

September 26, 2024

District Supervisor Oil Conservation Division, District 2 811 S. First St. Artesia, NM 88210

Re: Release Characterization and Remediation Work Plan ConocoPhillips Willow A State #001 Tank Battery Release Unit Letter J, Section 03, Township 25 South, and Range 28 East Eddy County, New Mexico Incident ID NAPP2221332553 Landowner: NMSLO

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess and evaluate a release that occurred at the Willow State Tank Battery associated with the Willow A State #001 (API # 30-015-33012). The release footprint is located in Public Land Survey System (PLSS) Unit Letter J, Section 03, Township 25 South, and Range 28 East, Eddy County, New Mexico (Site). The approximate release point occurred at coordinates 32.157654°, -104.074715°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the Willow A State #001 Tank Battery release was discovered on July 17, 2022. The release was caused by a failed gasket on the facility's free water knockout unit. The initial C-141 reports that 195 barrels (bbls) of crude oil were released within the gravel lined facility, and 100 bbls were recovered with a vacuum truck. Of note, the Spill Volume Estimate Form included as an attachment to the C-141 noted the release volume as 95 bbls of oil, rather than 195 bbls. The C-141 was submitted to the NMOCD on August 1, 2022 and assigned the Incident ID NAPP2221332553.

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on State Trust Lands. A review of the NMSLO Land Status Map was completed and the Site is located within active oil and gas lease ID VA29640002, which is listed under Concho Oil & Gas LLC/COG Operating LLC. Based on guidance provided by the NMSLO, as the release footprint is located on an active oil and gas lease, and the footprint is wholly located within the boundaries of the active oil and gas lease, no Remediation Right of Entry (ROE) is required at the Site. Prior to conducting remediation activities, this Remediation Work Plan will be submitted to the NMSLO for review.

CULTURAL PROPERTIES PROTECTION

In order to meet the requirements to perform reclamation activities on State Trust Lands, compliance with the cultural properties protection rule and legal authorization to work on State Trust Land needed to be addressed. The New Mexico Administrative Code (NMAC) 19.2.24.8 states "Any persons engaged in activities on state trust lands are subject to the requirements of the Cultural Properties Act, the Cultural

Properties Protection Act, and 19.2.24.13 NMAC. Persons shall not disturb, dislodge, damage, destroy, or remove any cultural properties on state trust lands. Any project on state trust lands that has the potential to directly or indirectly damage cultural properties is additionally subject to the requirements of Subsections B, C, D, and E of 19.2.24.8 NMAC."

Tetra Tech, on behalf of ConocoPhillips, contracted SWCA Environmental Consultants (SWCA) to conduct an Archeological Resources Management Section (ARMS) review in the release area to comply with 19.2.24 NMAC. On September 4, 2024, SWCA completed a literature and file search using the State of New Mexico's New Mexico Cultural Resources Information System online database which included a review of known historic resources, including the built environment, archaeological sites, and State/National Register listed properties. Other sources reviewed include the BLM GLO Records website, which include land patent and general land office survey data.

The project area and surrounding 500 meters (0.31 miles) have been subject to 25 cultural resource surveys, 23 of which were conducted within the last 10 years (NMCRIS 154124). One previously recorded site is located within the 500 meter search buffer, but outside of the project area. The project area is entirely located on NMSLO-managed lands. The project area is not completed covered by previous qualifying survey; however, it is located on previously disturbed land from oil and gas construction activities.

SWCA consulted with the NMSLO, per Anne Curry at NMSLO, since all ground disturbing activities will remain within the disturbed area, no additional survey is required (8/16/2024). All remediation and reclamation work will remain within the approved existing disturbance. A copy of the ARMS letter is included in Appendix B.

SITE CHARACTERIZATION

A site characterization was performed in accordance with 19.15.29.11 New Mexico State Administrative Code (NMAC) and the guidance document Process Updates re: Submissions of Form C-141 Release Notification and Corrective Actions (12/01/2023).

A summary of the site characterization is presented below:

Shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (feet bgs)	Between 26 and 50 ft
Method used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water?	No
What is the minimum distance between the closest lateral extents of the release and t	he following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1/2 mi. and 1 mi.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 mi. and 5 mi.
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 miles
A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 mi. and 5 mi.
Any other fresh water well or spring	Between 1 mi. and 5 mi.
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 miles
A wetland	Between 1 mi. and 5 mi.

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A subsurface mine	Greater than 5 miles
A (non-karst) unstable area	Greater than 5 miles
Categorized risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1/2 mi. and 1 mi.
Did the release impact areas not on an exploration, development, production, or storage site?	No

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located within approximately 0.5 miles (800 meters) of the Site. There are three water wells with recent groundwater data located within 0.62 miles (1,000 meters) from the Site with an average depth to water of 45 feet below ground surface (bgs). The site characterization data are presented in Appendix C.

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization (high karst) and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRALs
Chloride	600 mg/kg
Total TPH	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

INITIAL ASSESSMENT ACTIVITIES, SAMPLING RESULTS, AND DEFERRAL REQUEST

Carmona Resources, LLC (Carmona) performed release assessment activities on behalf of ConocoPhillips from July 2022 through January 2023. On July 20, 2022, a total of four (4) interior sample points (S-1 through S-4) and seven (7) horizontal samples (H-1 through H-7) were advanced to depths ranging from the surface to 4.5 feet below ground surface (bgs) to evaluate the vertical and horizontal extent of the release. The release was successfully delineated horizontally, but vertical delineation of the release was not achieved in the first sampling event.

On September 21, 2022, four (4) soil test trenches (T-1 through T-4) were installed within the release footprint at locations coinciding with S-1 through S-4. Vertical delineation was still not achieved at 9 feet bgs, so on January 16, 2023, a total of four (4) boreholes (BH-1 through BH-4) were advanced in the release footprint at the same coincident locations to depths ranging from 20 to 25 feet bgs to complete vertical delineation of the release. Sample locations and the approximate release extent are indicated in Figure 3.

Soil samples collected during the three assessment mobilizations were submitted to Eurofins Laboratories in Midland, Texas and analyzed for TPH via EPA Method 8015B, BTEX via EPA Method 8021B, and chloride via EPA Method 300.0.

The analytical results associated with BH-1 through BH-3 exceeded the Site RRALs for chloride, BTEX and/or TPH to depths of 15 feet bgs. Analytical results associated with BH-4 exceeded the Site RRALs for chloride, BTEX and/or TPH to a depth of 20 feet bgs. Analytical results from the initial assessment are summarized in Table 1.

