				0.5 U					0.27 U		0.5 U
	EWS-13C														0.12 J	0.5 U			0.5 U					0.27 U		0.5 U
	EWS-143														0.5 U				0.5 U							
	EWS-145														0.5 U				0.5 U							
	EWS-149														0.5 U	0.5 U			0.5 U	0.5 U			0.5 U			0.5 U
	EWS-151														0.5 U								0.5 U			0.5 U
	EWS-165														0.5 U											
	EWS-20														0.5 U	0.5 U							0.5 U			
	EWS-21														0.5 U											
	EWS-22														0.5 U											
	EWS-75														0.5 U	0.5 U			0.5 U	0.5 U			0.5 U			0.5 U
	EWS-87														0.5 U				0.5 U	0.5 U			0.5 U			0.5 U
	FINA 60 MW-10											24.3 =		23	33		7.5 =	15.5 =	0.32 =	38.6 =		11.8			4.2	
	FINA 60 MW-8											0.5 U		10	2.1		14.8 =	28.4 =	24 =	26.5 =		8.1			4.8	
	FINA 60 MW-11																	2.0 U	0.15 U	0.5 U					1 U	
FINA 60 MW-12																	2.0 U	0.3 U	0.5 U					1 U		
FINA 60 MW-13																	2.0 U	0.3 U	0.5 U					1 U		
M&M NLSO																							0.27 U			
RHS																0.5 U		0.5 U	0.5 U						0.5 U	
SM-01	1.6 =																									
SM-03																						0.49 J			0.5 U	
SM-04	6.2 =												2.5 U *	0.8	0.55	0.5 U		0.5 U	0.18 LJ		0.31 LJ				0.5 U	
SM-05	3.2 =					1.3 =																				

Table 2. Trichloroethylene (TCE) Sampling History (µg/L)

Aquifer	WELL ID	Fall 2002	Spring 2003	Fall 2003	Dec. 2004	May 2009	Aug. 2009	Feb. 2010	Mar. 2010	Apr. 2010	Aug. 2010	Oct. 2010	Dec. 2010	Jul. 2011	Aug. 2012	Nov. 2013	Jul. 2014	Dec. 2014	Apr. 2015	Jan. 2017	Feb. 2017	Apr. 2018	Jun. 2018	Jun. 2019	Jul. 2019			
	SM-09										0.5 U					0.5 U									0.5 U			0.5 U
	SM-10																											0.5 U
	SM-11	1 U																										
	SM-12												0.5 U			0.5 U			0.5 U	0.5 U								0.5 U
	SM-14	1 U				0.5 U																						
	SM-15	1 U																										
	SM-16	1 U																										
	SM-17	2.4 =																										
	SM-19	1 U											0.5 U			0.5 U			0.5 U	0.5 U			0.55				0.5 U	
	SM-20																						0.5 U				0.5 U	
	SM-22	1 U				0.5 U							0.5 U						0.5 U								0.5 U	

Blank cells - not sampled
Result exceeds NMWQCC standard of 5 µg/L
Artesian aquifer wells

* Note - ED95-03 is designated as Zone I6

µg/L = micrograms per liter

ID = Identification

NMWQCC = New Mexico Water Quality Control Commission

PSTB = Petroleum Storage Tank Bureau

Lab Qualifiers:

"=" - Analytical result valid with no QC qualifiers

"D" - Analytical result is from sample dilution

"E" - Analytical result exceeds calibration range

"J" - Analytical result is estimated

"LJ" - Analytical result is estimated and is below reporting quantitation limit

"U" - Analyte not detected above quantitation limit

"R" - Result rejected due to QC problem

"U'" - Analyte not detected above quantitation limit but this non-detect result is not recommended for use

