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August 28, 2006

Mr. David Cobrain
State of New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303



Reference: Work Assignment No. 06280.170.0002; State of New Mexico Environment Department, Santa Fe, New Mexico; General Permit Support Contract; Technical Review of the Response to NMED July 14, 2006 Request for Additional Information, for Remedy Design Work Plan For The Los Alamos Site Office TA-73 Airport Landfill, Revision 2, Dated April 2006; Los Alamos National Laboratory, Los Alamos, New Mexico; Draft Deliverable

Dear Mr. Cobrain:

TechLaw has reviewed the additional information provided by the DOE and the Los Alamos National Security, LLC (Permittees) in response to NMED July 14, 2006 Request for Additional Information for Remedy Design Work Plan (Work Plan) for the Los Alamos Site Office (LASO) TA-73 Airport Landfill, Revision 2, dated April 2006.

TechLaw reviewed the following additional information provided:

- Response to NMED July 14, 2006 comments
- Job Mix Formula for Matcon Asphalt (final design)
- Design calculations for mechanically stabilized earth retaining walls (final design)
- Construction drawings for mechanically stabilized earth retaining walls (approved for construction)
- Hangar Foundation Design drawings (approved for construction)
- Capping system details – Drawing 2005-B (approved for construction)
- Construction Specifications

In general, the responses to NMED July 14 comments have been adequately addressed with the exception of Comment No. 4 regarding slope stability. The response notes that the reference in Section 2.2 of the Work Plan to increased stability is in comparison to a slope containing a flexible membrane line (FML) in the profile. The response concludes that no additional stability calculations are required. TechLaw is not aware of any stability calculations conducted for the north and east slopes for a cover containing a FML. We believe the original slope stability



calculations were conducted for a cover consisting of a 6-inch rip rap, 12-inch sand and 18-inch infiltration layer, which is different than the current proposed cover design profile. The current proposed cover design for the 25% and 33% slopes consists of (from top to bottom) 6-inch silty loam topsoil, 12-inch compacted fill, double sided geosynthetic drainage layer, and 6-inch compacted fill. The FML came into the design consideration only during the HELP model exercises. The proposed cover design for the 25% and 33% slopes has a drastically different profile than the originally proposed design, and we believe slope stability calculations should be conducted for the new cover design. If NMED is also not aware of slope stability calculations for the new cover design containing a FML, a comment may need to be generated regarding this issue. Upon your direction, TechLaw can contact North Wind directly to seek clarifications on this issue.

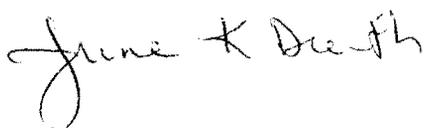
The Permittees have provided the items listed in NMED July 14, 2006 Comment No. 1 and they appear to be adequate.

It must be noted that the Permittees' cover letter indicates that the MatCon and infiltration layer test pad results will be submitted when the contractor has completed this work in the August-September timeframe.

This document is formatted in Microsoft Word. The deliverable was emailed to Mr. David Cobrain on August 28, 2006 at Dave.Cobrain@state.nm.us and Ms. Darlene Goering at Darlene.Goering@state.nm.us. A formalized hard (paper) copy of this deliverable will be sent vial mail in a few days.

Please feel free to contact me at (303) 763-7188, or Mr. Mohamed Nur, the reviewer, at (703) 818-3244, if you have any questions.

Sincerely,



June K. Dreith
Project Manager

Enclosures

Cc. D. Goering, NMED
M. Nur, TechLaw
G. Starkebaum, TechLaw
Denver Files