The soil analytical results from the various assessment activities were compiled into a Deferment Report prepared by Carmona, dated May 4, 2023, and submitted to the NMOCD for approval. The conclusion of this report stated: "Based on safety concerns of destabilizing the production equipment within the facility, COG requests to defer the BTEX, chloride, and total TPH impacts until the tank batteries are decommissioned, or the facility equipment is removed."

The Deferment Report prepared by Carmona was rejected by the NMOCD on October 18, 2023 with the following comments:

• "The Deferral Request is Denied. Only sample points on pad that require a major facility deconstruction will be deferred. Continue to remove contaminants safely with alternative methods (shovel, hydrovac, etc.). The OCD needs to see that every measure has been taken to remediate the release before a deferral can be granted. The deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the environment, or ground water. The surface contaminants/staining will need to be cleaned up to prevent danger to wildlife. If this has been accomplished, include pictures in the updated report. After all possible contaminated soil has been removed, a formal deferral request will need to be uploaded to the OCD Permitting Portal for review. The work will need to occur 90 days after the report has been reviewed."

A copy of the deferment report submitted by Carmona and associated NMOCD rejection is included in the NMOCD Permitting online incident files.

DEFERRAL RESUBMITTAL

The original Deferment Report appears to have been resubmitted to the NMOCD on February 22, 2024. It appears to have been resubmitted with minimal changes to the figures set, and no revisions to the remedy, as requested. It was again rejected by the NMOCD on July 5, 2024, with the following comments:

- "Deferral denied. The previous denial on 10/18/23 advised that COG remove contaminants safely with alternative methods (shovel, hydrovac, etc.) as well as provide photographic evidence that the surface staining has been cleaned up. Neither has occurred.
- As COG OPERATING LLC (229137) is responsible for the remediation, reclamation, and revegetation of this release, it is the responsible party's duty to include letters from the pipeline operators who are requesting a buffer zone around their pipelines to take responsibility for any contamination left in place due to their buffer zone request. If the pipeline operators are unwilling to take responsibility for the contamination located within their requested buffer zones, the responsible party will be required to remediate, reclaim, and revegetate the release pursuant to 19.15.29 NMAC. Furthermore, pursuant to 19.15.29.7C NMAC, OCD may consider a person causing the release or controlling the location of the release as the responsible party. If any pipeline operator refuses to allow the remediation, reclamation, and revegetation of this release, please include the refusal in writing. OCD reserves the right to hold the pipeline operator as the responsible party.
- Until COG removes contaminants to the MEP a deferral will not be granted. Resubmit report to the OCD by 8/5/24."

Tetra Tech requested an extension to complete reporting in an email dated August 5, 2024. The NMOCD approved an extension to October 3, 2024 in an email response dated August 6, 2024. Copies of the regulatory correspondence is included in Appendix D.

TETRA TECH SITE EVALUATION

On behalf of ConocoPhillips, Tetra Tech conducted a visual Site inspection on August 1, 2024 to assess current Site conditions, document any observable impact, and photograph the area and surrounding

equipment. Tetra Tech personnel observed an area of minor staining largely coinciding with the approximate release footprint. The staining was observed to remain within the existing facility berm.

The release appeared to have flowed east from the free water knockout vessel across an unoccupied portion of the pad, predominantly remaining north of several steel production lines, and terminating north of the westernmost tank in the tank battery. Surrounding the release footprint are several vertical separators (including the free water knockout vessel), multiple sets of surface steel lines, a transfer pump and associated electrical conduit, and a tank battery with connecting surface polylines, all within the interior of the facility berm.

Outside the facility berm, several sets of surface polylines are spread across the ground surface north and west of the facility berm, hampering access for machine equipment to the release footprint. A Solaris Water Midstream, LLC tinhorn is located amongst the surface polylines, with a single polyline emerging from the tinhorn running westward. However, pending the removal of the northern berm, Tetra Tech observed that several areas of the release extent could be accessible to heavy equipment without destabilizing the production vessels and or piping. The facility equipment is indicated in Figure 3. Photographic documentation from the Site evaluation is included in Appendix E.

REMEDIATION WORK PLAN

Based on the NMOCD rejections, the collected analytical results, and review of current Site conditions, ConocoPhillips proposes to remove the impacted material as indicated on Figure 4.

The assessment indicates deep subsurface impacts in the areas of BH-1 through BH-4 which exceeded the Site RRALs for chloride and/or TPH at depths ranging from 15-20 feet bgs. ConocoPhillips proposes to remove the impacted material in these areas to the maximum extent practicable. For safety concerns, the current plan is to excavate to a maximum depth of 5-8 feet below ground surface (or until a representative sample from the walls and bottom of the excavation is below the Site RRALs) in areas accessible to heavy equipment, as indicated in Figure 4. If deeper excavation cannot be performed due to infrastructure or safety concerns, any remaining deeper impact will be deferred until facility abandonment.

Heavy equipment (backhoe and mini-excavator) will be utilized to excavate areas outside the immediate vicinity of pressurized lines and will come no more than 2 feet from any pressurized lines or active vessels. Any area within 2 feet of pressurized lines or vessels will be addressed with non-mechanical methods (hydro-excavation or hand dig) to a maximum depth of 2 feet bgs. Impacted soils around production equipment, vessels, structures, or lines may not be fully removed during remediation activities due to concerns for onsite personnel and/or the possibility of an additional unwanted release to the environment.

Based on OSHA regulations, benching protection systems will be utilized in the central excavation as it is greater than 5 feet in depth. The sides of the excavation will be benched to form a series of horizontal levels, with near-vertical surfaces between levels. In the event the excavation cannot be safely benched, impacted soils will be excavated to the maximum depth possible to prevent a cave-in or the destabilization of onsite equipment.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation floor and sidewall samples will be collected every 200 square feet for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 1,370 square feet. Prior to confirmation sampling the NMOCD district office and the NMSLO will be notified via email in accordance with Subsection D of 19.15.29.12 NMAC.

The estimated volume of material to be remediated is approximately 215 cubic yards. Once results are received, the excavation will then be backfilled with clean material to surface grade. One (1) representative 5-point composite sample will be collected from the backfill material to verify that it is comprised of non-waste containing, uncontaminated, earthen material in accordance with 19.15.29.13 NMAC.