"J-" - not defined

"J ^" - not defined

"Jv" - not defined

Attachments

Community Postcard

New Mexico Environment Department Ground Water Quality Bureau Survey	Departamento del Medio Ambiente de Nuevo Mexico Encuesta del Oficina de Calidad del Agua Subterránea
Address:	Dirección:
Is there a private well at this address? <input type="checkbox"/> Yes <input type="checkbox"/> No	¿Hay un pozo de agua subterránea privado en esta dirección? <input type="checkbox"/> Si <input type="checkbox"/> No
If yes, what is the name of the well owner?	En caso afirmativo, ¿cuál es el nombre del propietario?
What is the well used for? <input type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Other:	¿Para qué sirve el pozo de agua subterránea? <input type="checkbox"/> Uso doméstico <input type="checkbox"/> Irrigación <input type="checkbox"/> Otro:
May NMED sample the well? <input type="checkbox"/> Yes <input type="checkbox"/> No	¿Puede la NMED tomar muestras del pozo? <input type="checkbox"/> Si <input type="checkbox"/> No
Who can NMED contact to obtain a sample?	¿A quién debe contactar la NMED para obtener una muestra?
Contact's phone number:	Número de teléfono del contacto:

**Martyne Kieling
New Mexico Environment Dept
Ground Water Quality Bureau
PO Box 5469
Santa Fe, New Mexico 87502**

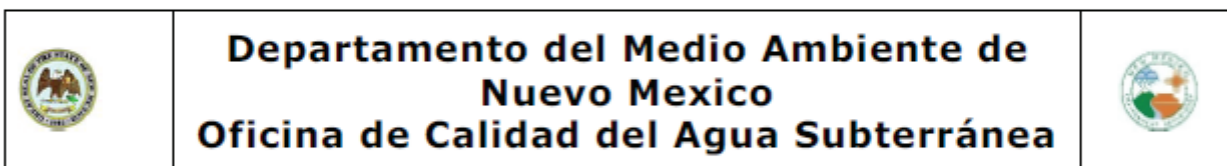
Community Mailer



Since 1994, chlorinated solvents, including tetrachloroethene (PCE) and trichloroethene (TCE), have been detected in private ground water wells associated with the McGaffey and Main Groundwater Plume Superfund site. **If you have received this postcard at an address where a private well is located, please stop drinking the well water until it is tested and found to be free of contaminants that exceed standards established under the Safe Drinking Water Act.** The New Mexico Environment Department (NMED) has continued to monitor the ground water near this location and is in the process of identifying additional private wells to sample in the near future. Residents will receive copies of the analytical results for samples taken from their well at no expense.

EPA will hold a public meeting about the McGaffey and Main Superfund Site on Tuesday, January 23rd, 2018 at 6pm to 7:30pm at the Roswell Adult & Recreation Center, 807 N Missouri, Roswell, NM.

NMED is requesting your assistance by answering the questions on the postcard and returning the card if you have a well or not. Please return this card to the NMED by **January 18, 2018**. If you have questions, please call Martyne Kieling at 505-827-2340. Thank you for your assistance.




Desde 1994, solventes clorados, como tricloroetileno (TCE, por sus siglas en inglés), Tetracloroeteno (PCE, por sus siglas en inglés) se han detectado en los pozos de agua subterránea privados y asociados con el Sitio Contaminado McGaffey and Main Groundwater Plume, Superfund Site. **Si usted recibió esta postal a una dirección donde se encuentra un pozo de agua privado, por favor deje de beber el agua hasta que sea analizada y se compruebe que está libre de contaminantes que excedan las normas establecidas en la Ley de Agua Potable Segura.** El Departamento del Medio Ambiente de Nuevo México (NMED, por sus siglas en inglés) ha seguido monitoreando el agua subterránea cerca de este lugar y está en proceso de identificación de pozos privados adicionales para tomar muestras en un futuro cercano. Los residentes recibirán copias de los resultados analíticos de las muestras tomadas de su pozo sin costo alguno.

La EPA llevará acabo una reunión pública donde se dará una actualización sobre el Sitio Contaminado McGaffey and Main Groundwater Plume, Superfund Site, el martes, 23 de enero de 2018, de 6:00 pm a 7:30 pm en el Centro de Recreación para Adultos de Roswell, ubicado en el 807 N Missouri, Roswell, NM.

