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**Cc:** ["Hack Conder"](#); ["Jacob Kamplain"](#); ["Kyle Norman"](#); ["Laura Flores"](#); ["Baker, Larry"](#)  
**Subject:** Apache Randy Federal Water Station - Excavation Sampling Data and Lab  
**Date:** Friday, July 18, 2014 8:49:13 AM  
**Attachments:** Apache Randy Federal Water Station - Excavation Sampling Data and Lab.pdf

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Apache wished me to send you this map and lab.

Although, the site was excavated to 4 ft bgs, bottom samples were still above regulatory samples. Apache is concerned regarding installing a vertical to determine the depth of the contamination at the site. Given the multiple lines in the area, installing a vertical could easily engender a safety hazard for the field personnel. Therefore, Apache would like to install a liner across the bottom of the excavation to inhibit the residual constituents from moving through the vadose zone. Given that there is no groundwater beneath the site and the liner will be installed below the root layer, a liner installation should ensure both a safe work environment for personnel and an effective remedy for environmental concerns at the site. The site would be backfilled with clean soil and seeded as prescribed by BLM.

Chloride readings of two of the south wall samples are also elevated. A non-Apache line is running along the southern edge of the excavation and the company does not want Apache to encroach on their line. Apache excavated to within 5 ft of the line and then sampled the south wall.

If you have any questions, please let Bruce Baker from Apache know.

Thanks!

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