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CONCLUSION

ConocoPhillips proposes to begin remediation activities at the Site within 90 days of plan approval by both the NMOCD and the NMSLO. Upon completion of the proposed work, a final report detailing the remediation activities and the results of the confirmation sampling will be submitted to NMOCD. In the event the proposed remediation does not remove the entirety of the observed impacts at the Site, a deferral request will be submitted to the NMOCD. If the confirmation sampling results indicate that the impacts have been removed to meet the standards of Table I of 19.15.29.12 NMAC, a closure report will be drafted and submitted to the NMOCD.

If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please call me at (512) 739-7874 or email at sam.abbott@tetratech.com.

Sincerely, Tetra Tech, Inc.

Samantha Abbott, P.G. Project Manager

cc: Mr. Ike Tavarez, RMR – ConocoPhillips NMSLO ECO

Christian M. Llull, P.G. Program Manager

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map

Figure 2 – Site Location/Topographic Map

Figure 3 – Approximate Release Extent and Site Assessment

Figure 4 – Proposed Remediation Extent

Tables:

Table 1 – Summary of Analytical Results – Soil Assessment (Carmona Resources)

Appendices:

Appendix A – C-141 Forms

Appendix B – ARMS Review Letter

Appendix C – Site Characterization Data

Appendix D – Regulatory Correspondence

Appendix E – Photographic Documentation

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FIGURES



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TABLES

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT (CARMONA RESOURCES) - NAPP2221332553 CONOCOPHILLIPS WILLOW A STATE #001 TANK BATTERY RELEASE EDDY COUNTY, NM

						BTEX ²			ТРН ³					
Sample ID Sample Date	Sample Depth	Sample Depth	Chloride ¹					_	GRO	DRO	MRO	Total TPH		
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	C ₆ - C ₁₀	> C ₁₀ - C ₂₈	> C ₂₈ - C ₃₆	(GRO+DRO+EXT DRO)			
	ft. bgs	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
		0-1	3410	13.6	87.4	59.3	171	331	12100	6030	<499	18100		
		1.5	1470	17.4	76.8	51.1	152	298	11700	6860	<500	18600		
S-1	7/20/2022	2.5	1090	<2.00	15.8	11.8	27.9	55.5	1020	493	<250	1510		
		3.5	983	<0.0398	0.0919	0.155	0.402	0.649	60.3	64.6	<49.9	125		
		4.5	1010	<0.0399	<0.0399	<0.0399	<0.0798	<0.0798	<49.9	<49.9	<49.9	<49.9		
		0-1	1880	<0.101	<0.101	2.06	6.08	8.14	1660	22000	<500	23700		
		1.5	2650	<0.0990	<0.0990	2.5	1.88	4.38	1760	21200	<498	23000		
		2	2000	<0.0399	<0.0399	0.464	0.73	1.19	165	714	<49.9	879		
		3	2170	<0.0403	<0.0403	0.529	1.16	1.69	140	526	<49.8	666		
т 1	0/21/2022	4	2660	<0.0396	<0.0396	< 0.0396	<0.0792	<0.0792	<50.0	76.8	<50.0	76.8		
T-1	9/21/2022	5	2750	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	154	<50.0	154		
		6	124	<0.00201	<0.00201	0.00355	0.0124	0.016	<49.8	248	<49.8	248		
		7	1590	<0.00202	0.00315	0.0384	0.0362	0.0777	103	301	<49.9	404		
		8	208	<0.0497	1.21	5.33	10.6	17.2	924	1420	<50.0	2340		
		9	155	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0		
		0-1	15000	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.9	1440	207	1650		
				2-3	4310	<0.00202	<0.00202	<0.00202	0.0734	0.0734	<49.8	142	<49.8	142
		4-5	834	<0.00199	<0.00199	<0.00199	0.0107	0.0107	<49.9	173	<49.9	173		
211.4		6-7	765	<0.00199	<0.00199	<0.00199	0.012	0.012	<49.8	154	<49.8	154		
BH-1	1/16/2023	9-10	1540	<0.00200	<0.00200	<0.00200	0.0222	0.0222	<49.9	<49.9	<49.9	<49.9		
		11-12	1510	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0		
		14-15	1250	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	<50.0	<50.0	<50.0		
		20	72.2	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0		
		0-1	20900	4.67	53.1	30.6	87	175	7000	7930	<499	14900		
		1.5	15600	0.537	6.4	6.01	12.6	25.6	733	1260	<249	1990		
S-2	7/20/2022	2.5	15600	1.16	8.97	5.92	16.5	32.6	348	236	<50.0	584		
		3.5	1160	0.256	1.45	2.06	4.17	7.93	148	154	<50.0	302		
		4.5	2020	<0.0401	0.109	<0.0401	0.081	0.19	<49.9	<49.9	<49.9	<49.9		
		0-1	5100	<0.0994	<0.0994	2.79	3.87	6.66	1660	28700	<499	30400		
		1.5	4380	<0.101	0.122	2.88	6.23	9.23	1940	32500	<499	34400		
		2	1380	<0.00198	0.0385	0.138	0.155	0.332	428	4610	<250	5040		
		3	1310	<0.00200	0.0179	0.048	0.0711	0.137	188	2000	<49.9	2190		
T 2	0/24/2022	4	1470	<0.00199	0.128	0.144	0.304	0.576	221	1490	<50.0	1710		
T-2	9/21/2022	5	778	<0.00200	0.0213	0.0552	0.0911	0.168	143	1040	<50.0	1180		
		6	394	<0.00201	0.00443	0.0378	0.154	0.197	74.2	257	<50.0	331		
		7	435	<0.00200	<0.00200	0.0115	0.0373	0.0488	98.1	369	<49.9	467		
		8	308	<0.00200	0.00288	0.026	0.143	0.171	90	317	<50.0	407		
		9	277	<0.00199	0.0164	0.0521	0.212	0.28	96.3	258	<50.0	354		
		0-1	15300	0.216	<0.0398	<0.0398	<0.0795	0.216	<49.9	879	126	1010		
		2-3	1810	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	272	<49.9	272		
		4-5	1460	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<49.8	267	<49.8	267		
D U 2	4 14 6 19 99 -	6-7	825	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.0	120	<50.0	120		
BH-2	1/16/2023	9-10	1730	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9		
		11-12	997	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9		
	1		1460	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9		
		14-15	1460	<0.00200	<0.00200	<0.00200	.0.00000	.01000000	×+5.5	\$45.5	×+5.5	×+J.J		

