



Environmental Restoration Project

Area of Concern (AOC) No. 1031: Former Buildings 6589 and 6600 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 and two seepage pits located on the north side of Building 6584 and west of Buildings 6589 and 6600, 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. Environmental characterization has not been conducted at the site; therefore potential subsurface environmental hazards are unknown.

Current Status of Work

Samples were collected from the septic tank in late 1990 or early 1991, 1992, and 1995 for waste characterization purposes. Residual tank contents were pumped out and the tank cleaned in February 1996.

A field inspection at the site was conducted in July 1999. The septic tank was still intact and was located, but no surface expression of the two seepage pits were found. As of November 2001 it was unknown if this system was intact or still in existence, or if it had been demolished as a

result of the Building 6584 remodeling and expansion project. A backhoe was therefore used at the site in February 2002 and two large (13-ft. diameter) seepage pits were located and found to still be intact.

To determine if environmental contamination is present beneath this system and in accordance with agreements reached with NMED personnel, additional sampling was conducted at this site. As shown on the site map, passive soil vapor samplers were installed at four locations around the two seepage pits in April 2002 to detect the presence or absence of VOCs at the site. A single soil sample boring was also drilled directly beneath each of the two seepage pits in September 2002. Soil samples collected from this boring 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

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

A total of 790 gallons of effluent (including water introduced to facilitate pumping) was removed from the septic tank in February 1996. No environmental characterization or remediation waste has been generated at the site to date.

Information for ER Site 1031 was last updated Jan 24, 2003.