

**From:** [Crissy Forrest](#)  
**To:** [Bratcher, Mike, EMNRD](#); [Amos, James](#); [Patterson, Heather, EMNRD](#)  
**Cc:** [Casey Snow \(csnow@matadorresources.com\)](#); [Gayle Kirkland](#)  
**Subject:** Salt Draw No. 1  
**Date:** Monday, March 02, 2015 7:28:36 AM

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Hello,

Brief summary of the hydrocarbon contaminated soil clean- up and reserve pit surface reclamation options at the Salt Draw No. 1 as discussed at the February 26, 2015 meeting.

- 1) The top two feet of soil from the legacy pit area will be excavated, sampled for disposal classification and disposed of at an appropriate landfill.
- 2) The area will then be lined with a plastic barrier for placement and potential bioremediation of soils excavated from the spill area.
- 3) The spill area will be excavated to an approximate depth of 4 feet.
- 4) Confirmation samples will be collected approximately a foot below terminal excavation depth and analyzed for TPH EPA Method 8015.
- 5) During this time the African Rue located onsite will be bagged, with its root severed and placed in open excavation area for burial.
- 6) After approval from NMOCD the spill excavated area will be back-filled with clean soil, tank battery reconstructed and production resumed.
- 7) After contaminated soils are remediated to acceptable levels, the soils will be spread level over the pit area.
- 8) The remediated soils will be seeded with approved BLM seed mix. If needed additional top soil will be added to return the area to grade.

As with any project of this magnitude, if the economics of this bioremediation work plan do not prove to be the most cost effective, Matador may choose to excavate and dispose of the hydrocarbon impacted soils.

If everyone is in agreement of the above understanding of the proposed plan of action, Sphere 3 will prepare a work plan to be provided to Matador for approval and then submitted to the NMOCD and BLM for final approval before beginning work on the site.

Also, please note my new email address [forrest@sphere3env.com](mailto:forrest@sphere3env.com)

*Crissy Forrest*

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