

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time: December 15, 2004 / 10:00 a.m.

Site Contact(s): Chris Gilbreath
Phone: 303-966-7355

Regulatory Contact: Steve Gunderson, Denise Onyskiw
Phone: 303-692-3367, 303-692-3371

Agency: CDPHE

Purpose of Contact: Building 371 Decontamination Activities – Canyons and Centralized Storage Vault (CSV); CSV Approval

Discussion

Several areas within Building 371 contain relatively high amounts of radioactive contamination. Specifically, the areas commonly referred to as “canyons” and the Centralized Storage Vault (CSV). Based on experiences encountered in both Building 771 and 776/777, decontaminating these areas to meet the unrestricted release criteria is not feasible. In addition to the difficulties associated with meeting the release criteria, aggressive decontamination efforts for both the CSV and the canyons pose numerous safety concerns. Specifically, the ceiling of the CSV is approximately 50’ high, while a portion of the canyon ceilings are 30’ high. In addition, these areas are relatively narrow. Implementing certain decontamination techniques may pose unacceptable industrial risks to the workers without providing any significant reduction in radiological risk.

As a result, an ALARA-based decontamination approach will be utilized in order to adequately reduce the amount of contamination, the sole purpose being to safely disposition the contaminated concrete as low-level waste during demolition activities. Canyon floors will be “shaved” in order to remove the painted surface and a portion of the concrete surface. Walls will be removed as blocks (prior to demolition) and dispositioned as low-level waste or decontaminated to radiological levels which can be safely controlled during demolition activities. Ceilings will also be decontaminated to radiological levels which can be safely controlled and packaged as waste during demolition activities. Decontamination techniques will consist primarily of paint shaving, chemical wipedowns, and/or application and removal of a paint stripper(s). Following the decontamination effort(s), radiological data will be provided to CDPHE. Once CDPHE agrees that an ALARA-based decontamination approach has been satisfied, these areas will be painted with a highly visible paint and ultimately dispositioned as low-level waste during demolition activities.

Contaminated portions will have a fixative applied prior to removal in order to mitigate the potential for airborne activity. During demolition activities air monitoring will be provided for

worker protection purposes. Following the removal of the contaminated portions of the structure, a visual examination of the rubble will be conducted in order to ensure contaminated surfaces have been removed to the extent practicable.

CSV

After numerous attempts at decontaminating the CSV (chemical wipedowns) for upper walls and the ceiling, CDPHE agrees that an ALARA-based decontamination approach has been satisfied. As a result, the ceiling and upper walls will be painted and ultimately removed as low-level waste during demolition activities utilizing the controls mentioned above.

Mr. Gunderson and Ms. Onyskiw agreed with this approach.

Contact Record Prepared By: Chris Gilbreath

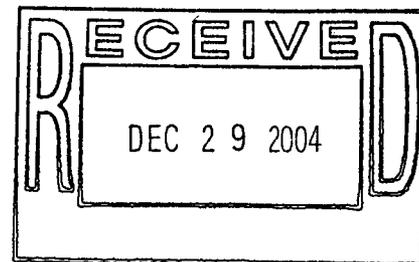
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