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT (CARMONA RESOURCES) - NAPP2221332553 CONOCOPHILLIPS WILLOW A STATE #001 TANK BATTERY RELEASE EDDY COUNTY, NM

				BTEX ²							TPH ³	
Sample ID Sample Date		Sample Depth	Chloride ¹			5.1 H		T . 1075V	GRO	DRO	MRO	Total TPH
			Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	C ₆ - C ₁₀	> C ₁₀ - C ₂₈	> C ₂₈ - C ₃₆	(GRO+DRO+EXT DRO)	
	ft. bgs	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
		0-1	3280	13.6	157	54.6	164	389	12200	8280	<498	20500
		1.5	1390	17.4	102	55.8	168	343	8890	5390	<500	14300
S-3	7/20/2022	2.5	26.5	<0.0401	0.0613	0.705	1.5	2.28	67.8	68.6	<49.8	136
		3.5	3320	<0.0399	<0.0399	<0.0399	<0.0798	<0.0798	<49.9	97.2	<49.9	97.2
		4.5	862	<0.0401	<0.0401	<0.0401	<0.0802	<0.0802	<49.9	<49.9	<49.9	<49.9
		0-1	5140	<0.101	0.234	1.47	6.66	8.36	984	29400	5050	35400
		1.5	5000	<0.101	0.184	0.933	4.46	5.58	1090	33800	6390	41300
		2	3010	0.13	<0.0399	0.586	1.54	2.26	272	1090	163	1530
		3	2780	0.0297	0.1	0.607	1.63	2.37	217	746	120	1080
		4	3450	0.0395	0.0802	<0.0201	<0.0402	0.12	<50.0	141	<50.0	141
T-3	9/21/2022	5	3150	0.154	<0.0404	0.0506	0.175	0.379	55.5	723	114	893
		6	2360	0.135	0.0745	0.72	1.98	2.91	177	1260	202	1640
		7	2660	0.129	0.131	0.855	2.33	3.44	108	825	115	1050
		8	2510	0.147	0.135	0.948	2.59	3.82	205	1080	157	1440
		9	2600	0.121	0.122	0.956	2.54	3.74	178	1260	192	1630
		0-1	9940	0.153	0.24	1.92	4.59	6.9	329	1840	288	2460
		2-3	4420	< 0.0399	< 0.0399	0.182	0.512	0.694	72.2	930	137	1140
		4-5	4570	<0.0401	<0.0401	0.14	0.384	0.524	143	1590	231	1960
		6-7	3410	0.165	0.0461	0.35	1.04	1.6	79.6	814	102	996
BH-3	1/16/2023	9-10	1400	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	222	<50.0	222
		11-12	1450	<0.00201	0.00337	0.00691	0.0238	0.034	<49.9	183	<49.9	183
		14-15	1070	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<49.9	280	<49.9	280
		20	490	< 0.00199	< 0.00199	<0.00199	< 0.00398	<0.00398	<49.8	86.4	<49.8	86.4
		25	65.9	< 0.00199	< 0.00199	<0.00199	< 0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0
				1								
		0-1	293	7.47	76.5	49	142	275	11300	21700	3220	36200
	_ / /	1.5	135	8.01	81.5	55.4	167	312	5710	11500	1820	19000
S-4	7/20/2022	2.5	43.9	9.56	69.9	40.3	116	236	6550	7770	1170	15500
		3.5	39.8	7.05	58.4	33.4	97.9	197	5020	5750	856	11600
		4.5	79.3	6.4	55.4	31.200	95.2	188	3970	2940	<498	6910
		0-1	4220	<0.0998	0.143	0.951	3.8	4.89	941	32900	6060	39900
		1.5	2760	<0.0996	0.107	1.22	2.92	4.24	914	33700	6150	40800
		2	3320	<0.100	0.11	1.15	2.79	4.05	892	38200	6610	45700
		3	392	0.158	2.21	3.54	7.2	13.1	541	2510	369	3420
T-4	9/21/2022	4	261	0.0504	0.507	4.45	8.22	13.2	658	2220	350	3230
		5	251	<0.0398	0.394	3.38	6.43	10.2	691	2170	341	3200
		6	2990	0.116	0.103	0.662	1.77	2.65	174	1240	183	1600
		7	164	<0.00202	<0.00202	0.00473	0.0257	0.0304	<49.9	420	60	480
		8	240	0.00766	0.16	0.237	0.428	0.832	813	1960	304	3080
	ļ	9	319	<0.00199	<0.00199	0.00349	0.0184	0.0219	<50.0	312	<50.0	312
		0-1	954	<0.00200	<0.00200	0.0148	0.00419	0.019	<249	4360	<249	4360
		2-3	1040	<0.00201	<0.00201	0.0208	0.00482	0.0256	239	1890	<49.9	2130
		4-5	656	<0.00200	<0.00200	0.00364	<0.00401	<0.00401	<49.9	137	<49.9	137
		6-7	999	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0
BH-4	1/16/2023	9-10	1070	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.9	<49.9	<49.9	<49.9
		11-12	885	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0
		14-15	1610	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.0	<50.0	<50.0	<50.0
		20	2000	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0
	25	<4.98	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT (CARMONA RESOURCES) - NAPP2221332553 CONOCOPHILLIPS WILLOW A STATE #001 TANK BATTERY RELEASE EDDY COUNTY, NM

						BTEX ²					TPH ³	
Sample ID	Sample Date	Sample Depth	Chloride ¹	Benzene	Damage Talana	Fabulbaneous	Total Vidence	Total BTEX	GRO	DRO	MRO	Total TPH
Sample ID	Sample Date			Delizene	Toluene	Ethylbenzene	Total Xylenes	TOTAL DIEX	C ₆ - C ₁₀	> C ₁₀ - C ₂₈	> C ₂₈ - C ₃₆	(GRO+DRO+EXT DRO)
		ft. bgs	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
H-1	7/20/2022	0-0.5	35	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0
H-2	7/20/2022	0-0.5	28.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9
H-3	7/20/2022	0-0.5	<4.97	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	<50.0	<50.0	<50.0	<50.0
H-4	7/20/2022	0-0.5	<4.99	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0
H-5	7/20/2022	0-0.5	14.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9
H-6	7/20/2022	0-0.5	<4.96	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9
H-7	7/20/2022	0-0.5	<5.02	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

Bold and italicized values indicate exceedance of proposed Site RRALs.

