

Hamlet, Robert, EMNRD

From: Hamlet, Robert, EMNRD
Sent: Tuesday, July 23, 2019 9:24 AM
To: 'Andresen, Rebecca'
Cc: Venegas, Victoria, EMNRD; Bratcher, Mike, EMNRD; 'Jason Michelson'
Subject: RE: Candelario 24-1 SWD Battery, 2RP-4201

Rebecca,

We received the Sample Summary and Site Map that SMA put together, thank you. After looking at the NM OCD Environmental Map, the depth to groundwater in this area appears to be very shallow (20-30'). The soil investigation indicated that the chloride impacts extend to between 5 and 14 feet deep. Contaminated soil was excavated and removed to a depth of 4 feet below ground surface, thank you. We can give you a 12 month extension if the wells will be plugged and addressed by then.

After the well has been plugged and abandoned, delineation sampling will need to continue. Sidewall samples SW2, SW3, SW5 through SW10 were above the limit, meaning the sidewall excavations will need to be extended until they are under the 600 mg/kg chloride limit. Additionally, the first clean sample on B1 was at 9 feet and B2 at 24 feet. It might be in your interest to drill an additional borehole at each location. SMA used such large increments in between samples (Surface, 14 ft, 24ft) that its very difficult to see at what depth the contaminants end. The OCD suggests smaller sample increments of maybe two feet, so you will know exactly what depth to excavate to. Chlorides will need to be excavated until contaminants are below the 600 mg/kg chloride limit, which will require extensive excavation.

If you feel the depth to groundwater is >50', a shallow borehole can be drilled to 55' allowing for verification of the depth. If water is not visible after reaching bottom-hole and waiting 72 hours, sample points would be allowed for deferral.

Please, let me know if you decide to drill a borehole or have any questions.

Thank you,

Robert J Hamlet
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 840-5963
Robert.Hamlet@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

From: Andresen, Rebecca <Rebecca.Andresen@arcadis.com>
Sent: Thursday, June 13, 2019 2:39 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; 'Jason Michelson' <JMichelson@chevron.com>
Subject: [EXT] Candelario 24-1 SWD Battery, 2RP-4201

Mr. Hamlet,

Please find attached a Site Deferral Letter regarding NMOCD Case No. 2RP-4201. A release at this location was reported to the NMOCD in May 2017. A report documenting initial cleanup activities was submitted to the NMOCD in September 2018. Chevron acquired the lease for this well in October 2018 and is planning to plug and abandon the well. We are respectfully requesting a review and determination of the September 2018 report, and deferral of additional investigation activities until the facility is decommissioned.

Please let us know if you have questions.

Best Regards,

Rebecca Andresen, P.G. | Vice President | rebecca.andresen@arcadis.com
Arcadis | 1100 Olive Way, Suite 800, Seattle, WA | 98101 | USA
T. +1 206 726 4717 | M. +1 206 295 3273

Professional Registration / WA-2588 | GA-1589 | TN-4728

Connect with us! www.arcadis.com | [LinkedIn](#) | [Twitter](#) | [Facebook](#)



This email and any files transmitted with it are the property of Arcadis and its affiliates. All rights, including without limitation copyright, are reserved. This email contains information that may be confidential and may also be privileged. It is for the exclusive use of the intended recipient(s). If you are not an intended recipient, please note that any form of distribution, copying or use of this communication or the information in it is strictly prohibited and may be unlawful. If you have received this communication in error, please return it to the sender and then delete the email and destroy any copies of it. While reasonable precautions have been taken to ensure that no software or viruses are present in our emails, we cannot guarantee that this email or any attachment is virus free or has not been intercepted or changed. Any opinions or other information in this email that do not relate to the official business of Arcadis are neither given nor endorsed by it.