NMED está solicitando su asistencia y le pide responda las preguntas que se encuentran en la tarjeta postal y devolverla si tiene o no un pozo de agua subterránea. Por favor devuelva esta tarjeta al NMED a más tardar el 18 de enero de 2018. Si usted tiene preguntas, llame a Martyne Kieling al 505-827-2340. Gracias por su ayuda.

Community Meeting Invitation

<p>You are invited to a McGaffey & Main Ground Water Plume Superfund Site Community Meeting</p>		<p>Esta usted invitado a una Reunión Publica Sitio Contaminado "McGaffey & Main Ground Water Plume Superfund Site"</p>
<p>EPA will hold a Community Meeting on current activities at the McGaffey & Main Ground Water Plume Superfund Site (Site) in Roswell, Chaves County, New Mexico. Representatives from the EPA and New Mexico Environment Department (NMED) will be available to discuss and answer questions on the recently completed Five-Year Review (September 2017) for the Site. The Site is a 550-acre groundwater plume located where several dry cleaners operated from 1956 to 1963. These operations contaminated groundwater with tetrachloroethylene (PCE).</p> <p>The Five-Year Review found the groundwater plume has expanded since the 2008 Record of Decision with the leading edge expanding approximately 2,200 feet further to the southeast of the dry-cleaning area. EPA recommended a public information campaign to notify well owners and users of well water that could potentially be impacted. Additionally, EPA recommended that private wells in and around the groundwater plume area should be sampled for the contaminants. NMED has continued to monitor the groundwater near this location and is in the process of identifying additional private wells to sample.</p> <p>The meeting will be held at the Roswell Adult & Recreation Center located at 807 N Missouri, Roswell, NM. The meeting will be held from 6:00 pm to 7:30 pm. This is not a formal meeting. You will have the opportunity to talk directly with agency representatives in an informal setting. We welcome your participation. This meeting is being held in a fully accessible facility. Should you have any specific needs or questions about the facility please contact Jason T. McKinney, EPA Community Involvement Coordinator, at 1-800-533-3508 (Toll-Free).</p>		
<p>Tuesday, January 23, 2018 6:00 pm until 7:30 pm Roswell Adult and Senior Center 807 N. Missouri Roswell, NM 88202</p>	<p>Martes, 23 de enero de 2018 6:00 pm a 7:30 pm Roswell Adult and Senior Center 807 N. Missouri Roswell, NM 88202</p>	
<p>La EPA llevará a cabo una reunión pública comunitaria en la cual dará una actualización sobre las actividades que se están llevando a cabo en el Sitio Contaminado McGaffey & Main Ground Water Plume Superfund Site, en Roswell, ubicado en el Condado Chaves, Nuevo México. Representantes de la EPA y el Departamento del Medio Ambiente de Nuevo México (NMED, por sus siglas en inglés) estarán disponibles para discutir y contestar preguntas sobre la Evaluación Quinquenal finalizada recientemente (septiembre de 2017) para el sitio. El sitio es una columna de agua subterránea de 550 acres ubicado en donde alguna vez varias tintorerías estuvieron en funcionamiento entre 1956 a 1963. Estas operaciones contaminaron las aguas subterráneas con tetracloroetileno (PCE, por sus siglas en inglés).</p> <p>La Evaluación de cinco años determino que la columna de contaminación del agua subterránea se ha expandido desde la firma del Registro de Decisión del 2008, con una expansión del borde principal de aproximadamente 2.200 pies más lejos al sureste de la zona de limpieza en seco. La EPA recomienda una campaña de información pública para notificar a los propietarios y usuarios de pozos de agua que potencialmente podrían ser impactados. Además, la EPA recomienda que los pozos de agua privados en y alrededor del área de la columna de agua subterránea deben ser analizados. El NMED ha continuado el monitoreo de las aguas subterráneas cerca de este lugar y está en proceso de identificación de pozos privados adicionales para tomar muestras.</p> <p>La reunión se llevará a cabo en el Centro de Recreación para Adultos de Roswell, ubicado en el 807 N Missouri, Roswell, NM. La reunión será de 6:00 pm a 7:30 pm. Esto no es una reunión formal. Usted tendrá la oportunidad de hablar directamente con representantes de las agencias en un ambiente casual. Agradecemos su participación. Esta reunión se llevará a cabo en una instalación totalmente accesible. Si usted tiene alguna necesidad específica o preguntas sobre las instalaciones, por favor llame a Jason T. McKinney, Coordinador de Participación Comunitaria de la EPA, al 1-800-533-3508 (llamada gratuita).</p>		



