

## Bratcher, Mike, EMNRD

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**From:** tgregsto@blm.gov  
**Sent:** Thursday, May 19, 2011 5:16 PM  
**To:** Bratcher, Mike, EMNRD; dpotter@lennenergy.com  
**Cc:** Michael Stubblefield  
**Subject:** Re: Turner B 104 work plan, revised and resubmitted by Talon on 05/16/11

### Turner B 104 Work Plan:

The work plan for the Turner B 104 is approved with the following stipulations:

1. Notify Terry Gregston, (575) 361-2635, when you move equipment onto the location to begin cleanup operations.
2. Notify Terry Gregston in the event that you encounter excavation difficulties, unexpected void areas, or archeological artifacts. An onsite may be required to assess the situation.
3. The BLM requires horizontal cleanup of the spill impacted areas in addition to vertical cleanup/mitigation measures.
4. Bioremediation of hydrocarbon affected soils is approved on the following conditions: a.) organic or slow release fertilizers will be used to avoid creating conditions that are too nitrogen hot to establish native vegetation and/or creating conditions that deter microbial growth; b.) the operator will actively work the bioremediation area at least once a month, if not more often, to ensure aeration necessary for bioremediation processes; c.) the site will be watered with fresh water to promote microbial development at least once a month, if not more often; d.) the soil will be sampled once every six months until closure levels are achieved; e.) failure to obtain closure levels and/or failure to maintain an active bioremediation program on the site will result in a Written Order to dig and haul the contaminants to an authorized land disposal facility.
4. The BLM will wish to inspect the chloride excavation on the pad once it reaches cleanup depth/width. Confirmation samples of the bottom, sidewalls, and any visibly affected areas outside of the excavation trench will be required; the BLM will witness the sampling. Contact Terry Gregston to schedule.
5. Lab analysis of the confirmation sampling must be forwarded to Terry Gregston at [terry\\_gregston@nm.blm.gov](mailto:terry_gregston@nm.blm.gov) for final approval before backfilling. Based on the sampling results, additional cleanup may be required or the site may be approved for closure.
6. Once final approval of cleanup is given, the excavation can be lined and backfilled with clean soil.
7. Install pad berms to prevent future spills from entering the reclaimed pasture areas.
8. When bioremediation is successful (or abandoned and contaminated soils are replaced with clean soils), install erosion control measures in the pasture-affected areas to prevent the unconsolidated soils from washing or blowing away. Seed reclaimed and equipment-impacted pasture areas with a combination BLM seed mix #2 and #4 (50/50 mix).
9. Notify the BLM when the site work is finished for final inspection and sign off on spill cleanup.
10. Continue to monitor spill reclamation area to ensure impacted pasture areas revegetate and that erosion issues do not develop.

BLM approval of this proposal does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health, or the environment, or if the location fails to reclaim properly. In such an event that location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations.

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