

# Environmental Restoration Project



## Area of Concern (AOC) No. 1082: Building 6620 Septic System, TA-III

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 plumbed to both a seepage pit and drainfield on the northeast side of Building 6620, in TA-III. It is assumed that this septic system was abandoned in the early 1990s when the City of Albuquerque sanitary sewer system was extended into TA-III. 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 ever been sampled, or removed from the tank. It is also not known if any effluent remains in the tank.

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

Shallow soil samples were collected from three borings drilled in the drainfield area in June 1998 and again in August 1999. Soil samples were also collected from a single boring drilled down through the center of and beneath the seepage pit in January 1999, and again in August 1999. Soil 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 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 determine the presence or absence of VOCs at the site. This work is scheduled 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 at depth.

## **Waste Volume Estimated/Generated**

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

**Information for ER Site 1082 was last updated Dec 17, 2001.**