

Hamlet, Robert, EMNRD

From: Hamlet, Robert, EMNRD
Sent: Monday, November 18, 2019 1:28 PM
To: 'Rob Kirk'
Cc: Bratcher, Mike, EMNRD; Venegas, Victoria, EMNRD; Billings, Bradford, EMNRD; Griswold, Jim, EMNRD
Subject: Remediation Conditional Approval - Solaris Water Midstream - Okeanos #1 SWD Flowback Line - (1RP-5407) 2-23-2019
Attachments: Remediation Conditional Approval - Solaris Water Midstream - Okeanos #1 SWD Flowback Line - (1RP-5407) 11.18.19.pdf

Rob,

We have received your Workplan/Remediation Proposal for **1RP-5407 Okeanos #1 SWD Flowback Line**, thank you. This Workplan/Remediation proposal is conditionally approved with the following conditions:

- All off pad areas to contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than (600 mg/kg Chloride, 100 mg/kg TPH, etc..).
- If the bottom sample is "hot" when you hit rock refusal, a hydrovac will need to be used to clean up the remaining contaminated soil on top of the rock. Additionally, a rotary drill may be used to vertically delineate the spill by drilling down/sampling the rock (12" to 18") making sure the contaminants were contained. The bottom sample needs to be below the limit for the spill to be fully delineated.

Please let me know if you have any further questions.

Regards,

Robert J Hamlet
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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.