**Summary Report for McGaffey and Main PSG (Passive Soil Gas)
Attachment A – Quality Assurance Sampling Plan not included
Attachment D – TDD No. 0001_19-275 not included**

SUMMARY REPORT
FOR
MCGAFFEY AND MAIN PSG
INTERSECTION OF SOUTH MAIN STREET AND MCGAFFEY STREET
ROSWELL, CHAVES COUNTY, NEW MEXICO



Prepared for

U.S. Environmental Protection Agency, Region 6
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Dallas, Texas 75270-2102

EPA Contract Number EP-S5-17-02
Technical Direction Document No. 0001/19-275
Weston Work Order No. 20600.012.001.1275
NRC No. N/A
SEMS ID NM0000605386
FPN N/A
SSID 06LW
EPA RPM Janet Brooks

Prepared by



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2600 Dallas Parkway, Suite 280
Frisco, Texas 75034

January 2020

1. SUMMARY OF ACTIONS

Weston Solutions, Inc. (WESTON®), the Superfund Technical Assessment and Response Team (START) contractor, was tasked by the U.S. Environmental Protection Agency (EPA) Region 6 Emergency Response Branch (ERB), under Contract Number EP-S5-17-02, Technical Direction Document (TDD) No. 0001/19-275 (Attachment D) to perform a passive soil gas sampling at the McGaffey and Main PSG Site. The Site is located at the intersection of South Main Street and McGaffey Street in Roswell, Chaves County, New Mexico. The Superfund Enterprise Management System (SEMS) Identification (ID) No. assigned to the site is NM0000605386.

Upon receiving the TDD, START reviewed the available EPA and New Mexico Environmental Department (NMED) files pertaining to the Site. START assisted EPA with gaining access from the City of Roswell and prepared/submitted to EPA Region 6 a Quality Assurance Sampling Plan (QASP) in September 2019 that described the technical scope of work to be completed (Attachment A). Passive soil gas samples were installed in November 2019 and retrieved approximately three weeks later in December 2019. A Sample Location Map is provided as Attachment B. Passive soil gas analytical results are provided as Attachment C.

This summary report was prepared as part of the requirements of the TDD No. 0001/19-275 and serves as documentation of work completed to date.

2. LIST OF ATTACHMENTS

- A. Quality Assurance Sampling Plan (QASP)
- B. Sample Location Map
- C. Passive Soil Gas Analytical Results
- D. TDD No. 0001/19-275



The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.

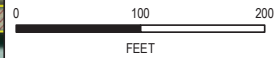
X

The EPA Task Monitor has provided final approval of this report. Therefore, Weston Solutions, Inc. has submitted this report with the Task Monitor's approval.