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

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Indicates the analyte was analyzed but not detected

MS and/or MSD recovery exceeds control limits

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APPENDIX A C-141 Forms

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

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Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Longitude

Latitude	

Site Name	Site Type
Date Release Discovered	API# (if applicable)

(NAD 83 in decimal degrees to 5 decimal places)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

D	2
Page	2

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

The source of the release has been stopped.

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by: Jocelyn Harimon	Date:08/01/2022

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L48 Spill Volume Estimate Form									
	Facility Name & Number: Willow A State Battery								
	Asset Area: DBWN								
		Release Discovery Date & Time:	7.18.22						
		Release Type:	Oil						
	Provide	any known details about the event:	Gasket on free wate	r Knockout and causing the spill					
				Spill Calculation - Subs	urface Spill - Rectangle				
	N	Vas the release on pad or off-pad?			See reference table	e below			
H	las it rained at le	ast a half inch in the last 24 hours?			See reference table	e below			
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	50.0	15.0	30.00	10.50%	333.750	35.044			
Rectangle B	50.0	16.0	48.00	10.50%	569.600	59.808			
Rectangle C					0.000	0.000			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Rectangle J	Rectangle J 0.000 0.000								
	Total Volume Release: 94.852								

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	130068
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

Created By Condition jharimon None

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Action 130068

Condition Date 8/1/2022 Received by OCD: 9/26/2024 1:23:10 PM Form C-141 State of New Mexico

Oil Conservation Division

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Incident ID	
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗌 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🗌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗌 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🗌 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
Field data
Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
Boring or excavation logs
Photographs including date and GIS information
Topographic/Aerial maps

Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Received by OCD: 9/26/2 Form C-141 Page 4	024 1:23:10 PM State of New Mexico Oil Conservation Division	Page 23Incident IDDistrict RPFacility IDApplication ID
regulations all operators and public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations.	re required to report and/or file certain release notifications nment. The acceptance of a C-141 report by the OCD doe igate and remediate contamination that pose a threat to gro of a C-141 report does not relieve the operator of responsi	my knowledge and understand that pursuant to OCD rules and s and perform corrective actions for releases which may endanger es not relieve the operator of liability should their operations have oundwater, surface water, human health or the environment. In sibility for compliance with any other federal, state, or local laws
		hone:
OCD Only Received by:		Date:

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Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name-Title: Signature: _ /// _____ Date: _____ Telephone: _____ email: OCD Only Date: Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

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APPENDIX B ARMS Review Letter



7770 Jefferson Street NE, Suite 410 Albuquerque, New Mexico 87109 Tel 505:254.1115 Fax 505:254.1116 www.swca.com

Date September 9, 2024

- TO: Ethan O. Ortega Assistant Commissioner of Cultural Resources and Lead Agency Archaeologist Cultural Resources Office New Mexico State Land Office
- FROM: SWCA Environmental Consultants
- SUBJECT: Completion of an Archaeological Records Management Section (ARMS) Review for the Willow A State #001 Inadvertent Release Project in Eddy County, NM

Company Ref No: None-Provided

PROJECT DESCRIPTION:

Tetra Tech, Inc has subcontracted SWCA Environmental Consultants (SWCA) to conduct an Archaeological Records Management Section (ARMS) review for the Willow A State #001 Inadvertent Release Project in Eddy County, New Mexico. The proposed project is on lands managed by the New Mexico State Land Office (NMSLO) approximately 7.42 kilometers (4.61 miles) south of Malaga, NM in T25S, R28E, Section 3.

A literature and file search were conducted on September 4, 2024, using the New Mexico Cultural Resources Information System (NMCRIS) online database which included a review of known cultural resources, such as the built environment, archaeological sites, and State/National Register listed properties. Other sources reviewed include the BLM GLO Records web site, http://www.glorecords.blm.gov, which include land patent and general land office survey data. As this area was not settled by Spain, land grant records were not reviewed. The review was conducted for the Area of Potential Effects (APE) and 500 meters (m) (0.31 mile) surrounding the APE. The land the proposed project is located on is part of the June 21, 1898: New Mexico Territorial Grant (30 Stat. 484) patented on November 22, 1912, and October 29, 1913.

Information regarding the findings can be found in Table 1 and 2 and Figure 1.

Recommendation:

The APE and surrounding 500 m (0.31 mile) have been subject to 25 cultural resource surveys, 23 of which were conducted within the last 10 years (NMCRIS 154124). One previously recorded site (LA 197049) is within the 500 m (0.31 mile) search buffer, but outside of the APE. The project area is entirely located on NMSLO-managed lands. The project area is not completely covered by previous survey; however, it is located on previously disturbed land from oil and gas construction activities. Per Anne Curry at NMSLO, because all ground disturbing activities will remain within the disturbed area, no additional survey is required (8/16/2024). SWCA recommends the completion of an ARMS letter to satisfy the requirements of the reclamation area. All reclamation work will remain within the approved existing disturbance. If cultural materials are identified during ground disturbing activities, work must stop and the NMSLO must be contacted.

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Principal Investigator:

Enclosure: (1) Review Results Tables (2) ARMS Map





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Archaeological Resources Management Section (ARMS) Review Results

92634 Ref No:

Table 1. Cultural surveys within 500 meters of proposed project.

Activity	Performing	Lead Agency	Total	Activity	Performing	Report Title	
No	Organization		Acres	Start Date	Organization Ref		Author
NO					No		
98884	Boone Archaeological Services, LLC	US Bureau of Land Management Carlsbad Field Office	18.75	3/21/2006	BAS-03-06-42	A Class III Archaeological Survey to Connect a Salt Draw 11 Federal #1 to MA Com #1	Jeffery Pangburn
123140	Boone Arch Svcs of NM	NM Department of Transportation	49.20	2/22/2012	BASNM 02-12-17	A Class III Archaeological Survey for the Reconductor of the Xcel Energy Powerline Located on the Eastern Side of US 285, South of Malaga, between Mileposts 10 and 15	Christine Mavrick
130848	Four Corners Research	NM Department of Transportation	167.80	6/12/2014	13-541	Cultural Resources Survey and Documentation for Pavement Rehabilitation and Shoulder Widening on US 285 from the Texas State Line (Milepost 0.0) to Milepost 11.0, Eddy County, New Mexico	David H. Greenwald, Jeremey T. Davis, and Michael Blet
132608	SWCA Environmental Consultants	NMSLO	28.55	1/19/2015	N/A	A Cultural Resources Investigation for the Proposed Cimarex Expansion Project in Eddy County, New Mexico	Brianne Sisneros and Ryan Brucker
134732	Statistical Research, Inc.	NMSLO	250.56	11/12/2015	15-118	A Cultural Resource Inventory for the ACC Phase II Segment A-11	Monica Murrell, Tim Mills, and Amanda Hernandez



