

Incident ID	NDHR 1917159396
District RP	1RP-5561
Facility ID	fDHR 1917159219
Application ID	pDHR 1917158937

Remediation Plan


Remediation Plan Checklist: *Each of the following items must be included in the 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: Rob Kirk Title: General Manager, HSE and Compliance
 Signature:  Date: August 29, 2019
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OCD Only

Received by: Victoria Venegas Date: 12/10/2019

☐ Approved ☐ Approved with Attached Conditions of Approval ☒ Denied ☐ Deferral Approved

Signature:  Date: 12/10/2019

Remedial Action Plan for Zeus SWD Flowback Line Produced Water Release (1RP-5561). This Remediation Plan is denied for the following:

- The Depth to Groundwater (DWG) has been incorrectly assessed. There are no wells within a ½ mile radius of the release source. OCD cannot accept the DWG of a well (CP-01701-POD1) that is over 1.5 miles from the release site. Per rule 19.15.29.11 (A)(2) NMAC: "The responsible party must determine the depth to ground water where the release occurred". If Solaris believes the DGW is >100', a borehole will need to be drilled on-site at 105' and leave it open for at least 72 hours. If there is no evidence of water after 72 hours, the OCD will accept this as evidence. We will need a copy of the driller's log.

For further clarifications regarding the implementation of the spill rule, visit the OCD website: <http://www.emnrd.state.nm.us/OCD/documents/OCDInternalPolicy-SpillRuleClarifications.pdf>