ATTACHMENT B
SAMPLE LOCATION MAP



- LEGEND**
- ▲ PSG Sample Location (n = 24)
 - ▲ Missing/Compromised PSG (n = 6)
 - ▲ Unrecoverable PSG (n = 3)
 - Source Area (URS, 2015)
 - Parcel Boundary
 - Approximate Right-of-Way Areas



SOURCE: BING MAPS AERIAL; ESRI
 TDD: 000119-375
 SEMS: NM0000605386
 SSID: 06LW



ATTACHMENT B
 SAMPLE LOCATION MAP
 MCGAFFEY AND MAIN PSG
 INTERSECTION OF S. MAIN ST.
 AND MCGAFFEY ST.
 ROSWELL, CHAVES COUNTY, NEW MEXICO

DATE	PROJECT NO	SCALE
JANUARY 2020	20600.012.001.1275	AS SHOWN

ATTACHMENT C
PASSIVE SOIL GAS ANALYTICAL RESULTS

Attachment C
 Passive Soil Gas Analytical Results
 McGaffey and Main PSG
 Roswell, Chavez County, New Mexico

Analyte	CAS.NO	Units	Sample ID Date Type	McGPSG-002 11/12/2019 FS	McGPSG-003 11/12/2019 FS	McGPSG-004 11/12/2019 FS	McGPSG-005 11/12/2019 FS	McGPSG-006 11/12/2019 FS	McGPSG-007 11/12/2019 FS	McGPSG-008 11/12/2019 FS	McGPSG-009 11/12/2019 FS	McGPSG-010 11/12/2019 FS	McGPSG-012 11/12/2019 FS	McGPSG-013 11/12/2019 FS	McGPSG-013-82 11/12/2019 FD
VOCS															
1,1,1-Trichloroethane	71-55-6	ug/m3	--	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	--	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U
1,1,2-Trichloroethane	79-00-5	ug/m3	--	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.69 U	0.69 U
1,1-Dichloroethane	75-34-3	ug/m3	--	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
1,1-Dichloroethene	75-35-4	ug/m3	--	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
1,2,4-Trimethylbenzene	95-63-6	ug/m3	--	0.4 U	0.4 U	0.4 U	0.4 U	12	3.4	6.8	3.8	0.4 U	0.4 U	0.4 U	0.41 U
1,2-Dichlorobenzene	95-50-1	ug/m3	--	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichloroethane	107-06-2	ug/m3	--	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.87 U
1,3,5-Trimethylbenzene	108-67-8	ug/m3	--	0.56 U	0.56 U	0.56 U	0.56 U	6.3	0.56 U	3.3	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
1,3-Dichlorobenzene	541-73-1	ug/m3	--	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,4-Dichlorobenzene	106-46-7	ug/m3	--	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.35 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ug/m3	--	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
4-Methyl-2-pentanone	108-10-1	ug/m3	--	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene	71-43-2	ug/m3	--	11 U	11 U	11 U	11 U	51	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	56-23-5	ug/m3	--	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Chlorobenzene	108-90-7	ug/m3	--	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.42 U
Chloroform	67-66-3	ug/m3	--	1 U	1 U	12	1 U	1 U	1 U	1 U	1 U	12	1 U	1 U	1.1 U
Chloromethane	74-87-3	ug/m3	--	26 U	26 U	26 U	26 U	26 U	26 U	26 U	26 U	26 U	26 U	26 U	27 U
cis-1,2-Dichloroethene	156-59-2	ug/m3	--	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Cyclohexane	110-82-7	ug/m3	--	1.1 U	1.1 U	1.1 U	1.1 U	18	1.1 U	8.3	8.5	1.1 U	1.1 U	1.1 U	1.1 U
Ethyl Benzene	100-41-4	ug/m3	--	0.39 U	0.39 U	0.39 U	0.39 U	34	0.39 U	6.4	5.5	0.39 U	0.39 U	0.39 U	0.4 U
Heptane	142-82-5	ug/m3	--	0.56 U	0.56 U	0.56 U	0.56 U	22	0.56 U	11	8.6	0.56 U	0.56 U	0.56 U	0.57 U
Hexane	110-54-3	ug/m3	--	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.7 U	8.8 U	8.8 U
m,p-Xylene	XYLMP	ug/m3	--	1.1 U	1.1 U	1.1 U	1.1 U	39	8.7	15	12	1.1 U	5.4	5.4	4.6
Methyl tert-butyl ether	1634-04-4	ug/m3	--	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U
Naphthalene	91-20-3	ug/m3	--	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.62 U	0.62 U
o-Xylene	95-47-6	ug/m3	--	0.48 U	0.48 U	0.48 U	0.48 U	12	0.48 U	4.8	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
Propylbenzene	103-65-1	ug/m3	--	0.66 U	0.66 U	0.66 U	0.66 U	5.2	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Styrene	100-42-5	ug/m3	--	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Tetrachloroethene	127-18-4	ug/m3	--	14	0.31 U	0.31 U	12	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.32 U
Toluene	108-88-3	ug/m3	--	0.65 U	13	0.65 U	0.65 U	70	30	30	30	0.65 U	20	15	15
trans-1,2-Dichloroethene	156-60-5	ug/m3	--	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U
Trichloroethene	79-01-6	ug/m3	--	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.87 U
Vinyl Chloride	75-01-4	ug/m3	--	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U

