



# Environmental Restoration Project

## Area of Concern (AOC) No. 1110: Building 6536 Drain 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 drain system was located approximately 200 feet northwest of Building 6536, in TA-III. No drawings were found that provide detailed information as to how this unit was constructed, and very little information has been found to indicate what this drain or system was used for. Discussions with facility personnel in 1997 indicated that it may have been used to dissipate heat from high-temperature experiments conducted inside Building 6536. This subsurface system was exposed with a backhoe in May 1997 and was found to consist of a 50-foot long by 4-foot diameter concrete pipe that had been installed in an aggregate-filled trench. 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

As stated above, this system was exposed with a backhoe in May 1997 to determine what it consisted of and how it was constructed. The system was then re-buried pending discussions

with New Mexico Environment Department (NMED) personnel to determine sampling requirements for this site.

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, two soil sample borings were drilled near the opposite ends of, and on either side of this 50-ft long drain in September 2002. Soil samples collected from these borings 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**

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

**Information for ER Site 1110 was last updated Jan 21, 2003.**