



ER Site No. 12: Burial Site/Open Dump (Lurance Canyon)

ADS: 1333

Operable Unit: Canyons Test Area

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Site History

ER Site 12 is identified as Burial Site/Open Dump (Lurance Canyon) in the HSWA Module. It covers approximately 0.6 acres and includes the upper open arroyo channel as ER Site 12A and the lower buried portion of the arroyo channel as ER Site 12B.

Based on a review of available historical aerial photographs, the Burial Site/Open Dump was undeveloped prior to 1971. A 1975 historical aerial photograph indicates that site grading activities had buried a small portion of the arroyo. In a 1983 historical aerial photograph, the central and southern portions of the arroyo channel that dissects [ER Site 65](#) have been filled. Based on this record, activity at ER Site 12B may have been associated with the historical operation of [ER Site 65](#) or the construction activities associated with [ER Site 94](#).

ER Site 12A - Open Arroyo

This site extends from the approximate location of some concrete blocks and debris on the north to the junction with the filled arroyo channel immediately north of the cable rack. It is approximately 300-ft long and 20- to 30-ft wide.

ER Site 12B - Buried Debris in Graded Area

This site was the filled portion of the arroyo, which was approximately 450-ft long and 20- to 30-ft wide, based on historical aerial photographs. It extended south from the cable rack to a road just north of the historic drainage confluence with the Lurance Canyon main arroyo channel.

Constituents of Concern

HE

Metals

VOCs

SVOCs

Current Hazards

There are no current hazards at this site related to contamination of the surface or subsurface soils. There are no structures or stored materials that remain at the site that could be a potential hazard.

Current Status of Work

Operable Unit 1333 RFI Work Plan was submitted to EPA for approval in January 1996. A Request for Supplemental Information related to the work plan was received from the New Mexico Environmental Department (NMED) in August 1997 and, after responding to the RSI, a Notice of Deficiency was received from the NMED in April 1998.

ER Site 12A was sampled according to the work plan and a no further action (NFA) proposal was submitted to NMED in May 1997. In December NMED found Site 12A to be appropriate for No Further Action. An extensive VCM was conducted at ER site 12B in the summer of 1997. This VCM was a complete excavation of all refuse in the former watercourse, as defined by the NMED Surface Water Quality Bureau. An NFA proposal was submitted to NMED in September 1998. In December 1999, following review of SNL's response to a Request for Supplemental Information (RSI), NMED indicated that the site was appropriate for NFA approval. Site 12B was approved for removal from SNL's Hazardous and Solid Waste Act (HSWA) permit in July 2000. Site 12A was approved for removal from SNL's Hazardous and Solid Waste Act (HSWA) permit in October 2000.

Future Work Planned

No further work is planned.

Waste Volume Estimated/Generated

A combined surface radiation VCM for Sites 12, [13](#), [65](#), and [94](#) has generated 200 drums of radioactive waste. The VCM at Site 12B, conducted in late FY97, generated approximately 3,200 cubic yards of soil and approximately 65 cubic yards of scrap metal and debris including 1 drum of radioactive lead, 2 drums of non-radioactive lead, 4 cubic yards of radioactive metal, 12 cubic yards of radioactive debris, and several batteries containing hazardous constituents. The excavated soil has been sampled, verified clean, and is being used as fill material for excavations associated with the Site 94 VCAs.