Notes:
Bolded values denote detected results
 U - Analyte was not detected



Attachment C
 Passive Soil Gas Analytical Results
 McGaffey and Main PSG
 Roswell, Chavez County, New Mexico

Analyte	CAS.NO	Units	Sample ID Date Type	McGPSG-014 11/12/2019 FS	McGPSG-015 11/12/2019 FS	McGPSG-016 11/12/2019 FS	McGPSG-017 11/12/2019 FS	McGPSG-018 11/12/2019 FS	McGPSG-019 11/12/2019 FS	McGPSG-025 11/12/2019 FS	McGPSG-025-82 11/12/2019 FD	McGPSG-027 11/12/2019 FS	McGPSG-028 11/12/2019 FS	McGPSG-029 11/12/2019 FS	McGPSG-030 11/12/2019 FS
VOCs															
1,1,1-Trichloroethane	71-55-6	ug/m3	--	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	--	0.42 U	0.42 U	0.42 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
1,1,2-Trichloroethane	79-00-5	ug/m3	--	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U	0.69 U
1,1-Dichloroethane	75-34-3	ug/m3	--	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
1,1-Dichloroethene	75-35-4	ug/m3	--	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
1,2,4-Trimethylbenzene	95-63-6	ug/m3	--	0.4 U	0.4 U	0.4 U	3.8	0.4 U	0.4 U	3	0.4 U	0.4 U	2.5	0.4 U	2.7
1,2-Dichlorobenzene	95-50-1	ug/m3	--	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichloroethane	107-06-2	ug/m3	--	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U
1,3,5-Trimethylbenzene	108-67-8	ug/m3	--	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
1,3-Dichlorobenzene	541-73-1	ug/m3	--	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,4-Dichlorobenzene	106-46-7	ug/m3	--	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ug/m3	--	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
4-Methyl-2-pentanone	108-10-1	ug/m3	--	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Benzene	71-43-2	ug/m3	--	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Carbon Tetrachloride	56-23-5	ug/m3	--	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Chlorobenzene	108-90-7	ug/m3	--	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
Chloroform	67-66-3	ug/m3	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chloromethane	74-87-3	ug/m3	--	26 U	26 U	26 U	26 U	26 U	26 U	27 U	27 U	27 U	27 U	27 U	27 U
cis-1,2-Dichloroethene	156-59-2	ug/m3	--	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Cyclohexane	110-82-7	ug/m3	--	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Ethyl Benzene	100-41-4	ug/m3	--	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	4.5	0.39 U	0.39 U
Heptane	142-82-5	ug/m3	--	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Hexane	110-54-3	ug/m3	--	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U	8.8 U
m,p-Xylene	XYLMP	ug/m3	--	5.5	5.7	1.1 U	7.5	1.1 U	1.1 U	6.5	1.1 U	1.1 U	17	1.1 U	14
Methyl tert-butyl ether	1634-04-4	ug/m3	--	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U	1.4 U
Naphthalene	91-20-3	ug/m3	--	0.62 U	0.62 U	0.62 U	7.9	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U	0.62 U
o-Xylene	95-47-6	ug/m3	--	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	4.7	0.48 U	4.2
Propylbenzene	103-65-1	ug/m3	--	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U	0.66 U
Styrene	100-42-5	ug/m3	--	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Tetrachloroethene	127-18-4	ug/m3	--	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Toluene	108-88-3	ug/m3	--	15	26	15	32	5.6	0.65 U	26 JK	12 JK	8	220	7.9	160
trans-1,2-Dichloroethene	156-60-5	ug/m3	--	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Trichloroethene	79-01-6	ug/m3	--	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U	0.86 U
Vinyl Chloride	75-01-4	ug/m3	--	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U

