

Environmental Restoration Project



Area of Concern (AOC) No. 1094: Live Fire Range East Septic System, Lurance Canyon

ADS: 1295

Operable Unit: Septic Tanks and Drainfields

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Primary Contact: [Dick Fate](#)

Office Phone: 284-2568

Site History

Historical SNL/NM Facilities Engineering drawings indicate that this system consists of a septic tank and drainfield located approximately 45 and 120 feet respectively east of the Live Fire Range east perimeter fence in Lurance Canyon. This system was intact and still in use at this remote facility when the site was inspected in July 1999. 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 or analyzed as of November 2001; therefore potential subsurface environmental hazards are unknown.

Current Status of Work

No information has been found to indicate that the septic tank contents have been sampled for waste characterization purposes. Since the system is still active, it is assumed that the tank is periodically pumped out.

A backhoe was used to expose and locate the terminal ends of the drainfield drain lines in July 1999. Considerable care was exercised to avoid damaging the drain lines of this active system with the backhoe.

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

Future Work Planned

Analytical results for the soil samples collected in 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 to determine the presence or absence of VOCs at the site. This work is scheduled for Fiscal Year 2003. As shown on the site map, passive soil vapor samplers will be placed at four 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 at depth.

Waste Volume Estimated/Generated

No environmental characterization or remediation waste has been generated at the site to date.

Information for ER Site 1094 was last updated Dec 18, 2001.