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MEMORANDUM

TO: Bruce Swanton
FROM: Teri Davis
DATE: June 19, 1992
SUBJECT: LANL RFI Work Plan (Sampling and Analysis Plans - Third Party Executable Verification).

Solid Waste Management Unit (SWMU) TA-31-001 (septic system) was selected for review to determine if the sampling and analysis plan presented in the RFI Work Plan for Operable Unit (OU) 1079 is third party executable. The Sampling and Analysis Plan seems very thorough in a genetic sense. Three immediate problems are as follows:

- 1) Reference is made to two documents: Laboratory ER Program SOP-01.02 (LANL 1992, 0688) and Generic QAPjP (LANL 1991, 0412) for sampling procedure details. The reference to these documents does not allow the sampling and analysis plan to be a stand alone document.
- 2) The sampling location map scale is at a scale of 1:150; a scale of 1:50 would be more appropriate.
- 3) As stated in section 6.4 (Sample Analyses) "If organic vapors are detected during field screening, those samples will also be analyzed for volatile organic compounds". As stated in section Appendix D section 6.0 "Screening measurements are applied at the point of sample collection"; will this procedure give less than adequate results? Also this procedure is not clear in terms of quantity of sample to be taken, when will the sample be taken, etc.

In summary, the sampling and analysis plan for SWMU TA-31-001 appears to be quite adequate and third party executable if the two documents mentioned above are used in conjunction with the Plan.

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