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						Pipeline Project in Eddy County,	
						New Mexico	
135129	Advanced Archaeological Solutions	NMSLO	27.90	2/1/2016	AAS 16-383	Cultural Resource Survey for Devon Energy Production Company, L.P. of Approximately 11,825 linear feet (2.25 Miles) of Proposed Buried Pipeline for the Ice Man 4 State 1H Battery Connect Located within Section 2, 3, 4 and 11; Township 25 South, Range 28 East in Eddy County, New Mexico	Michael Stowe
138247	SWCA Environmental Consultants	NMSLO	16.84	6/1/2017	17-302	Cultural Resource Survey for the Crestwood Hoss Connector Line	Brandon Gonia
139009	SWCA Environmental Consultants	US Bureau of Land Management Carlsbad Field Office	588.50	7/12/2017	17-571	A Class III Archaeological Survey for the Proposed Willow Lake Pipeline Project in Eddy County, New Mexico, and Culberson County, Texas	Brianne Sisneros
141142	Marron & Associates	US Department of Transportation Federal Highway Administration	260.20	7/17/2018	16066.14C	A Cultural Resource Survey for Proposed NMDOT Improvements along US 285 between Milepost 0 and Milepost 22, Eddy County, New Mexico (CN 21002161)	Toni R. Groar, Tadhg Kirwan, and R. Stanley Kerr
141276	TRC, Inc.	US Bureau of Land Management Carlsbad Field Office	697.07	7/11/2018	305277.0400-C-01	Cultural Resources Survey of NGL Water Pipelines LLC's Proposed 16-inch Pipeline in Southern Eddy County, New Mexico and Northeastern Culberson County, Texas	Kenneth L. Brown
141334	Tetra Tech, Inc.	NMSLO	52.42	8/30/2018	N/A	An Archaeological Survey of the Solaris Lobo 285 to Blackmon SWD Project, Eddy County, NM	Tim Mills and Mark Karpinski
142283	Boone Archaeological Consultants, LLC	NMSLO	10.07	1/10/2019	BARC 01-19-03	A Class III Archaeological Survey for the Lucid Energy Delaware, LLC Proposed Rick Deckard Flowline (AFE 180186), Eddy County, New Mexico	Stacy K Galassini and Joshua W. Broxson



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142879	Boone Archaeological Consultants, LLC	NMSLO	27.78	3/11/2019	BARC 03-19-08	A Class III Archaeological Survey for the Oryx Delaware Oil Gathering NM, LLC Proposed Carlsbad Salt Draw 6" Lateral Pipeline, Eddy County, New Mexico	Stacy K Galassini and Joshua W. Broxson
142880	Boone Archaeological Consultants, LLC	NMSLO	30.61	3/11/2019	BARC 03-19-10	A Class III Archaeological Survey for the Oryx Delaware Oil Gathering NM, LLC Proposed Carlsbad Salt Draw 1 - 4" Lateral Pipeline, Eddy County, New Mexico	Stacy K Galassini and Joshua W. Broxson
143877	Goshawk Environmental Consulting	NMSLO	19.33	9/19/2019	03ED43877	A Class III Archaeological Survey of the Solaris Water Midstream, LLC, Proposed Kyle 5H Well Connect, Eddy County, New Mexico	E. van Zanten, S. Evans, S. Cox, R. Clark
144165	Goshawk Environmental Consulting	NMSLO	4.32	9/19/2019	03ED44165	A Class III Archaeological Survey of the Solaris Water Midstream, LLC, Proposed Kyle to Tin Horn Willow, Eddy County, New Mexico	E. van Zanten, S. Evans, S. Cox, R. Clark
144404	Marron & Associates	Federal Energy Regulatory Commission	876.51	9/10/2019	527319-0000038.00	A Cultural Resource Survey for the Proposed El Paso Natural Gas Carlsbad South Expansion Project, 31113 New Pipeline, Eddy and Lea Counties, New Mexico (two volumes)	Toni Goar and Keli James
145136	Boone Archaeological Consultants, LLC	NMSLO	5.97	2/7/2020	BARC 11-19-40	A Class III Archaeological Survey for the Mewbourne Oil Company Proposed Gas Pipeline from the Yuma 3-10 CN to the Lucid Tie- In, Eddy County, New Mexico	Stacy K Galassini and Joshua W. Broxson
146400	Goshawk Environmental Consulting	NMSLO	16.32	8/24/2020	03ED46400	A Class III Archaeological Survey of EOG Resources, Inc. Proposed Tomahawk Fed Unit CTB to Lobo Blackmon, Eddy County, New Mexico	E. van Zanten, S. Pritchett, S. Evans, V. Tompkins



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148337	Goshawk Environmental Consulting	NMSLO	12.09	6/30/2021	03ED48337	A Class III Archaeological Survey of the Solaris Water Midstream, LLC, Really Scary Pond Access Road, Eddy County, New Mexico	V. Tompkins, S. Evans, S. Pritchett
148367	Boone Archaeological Consultants, LLC	NMSL O	17.97	7/12/2021	BARC 07-21-09	A Class III Archaeological Survey for the Mewbourne Oil Company Proposed Boondock 3 WOOB State Com 1H, W0PA State Com 1H, W1OB State Com 2H, and W1PA State Com 2H Well Pad, Tank Battery, and Access Road, Eddy County, New Mexico	Stacy K Galassini and Joshua W. Broxson
148610	WGA Environmental, LLC	NMSLO	3.97	8/16/2021	021134-01	Cultural Resource Survey for the Boondock 1 CTB Lateral, Eddy County, New Mexico	Ralph Logan
151798	Black River Consulting, LLC	NMSLO	8.13	11/4/2022	BRC 62 22-11-01	Cultural Resource Survey for the Targa Northern Delaware, LLC, Proposed Cabo Wabo Offload Access Road, Eddy County, New Mexico	Scott Walley and Dr. Tammie L. Gerke
155228	Resi Solutions	US Bureau of Land Management Carlsbad Field Office	22.20	3/20/2024	Resi-2024-034-01	A Class III Cultural Resources Investigation for the Coterra Riverbend Gas Lines Project in Eddy County, New Mexico	Lizette Dominguez and Matthew Bandy
156141	WSP USA	US Bureau of Land Management Carlsbad Field Office	6.15	7/23/2024	182785B	A Class III Cultural Resource Survey for Yuma Loop Pipeline in Eddy County, New Mexico	Dominic Montoya and Lincoln Harschlip





7770 Jefferson Street NE, Suite 410 Albuquerque, New Mexico 87109 Tel 505.254.1115 Fax 505.254.1116 www.swca.com

Table 2. Cultural Resources within 500 meters of proposed project.

