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## LOS ALAMOS NATIONAL LABORATORIES

\* ( HAZARDOUS WASTE UNITS: LANL has an area L, which buried every conceivable kind of waste in deep shafts, an area G, which has buried mostly radioactive waste but also mixed wastes, in deep trenches, and an area P which waste-piled barium wastes. God knows what else is up there. The areas sit on top of several hundred feet of tuff.

TAIL GROUND-WATER MONITORING SYSTEM: LANL submitted documentation for a waiver. EID reviewed it and found it insufficient; LANL submitted a revised waiver. EID found the new waiver acceptable, except for its documentation of vadose zone characteristics. To address this deficiency, EID issued a Compliance Order and Schedule which required LANL to install all sorts of vadose zone monitoring, and also side-canyon monitoring of alluvial water. LANL is in compliance with the Schedule. EPA did a CME in January 1986 and determined that a waiver is justified for LANL.

EVIDENCE OF CONTAMINATION: There is no evidence of ground water contamination. The vadose zone monitoring shows vapor-phase transport of minute amounts of organics out of the area L shafts.

PERMIT STATUS: Because the Compliance Schedule extended beyond Nov. 8, 1985, LANL did not certify compliance with gwm regs, and submitted Closure Plans for all the areas.

RECOMMENDATIONS: Approve a waiver of post-closure gwm, with the condition that vadose zone monitoring continue.



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