

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Thursday, May 19, 2016 8:58 AM
To: 'Zack Thomas'
Cc: Patterson, Heather, EMNRD
Subject: RE: Layla 27 SWD #1 Corrective Action Plan

RE: Mewbourne Oil * Layla 27 SWD 1 * **2RP-3626** * DOR: 3/27/16

Zack,

I am OK with removing the top 1' to a disposal, however, OCD does request the liner placement be at 4' bgs. The reason for the placement depth is primarily, protection of the liner. Future changes, installation of lines, etc. at the facility may require trenching, and at 2', the liner would stand a chance of being compromised. Also, any future spill events may require 1' to 2' material removal, which could jeopardize the liner integrity. At 4', that liner being intact will be a consideration for any future remedial requirements. With the top 1' being hauled, an equivalent volume of clean backfill may be blended with the remaining excavated soils, and backfilled. Some cushioning may be required directly under and over the liner, depending on condition of excavation and backfill material, ie. rocks, protuberances, etc. A minimum 20 mil HDPE liner will be required, with a 30 mil or more suggested (possibly double up on a 20 mil?).

If you have any questions or concerns, please contact me. If this is agreeable, please notify once remedial activities have been scheduled.

Thanks,

Mike Bratcher
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From: Zack Thomas [mailto:zthomas@mewbourne.com]
Sent: Wednesday, May 18, 2016 9:15 AM
To: Bratcher, Mike, EMNRD
Subject: Layla 27 SWD #1 Corrective Action Plan

Mike,

We've proposed to excavate 1' and haul off out of the leak area. The highest chloride content is from surface to 1'. I believe blending will be a good solution for contaminated in between 1' and 2', putting the liner on bottom at 2', because chlorides are in the 2000 range at that depth so can be easily blended down below 1000. Please call me if you want to discuss.



Zack Thomas

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