Notes:
Bolded values denote detected results
 U - Analyte was not detected



Attachment C
Passive Soil Gas Analytical Results
McGaffey and Main PSG
Roswell, Chavez County, New Mexico

Analyte	CAS.NO	Units	Sample ID Date Type	McGPSG-032 11/12/2019 FS	McGPSG-033 11/12/2019 FS
VOCs					
1,1,1-Trichloroethane	71-55-6	ug/m3	--	1.3 U	1.3 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	--	0.43 U	0.43 U
1,1,2-Trichloroethane	79-00-5	ug/m3	--	0.69 U	0.69 U
1,1-Dichloroethane	75-34-3	ug/m3	--	1.9 U	1.9 U
1,1-Dichloroethene	75-35-4	ug/m3	--	14 U	14 U
1,2,4-Trimethylbenzene	95-63-6	ug/m3	--	0.41 U	0.41 U
1,2-Dichlorobenzene	95-50-1	ug/m3	--	0.33 U	0.33 U
1,2-Dichloroethane	107-06-2	ug/m3	--	0.86 U	0.86 U
1,3,5-Trimethylbenzene	108-67-8	ug/m3	--	0.56 U	0.56 U
1,3-Dichlorobenzene	541-73-1	ug/m3	--	0.25 U	0.25 U
1,4-Dichlorobenzene	106-46-7	ug/m3	--	0.34 U	0.34 U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	ug/m3	--	19 U	35 35 U
4-Methyl-2-pentanone	108-10-1	ug/m3	--	1.8 U	1.8 U
Benzene	71-43-2	ug/m3	--	11 U	11 U
Carbon Tetrachloride	56-23-5	ug/m3	--	1.2 U	1.2 U
Chlorobenzene	108-90-7	ug/m3	--	0.41 U	0.41 U
Chloroform	67-66-3	ug/m3	--	1.1 U	1.1 U
Chloromethane	74-87-3	ug/m3	--	27 U	27 U
cis-1,2-Dichloroethene	156-59-2	ug/m3	--	1.3 U	1.3 U
Cyclohexane	110-82-7	ug/m3	--	1.1 U	9.6
Ethyl Benzene	100-41-4	ug/m3	--	0.39 U	0.4 U
Heptane	142-82-5	ug/m3	--	0.57 U	0.57 U
Hexane	110-54-3	ug/m3	--	8.8 U	8.8 U
m,p-Xylene	XYLMP	ug/m3	--	1.1 U	11
Methyl tert-butyl ether	1634-04-4	ug/m3	--	1.4 U	1.4 U
Naphthalene	91-20-3	ug/m3	--	0.62 U	0.62 U
o-Xylene	95-47-6	ug/m3	--	0.48 U	0.48 U
Propylbenzene	103-65-1	ug/m3	--	0.66 U	0.66 U
Styrene	100-42-5	ug/m3	--	0.55 U	0.55 U
Tetrachloroethene	127-18-4	ug/m3	--	0.31 U	0.31 U
Toluene	108-88-3	ug/m3	--	9.1	82
trans-1,2-Dichloroethene	156-60-5	ug/m3	--	1.3 U	1.3 U
Trichloroethene	79-01-6	ug/m3	--	0.86 U	0.86 U
Vinyl Chloride	75-01-4	ug/m3	--	18 U	18 U

Notes:

Bolded values denote detected results

U - Analyte was not detected