£168

LA Number	Cultural/Temporal Affiliation	Eligibility Determination
197049	Historic: Anglo, NM Statehood-WWII (1912 – 1945 A.D.)	Unevaluated (HPD Log No. 118558, 12/12/2023 with NMSLO concurring 8/14/2023)



Figure 1. NMCRIS screenshot showing location of the proposed Willow A State #001 Inadvertent Release Project area (blue square), previously recorded site (orange), and previously conducted investigations are brown and yellow polygons.

•

APPENDIX C Site Characterization Data

OCD Land Ownership



S

N-No minerals are owned by the U.S.

0.1

0.2 km

New Mexico Oil Conservation Division

0.05

U.S. BLM, Esri, HERE, Garmin, iPC, Maxar

0

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NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix (R=POD has indicates been the POD has been replaced, replaced O=orphaned, & no longer serves a C=the file is (quarters are water right file.) closed) smallest to largest)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Мар	Distance	Well Depth	Depth Water	
<u>C 04680 POD1</u>		С	ED	SW	NW	SW	03	25S	28E	586440.1	3558089.5	•	833	105	52	53
<u>C 01411 POD2</u>		С	ED	SE	NE	SE	04	25S	28E	586373.8	3558036.3	•	911	90	50	40
<u>C 01411</u>	R	С	ED	SE	SE	NE	04	25S	28E	586289.0	3558522.0 *	•	989	69	35	34
<u>C 04715 POD1</u>		CUB	ED	SW	SE	SE	34	24S	28E	587786.5	3559440.3	•	1272	40		
<u>C 02668</u>		С	ED	NE	NW	NE	09	25S	28E	585890.0	3557525.0 *	•	1558	150		

Average Depth to Water: 45 feet

(meters)

Minimum Depth: 35 feet

Maximum Depth: 52 feet

Record Count: 5

Basin/County Search: County: ED

UTM Filters (in meters):

Easting: 587250.00 Northing: 3558286.00 Radius: 001600

* UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

(In feet)

OCD Water Bodys



8/5/2024, 2:12:15 PM

OSW Water Bodys

OSE Streams



New Mexico Oil Conservation Division

Esri, HERE, Garmin, iPC, Maxar, NM OSE

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NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division
National Wetlands Inventory



August 5, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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- **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Active Mines in New Mexico



Salt

Registered Mines

 \times

Aggregate, Stone etc.

 \lesssim

 \times

Aggregate, Stone etc.

Aggregate, Stone etc.



EMNRD MMD GIS Coordinator

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NM Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)

OCD Potential Karst Areas



8/5/2024, 2:07:38 PM Karst Occurrence Potential

High



New Mexico Oil Conservation Division

BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, iPC, Maxar

Received by OCD: 9/26/2024 1:23:10 PM National Flood Hazard Layer FIRMette



Legend

Page 40 of 60



Releasea to Imaging: 9/26/2024 4994:47 PM 1,500 2,000

Basemap Imagery Source: USGS National Map 2023

APPENDIX D Regulatory Correspondence

From:	Llull, Christian
То:	Chavira, Lisbeth
Cc:	Poole, Nicholas
Subject:	[EXTERNAL]The Oil Conservation Division (OCD) has rejected the application, Application ID: 316552
Date:	Thursday, July 18, 2024 10:08:00 AM

Willow A State 001 (07-17-2022)

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Friday, July 5, 2024 3:22 PM

To: Esparza, Brittany <<u>Brittany.Esparza@conocophillips.com</u>>

Subject: [EXTERNAL]The Oil Conservation Division (OCD) has rejected the application, Application ID: 316552

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Brittany Esparza for COG OPERATING LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2221332553, for the following reasons:

- Deferral denied. The previous denial on 10/18/23 advised that COG remove contaminants safely with alternative methods (shovel, hydrovac, etc.) as well as provide photographic evidence that the surface staining has been cleaned up. Neither has occurred.
- As COG OPERATING LLC (229137) is responsible for the remediation, reclamation, and revegetation of this release, it is the responsible party's duty to include letters from the pipeline operators who are requesting a buffer zone around their pipelines to take responsibility for any contamination left in place due to their buffer zone request. If the pipeline operators are unwilling to take responsibility for the contamination located within their requested buffer zones, the responsible party will be required to remediate, reclaim, and revegetate the release pursuant to 19.15.29 NMAC. Furthermore, pursuant to 19.15.29.7C NMAC, OCD may consider a person causing the release or controlling the location of the release as the responsible party. If any pipeline operator refuses to allow the remediation, reclamation, and revegetation of this release, please include the refusal in writing. OCD reserves the right to hold the pipeline operator as the responsible party.
- Until COG removes contaminants to the MEP a deferral will not be granted. Resubmit report to the OCD by 8/5/24.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 316552. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you, Shelly Wells Environmental Specialist-A 505-469-7520 Shelly.Wells@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

From:	Wells, Shelly, EMNRD
То:	Abbott, Sam
Cc:	Llull, Christian; Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] Extension Request - Willow A State 001 Tank Battery (NAPP2221332553)
Date:	Tuesday, August 6, 2024 10:44:55 AM
Attachments:	image001.png
	image002.png
	image003.png
	image004.png
	image005.png

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Good morning Sam,

The extension request for NAPP2221332553 WILLOW A STATE 001 is approved. The new due date to submit your remediation closure report to the OCD is October 3, 2024. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520<u>|Shelly.Wells@emnrd.nm.gov</u> http://www.emnrd.state.nm.us/OCD/

From: Abbott, Sam <Sam.Abbott@tetratech.com>
Sent: Monday, August 5, 2024 8:39 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Llull, Christian <Christian.Llull@tetratech.com>
Subject: [EXTERNAL] Extension Request - Willow A State 001 Tank Battery (NAPP2221332553)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To Whom it May Concern,

On behalf of ConocoPhillips, Tetra Tech is requesting a 60-day extension (October 3, 2024) to complete reporting for the Willow A State 001 Tank Battery Release (NAPP2221332553).

