

From: [Lara Weinheimer](#)
To: [Bratcher, Mike, EMNRD](#); [Patterson, Heather, EMNRD](#)
Subject: FW: Linn J.L. Keel A #11 - Corrective Action Plan - BLM CAP Approval
Date: Friday, May 30, 2014 8:01:49 AM

From: Van Curen, Jennifer [mailto:jvancure@blm.gov]
Sent: Friday, May 30, 2014 7:26 AM
To: Lara Weinheimer
Cc: Hack Conder; Jacob Kamplain; Wall, Fred; Laura Flores
Subject: Re: Linn J.L. Keel A #11 - Corrective Action Plan

Lara,

This falls in LPC habitat.

At sample points 3-6, I would like to see what it is at 3 and 4 ft. It looks like the cls are on the rise. Blending approval will not be approved. The TPH will need to be removed since they are just at the surface in all areas. The chlorides in point 2 are deep enough to not do any digging other than removing the TPH unless depth to water is a problem or Linn wants to dig and haul the 5' and line. We can monitor for vegetation success. Sample point 1 will need to be lined and delineated horizontally. I also would like to know why that popped up out there or if it is an older release.

So, get me a 3' and maybe a 4' sample at the points 3-6.

Add to plan that surface contaminants will be removed in all areas, and pull a little soil from sides in to add some topsoil. It looks like there may have been an older spill present, and I don't want to give it the opportunity to rise again if it hasn't.

Some calcium can be added to help aid in the drive of chlorides down below root zones if depth to ground water is not an issue with OCD.

Sample point 1 will need to be removed to 5' with a 40 mil liner min. due to the long root system of shinnery.

Sidewall samples will need to be obtained on sample 1 before lining. A trench to 3' around edge for liner to be keyed down will be needed.

Caliche can be used for backfill to 2' of surface and compacted in a convex shape. The convex shape will assist the water to shed off of liner and allowing roots to move horizontally; furthermore, helping to prevent roots from penetrating liner in years to come.

If you have any questions please let me know.

JENNIFER E VAN CUREN

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"There are known knowns. These are things we know that we know. There are known unknowns. That is to say, there are things that we know we don't know." Jim Perry

On Thu, May 29, 2014 at 2:39 PM, Lara Weinheimer <lweinheimer@rice-ecs.com> wrote:
Jennifer, attached is the Corrective Action Plan for the Linn J.L. Keel A #11. If you have any questions, please let us know. Otherwise, we await your approval.

Thanks!

Lara Weinheimer
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