

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time: 10-8-03 / 9:00 am

Site Contact(s): Annette Primrose
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Regulatory Contact: Harlan Ainscough
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Agency: CDPHE

Purpose of Contact: 904 Pad Additional Sampling

Discussion

Samples were collected in January 2003 during the IHSS Group 900-3 investigation. Based on these sample results, a data summary report was conditionally accepted by CDPHE showing that the 904 Pad operations do not require an accelerated action. However, previous samples collected during the 904 Pad construction in 1987 indicated that two locations in the northeast corner had plutonium activities in the 60 pCi/g range. Soil removal and fill activities occurred during construction of the 904 Pad. It is not clear at this time whether the area still contains elevated soil activities at depth.

The following approach was developed to evaluate this area further for possible legacy contamination. The area where the elevated samples were collected was located as precisely as possible based on the limited available information. Because the original locations were not surveyed, these are expected to be located within about 10 feet of the original locations. Stepout samples will be collected from 15 feet in each compass direction from the area of the original sample. In addition, two samples will be collected to the north of the 904 Pad in the area not previously cored because of overhead power lines.

At each location, a geoprobe or similar equipment will collect a core sample for the interval 0 to 2 feet below ground surface. The core will be examined with the CDPHE representative to determine the present top, post-excitation surface, of the native soil horizon. A sample will then be collected from a 6-inch interval starting at the top of the native soil horizon. Samples will be analyzed onsite only for radiological constituents using gamma spectroscopy.

Based on the results, additional step-out sample locations may be determined in consultation with CDPHE.

Contact Record Prepared By: A. Primrose

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