Due to the site complexity, this release is now being investigated and handled by the ConocoPhillips

Risk Management team. Additional time is needed to coordinate with adjacent pipeline operators to prepare a remediation plan to safely remove contaminants associated with the release to the maximum extent practicable.

A complete report will be submitted to the NMOCD within the proposed timeframe pursuant to the conditions specified by the NMOCD on July 5, 2024.

Thank you in advance. Sam

Samantha Abbott, PG | Project Manager

Direct Mobile +1 (512) 739-7874 | Business +1 (512) 338-1667 | Sam.Abbott@tetratech.com

Tetra Tech, Inc. | Leading with Science[®] | OGA

8911 N Capital of Texas Hwy #2310 | Austin, TX 78759 | tetratech.com

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APPENDIX E Photographic Documentation







TETRA TECH, INC. DESCRIPTION View south. Raised steel surface lines on west side of vessels.			6
PROJECT NO. 212C-MD-03573	SITE NAME	Willow A State #001 Tank Battery Release	8/1/2024

ConocoPhillips 01 Aug 2024, 09:41:00

Willow A State 001 Tank Battery Release









District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 387437

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	387437
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2221332553
Incident Name	NAPP2221332553 WILLOW A STATE 001 @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Facility	[fAPP2203532080] WILLOW A STATE #1 BATTERY

Location of Release Source

Please answer all the questions in this group.	
Site Name	WILLOW A STATE 001
Date Release Discovered	07/17/2022
Surface Owner	State

Incident Details

Please answer all the questions in this group.		
Incident Type	Oil Release	
Did this release result in a fire or is the result of a fire	No	
Did this release result in any injuries	No	
Has this release reached or does it have a reasonable probability of reaching a watercourse	No	
Has this release endangered or does it have a reasonable probability of endangering public health	No	
Has this release substantially damaged or will it substantially damage property or the environment	No	
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No	

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. Cause: Equipment Failure | Valve | Crude Oil | Released: 195 BBL | Recovered: 100 BBL | Crude Oil Released (bbls) Details Lost: 95 BBL Produced Water Released (bbls) Details Not answered. Is the concentration of chloride in the produced water >10,000 mg/l Not answered. Condensate Released (bbls) Details Not answered. Natural Gas Vented (Mcf) Details Not answered. Natural Gas Flared (Mcf) Details Not answered. Other Released Details Not answered. Are there additional details for the questions above (i.e. any answer containing Not answered. Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

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

Action 387437

Page 55 of 60

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	387437
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.		
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian Ilull@tetratech.com	

Date: 09/26/2024

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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

QUESTIONS (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	387437
	Action Type:
	[C-141] Site Char /Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	d the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	emonstrating the lateral and vertical extents of soil contamination	associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertic	al extents of contamination been fully delineated	Yes
Was this release entirely of	contained within a lined containment area	No
Soil Contamination Samplin	g: (Provide the highest observable value for each, in mi	lligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	20900
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	45700
GRO+DRO	(EPA SW-846 Method 8015M)	39092
BTEX	(EPA SW-846 Method 8021B or 8260B)	389
Benzene	(EPA SW-846 Method 8021B or 8260B)	
	(2171011010100002120102002)	17
Per Subsection B of 19.15.29.11	, , , , , , , , , , , , , , , , , , ,	
Per Subsection B of 19.15.29.11 which includes the anticipated tin	NMAC unless the site characterization report includes completed	
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w	NMAC unless the site characterization report includes completed melines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t	NMAC unless the site characterization report includes completed melines for beginning and completing the remediation. ill the remediation commence	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was)	NMAC unless the site characterization report includes completed melines for beginning and completing the remediation. ill the remediation commence the final sampling or liner inspection occur	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 01/06/2025 01/08/2025
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf	NMAC unless the site characterization report includes completed melines for beginning and completing the remediation. iill the remediation commence the final sampling or liner inspection occur the remediation complete(d)	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 01/06/2025 01/08/2025 01/15/2025
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf What is the estimated volu	NMAC unless the site characterization report includes completed melines for beginning and completing the remediation. iill the remediation commence the final sampling or liner inspection occur the remediation complete(d) face area (in square feet) that will be reclaimed	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 01/06/2025 01/08/2025 01/15/2025 1370
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date w On what date will (or did) t On what date will (or was) What is the estimated surf What is the estimated volu What is the estimated surf	NMAC unless the site characterization report includes completed melines for beginning and completing the remediation. ill the remediation commence the final sampling or liner inspection occur the remediation complete(d) face area (in square feet) that will be reclaimed ime (in cubic yards) that will be reclaimed	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 01/06/2025 01/08/2025 01/15/2025 1370 215

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

QUESTIONS, Page 3

Action 387437

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

QUESTIONS, Page 4

Action 387437

Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	387437	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS (continued)

QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: (Select all answers below that apply.) (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes Which OCD approved facility will be used for off-site disposal HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510] OR which OCD approved well (API) will be used for off-site disposal Not answered. OR is the off-site disposal site, to be used, out-of-state Not answered. OR is the off-site disposal site, to be used, an NMED facility Not answered. (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) Not answered (In Situ) Soil Vapor Extraction Not answered. (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered. (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered. (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered. Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations Name: Christian LLuLL Title: Project Manager I hereby agree and sign off to the above statement Email: christian.llull@tetratech.com Date: 09/26/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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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

QUESTIONS,	Page	5

Action 387437

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QUESTIONS (continued)		
Operator: COG OPERATING LLC	OGRID: 229137	
600 W Illinois Ave Midland, TX 79701	Action Number: 387437	
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		

ſ				
	Deferral	Req	uests	Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.			
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο		

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

QUESTIONS, Page 6

Action 387437

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QUESTIONS (continued)		
Operator: COG OPERATING LLC	OGRID: 229137	
600 W Illinois Ave Midland, TX 79701	Action Number: 387437	
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		
Sampling Event Information		
Last sampling notification (C-141N) recorded	{Unavailable.}	

No

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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

CONDITIONS	
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Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	387437
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
	·

CONDITIONS

Created By Condition

Remediation plan approved. Submit deferral request or remediation closure report to OCD by 12/25/24. scwells

CONDITIONS

Action 387437

Condition Date

9/26/2024