

From: [Randall Hicks](#)
To: ["Hughes, Solomon"](#)
Cc: ["Gonzalez, Luis"](#); [Bratcher, Mike, EMNRD](#)
Subject: RE: Southwest Royalties - North Hackberry Yates Well #105
Date: Friday, August 15, 2014 12:36:44 PM

Sol

As we discussed, the plan would be as written with the understanding that

1. The impact to the arroyo is removed to disposal
 - a. The final report will provide evidence of removal and
 - b. Post-removal sampling to demonstrate that material meets standards (which are 600 mg/kg chloride for NMOCD for similar situations)
2. The horizontal impact sampling along the pipeline will be completed to ensure we cap all material with a chloride concentration greater than 600 mg/kg (to meet OCD standards or similar situations)
3. I believe the material for the 4-foot soil cover above the geomembrane cap has been sampled. If so, we will provide the results in the final report. If not, we will get that sample for you.

I will contact Mike Bratcher mid-next week to ensure we have the bases covered from the OCD standpoint and then we will schedule a data to implement and complete the remedy.

Have a good weekend.

Randall Hicks
RT Hicks Consultants
Office: 505-266-5004
Cell: 505-238-9515

From: Hughes, Solomon [mailto:shughes@blm.gov]
Sent: Friday, August 15, 2014 9:00 AM
To: Randall Hicks
Cc: Gonzalez, Luis
Subject: Re: Southwest Royalties - North Hackberry Yates Well #105

Randy,

As per our discussion, yesterday. I would like to go ahead and approve the overall plan for the cleanup of this site. For clarification purposes, I will add the following statements:

1. Chloride contamination needs to be excavated to below 1000ppm or capped off.
2. A horizontal delineation needs to be performed before capping to ensure the cap(s) adequately extended over "hot" chloride areas, areas above 1000ppm.
3. Soil being used to backfill should be tested for contamination before it is emplaced.

Please, let me know if there is anything I have left out.

Bests,
Sol

Sol Hughes

Environmental Protection Division
Bureau of Land Management
620 E. Greene St
Carlsbad, NM

Office: 575.234.5951
Cell: 575.499.3378

On Mon, Aug 4, 2014 at 5:08 PM, Randall Hicks <r@rthicksconsult.com> wrote:
Mr. Hughes and Mr. Bratcher

Attached is the proposed remedy for the above-referenced release.

Please contact me if you have any questions or concerns.

Randall Hicks
RT Hicks Consultants
Office: 505-266-5004
Cell: 505-238-9515