



# Environmental Restoration Project

## Area of Concern (AOC) No. 1077: Building 6920 Septic System, TA-III

ADS: 1295

Operable Unit: Septic Tanks and Drainfields

Site History .....	1
Constituents of Concern.....	1
Current Hazards .....	1
Current Status of Work .....	1
Future Work Planned .....	2
Waste Volume Estimated/Generated .....	2

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### Site History

Historical SNL/NM Facilities Engineering drawings indicate that this system consisted of a septic tank and drainfield plumbed to Building 6920, and was located approximately 60 feet northwest of Building 6920 in TA-III. This system was constructed after October 1989 and was abandoned in June 1991 when the City of Albuquerque sanitary sewer system was extended into TA-III, including this facility. Therefore, the septic system was operational for less than two years. At some point after 1991 the septic tank was filled in with dirt. Building 6926 was expanded to the east and over the area of the former drainfield in approximately 1998.

### Constituents of Concern

Constituents of concern for this site are unknown.

### Current Hazards

No known surface hazards have been identified. Analytical results for soil samples collected beneath the drainfield indicated that constituents of concern were not released to the environment from this system.

### Current Status of Work

Samples were collected from the septic tank in late 1990 or early 1991 for waste characterization purposes. Although no information has been found to indicate that the residual tank contents (if any remain) were removed from the tank, it is very likely that it was pumped before being filled with dirt.

Shallow soil samples were collected from two borings drilled in the drainfield area in May 1998 in order to clear the site for the Building 6926 expansion project. The drainfield area was covered with asphalt pavement at the time of the sampling, so it was not considered feasible to use a backhoe to physically locate the lines. Line locations were instead based on SNL/NM engineering drawings which were determined to be accurate based on surface indications (cleanouts) of the septic system location. Soil samples collected at the site were analyzed for volatile organic compounds (VOCs), high explosive (HE) compounds, metals, and radionuclides by gamma spectroscopy.

The results of this investigation were summarized in a brief letter report dated May 21, 1998, which was distributed internally to SNL/NM and Department of Energy personnel. Analytical results for soil samples collected beneath the drainfield indicated that significant concentrations of contaminants had not been released to the environment for the brief period of time that this system was operational.

## **Future Work Planned**

No future work is planned for this site. The area of the former drainfield is now covered by the expanded Building 6926.

## **Waste Volume Estimated/Generated**

No environmental characterization or remediation waste has been generated at the site to date. Effluent was most likely removed from the septic tank before it was filled with dirt.

**Information for ER Site 1077 was last updated Dec 17, 2001.**