Bratcher, Mike, EMNRD

From: Sent: To: Cc: Subject: Fred Holmes [fred@etechenv.com] Thursday, November 17, 2011 11:21 AM 'Gregston, Terry G' 'Ron Ragland'; 'Joe Hernandez'; 'Daniel Frick'; Bratcher, Mike, EMNRD LINN Energy - Keel A 14 - Injection Line - Inspection Recap

Terry:

Yesterday we inspected the Keel A #14, Injection line release. The inspection resulted in the following:

- 1. It had been noted from laboratory and field screening analysis there were still slightly elevated levels of chlorides in the bottom of the excavation which ranges from 10 12' bgs. In earlier discussion with you and Mike Bratcher, concurrence was given to backfill over the line are to allow the injection system to be brought back on line.
- 2. The north and south side walls have a layer at approximately 7' bgs with chloride levels ranging from 1330 1700 mg/kg. This appears to be part of an older historical spill. Given the depth and total area excavated we concurred to collect one more set of samples from this interval on the north and south walls. If the chloride levels are still elevated above 1,000 mg/kg but still within the field screening ranges noted earlier we will proceed with backfilling the entire excavation. Samples were collected at around 1730 hours yesterday. I should have the analytical results this afternoon. All other areas at the 3'-5 interval range from non detect to far less than 1,000 mg/kg.
- 3. With regards to backfilling, it was discussed to install a layer of caliche on the pasture road leading from the excavation to the pad site. I noted we had only used frontend loaders to remove soil and stage it to the pad area. The soil was then loaded into trucks and transported off-site for disposal. Our intention is to bring the backfill material to the pad via truck and then stage it to , and place it into, the excavation via loader. The road area will be backfilled and ripped and dressed when backfilling, dressing and contouring is complete. This will eliminate having to install and remove the caliche which would likely bring out more clean soil with the caliche then which would then mean utilizing additional topsoil for backfill; which is a resource we would rather conserve.
- 4. Re seeding of the site will be in accordance with BLM specifications.

As soon as I receive the analytical results I will forward them to you. If the results are acceptable, I will move forward to closure and submission of the closure report. Thank you again for your assistance.

Respectfully:

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