



Environmental Restoration Project

Area of Concern (AOC) No. 1009: Building 6620 Internal Sump, 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 sump was located inside of the southwest portion of Building 6620, in TA-III. These drawings indicate that it consisted of a 6-foot by 6-foot by 8-foot-deep concrete-lined vault with a 2-foot-square by 2-foot-deep gravel-filled drywell in the center of the vault floor. 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

On July 15, 1999 the interior of Building 6620 was inspected and it was determined that the sump or vault had been sealed or capped with concrete to the level of the building floor. Options for collecting soil samples from beneath the unit were discussed with New Mexico Environment Department (NMED) regulators at that time. It was later concluded that drilling an angle boring from outside the building would be the most feasible way to collect soil samples from beneath the unit.

A truck-mounted auger drilling rig was mobilized to the site on November 1, 2002, and a single soil sample boring angled at 45 degrees was drilled beneath the building, and sump. Soil samples were collected starting at borehole depths of 25 and 30 feet, and 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 1009 was last updated Jan 23, 2003.