



Environmental Restoration Project

Area of Concern (AOC) No. 1001: Building 898 Septic System, TA-I

ADS: 1295

Operable Unit: Septic Tanks and Drainfields

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Site History

Historical SNL/NM Facilities Engineering drawings indicate that this system consisted of a septic tank and drainfield approximately 35 and 60 feet respectively north of the north side of Building 898, in TA-I. As of June 1997, this system was no longer in use but the septic tank was being used as a holding tank for Building 898 restroom effluent. No other historical research has been conducted for this site.

Constituents of Concern

Constituents of concern for this site are unknown.

Current Hazards

No known surface hazards have been identified. Analytical data for soil samples collected at the site had not been compiled as of November 2001; therefore potential subsurface environmental hazards are unknown.

Current Status of Work

Samples were collected from the septic tank in 1992 and 1995 for waste characterization purposes, and the residual tank contents were removed in January 1996. As of June 1997 the septic tank was disconnected from the drainfield but was still being used as a holding tank for Building 898 restroom effluent.

A backhoe was used to expose and locate the drainfield drain lines in June 1997.

Shallow soil samples were collected from three borings drilled in the drainfield area in July 1998 and again in August 1999. These samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), total cyanide, high explosives (HE) compounds, metals, and radionuclides.

Future Work Planned

Analytical results for the soil samples collected in 1998 and 1999 will be compiled and reviewed.

To further determine if environmental contamination is present beneath this system and in accordance with agreements reached with New Mexico Environment Department (NMED) personnel, passive soil vapor samplers will be installed at the site to detect the presence of VOCs. These samplers are scheduled to be installed in Fiscal Year 2003. As shown on the site map, passive soil vapor samplers will be placed at five locations in the drainfield area. This site may be selected for deeper environmental characterization sampling if analytical results from the shallow sampling indicate potentially significant contamination

Waste Volume Estimated/Generated

A total of 426 gallons of effluent (including water added to facilitate pumping) was removed from the septic tank in January 1996. No environmental characterization or remediation waste has been generated at the site to date.

Information for ER Site 1001 was last updated Dec 18, 2001.