

**From:** Owens, Kirk W.  
**Sent:** Wednesday, December 14, 2005 7:48 PM  
**To:** Antizzo, Karen B.; Roles, Gary W.  
**Subject:** FW: SWEIS input -- suggested language

**Attachments:** SWEIS language -- groundwater remediation.doc

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-----Original Message-----

**From:** hth@lanl.gov [mailto:hth@lanl.gov]

**Sent:** Wednesday, December 14, 2005 5:23 PM

**To:** ewithers@doeal.gov

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**Subject:** SWEIS input -- suggested language

Elizabeth,

During the ER review of the SWEIS we have identified a need to include some language that addresses future (greater than 5 years from now) groundwater remediation activities. Attached is language we feel would help provide NEPA coverage for future groundwater remediation activities as identified in the NMED Consent Order.

For additional clarification, you may contact Jean Dewart at (505) 665-0239.

Todd Haagenstad  
(505) 665-2936

The cleanup requirements in the Consent Order and potential risk issues indicate a potential for groundwater remediation to be implemented in Mortandad and Los Alamos/Pueblo Canyons. The investigations of the nature and extent of groundwater contamination are currently underway and subsequent corrective measures will require NMED approval prior to implementation. As a result, the scope of the remediation projects cannot be fully defined at this time. The actual remediation activities are not likely to occur within the next five years.

Potential alternatives range from no action to significant operations in each of the two watersheds that include actions such as installation of additional shallow and deep groundwater monitoring wells, in situ bioremediation, vadose zone monitoring systems, and groundwater pump-and-treat systems. The more complex and involved remedies might include requirements for staging areas and moderate-scale infrastructure (such as plumbing for extracted water or other wastes) to support operational aspects of the remedy. Additionally, large volumes of wastewater may require a significant increase in traffic associated trucking of waste.