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LOS ALAMOS NATIONAL LABORATORY  
ENVIRONMENTAL RESTORATION PROGRAM

**SOLID WASTE MANAGEMENT UNIT (SWMU) DESCRIPTION  
FOR SOIL CONTAMINATION ASSOCIATED WITH A FORMER SERVICE STATION  
- SWMU NO. 0-031(a)**

**BACKGROUND INFORMATION**

- SWMU No. 0-031(a) is located on Trinity Drive near the intersection with 4th Street. The SWMU consists of a former service station which was operated by the Zia Company.
- The service station had at least two 10,000 gallon underground storage tanks that stored gasoline. Motor oils, solvents, and lubricants may have been utilized for vehicle servicing. Oil sumps may also have been present.
- The date and details of decommissioning are not available, although the building is indicated on a 1962 engineering drawing. The underground storage tanks were reportedly removed during decommissioning.
- For over twenty years, the Laboratory has conducted a comprehensive environmental monitoring and surveillance program in Los Alamos County and throughout northern New Mexico. The program is designed to identify releases from Laboratory operations which could pose a health risk to individuals living in the communities surrounding the Laboratory. No contamination is known to exist on private property which threatens the health and safety of local residents. This finding is based on assessment of technical data generated from this program. If an imminent health threat is found, immediate action will be taken by the Department of Energy and the Laboratory.
- The Laboratory and Los Alamos County receive their drinking water from ground water supplies. Contamination of these ground water supplies is highly unlikely since the depth to ground water ranges from approximately 700 to 1000 feet below the site.

**CLEANUP ACTIONS TO DATE**

There is very little information regarding the decommissioning and decontamination activities associated with this site. The underground storage tanks were reportedly removed during decommissioning. It is not known if these tanks leaked, or if contaminated soils were removed. The extent of possible contamination due to waste oils, solvents, and lubricants is also unknown.

**FUTURE ACTIONS**

SWMU No. 0-031(a) is part of Operable Unit (OU) 1071. The RCRA Facility Investigation (RFI) Work Plan for OU 1071 will be completed by May 1992 and submitted to the U.S. Environmental Protection Agency (EPA). The RFI Work Plan will identify those sites for which no further action is recommended, as well as describe investigation activities for those sites requiring further characterization. The public will have an opportunity to review the RFI Work Plan following submittal to the EPA. RFI site characterization activities are scheduled to be initiated in 1992 and completed by 1999. The Corrective Measures Study (CMS), which develops applicable alternatives for those sites requiring corrective action, is scheduled to begin in 1999 and be completed by 2001. Depending on the nature and extent of contamination, corrective action may include excavation, removal and disposal, removal and stabilization, stabilization in place, long-term monitoring and institutional controls, or no further action. Following a period of public comment on the CMS, the Corrective Measures Implementation (CMI) will provide for the cleanup or disposal according to the alternative selected by the EPA. Verification of the effectiveness of the cleanup and ongoing site monitoring will also be performed during the CMI.

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