

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

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**Date/Time:** 10/12/04 – 1400 and 10/05/04 – 1330

**Site Contact(s):** C. J. Freiboth (KH) – (CJF-085)  
**Phone:** (303) 966-2823

**Regulatory Contact:** David Kruchek, CDPHE  
**Phone:** (303) 692-3328

**Agency:** CDPHE

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**Purpose of Contact:** Building 447 and 451 RSOP for Component Removal, Size Reduction, and Decontamination Activities, Section 3.8.1

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<b>Meeting Attendance:</b>	C. J. Freiboth, KH PM	David Kruchek, CDPHE
	K. Shuler, RFCSS	S. Roberts, DOE Rep.
	D. McCranie, DOE	G. Dreith, DOE
	D. Parsons, KH	V. Childress, RFCSS
	K. Oman, RFCSS	

## Discussion

Portions of Buildings 447 and 451 can not meet the free/unrestricted release criteria for radiological contamination as discussed in the RSOP for Facility Disposition. Radiologically contaminated portions of these facilities will be removed in accordance with the RSOP for Component Removal, Size Reduction, and Decontamination Activities, Section 3.8. Subsection 3.8.1 of this RSOP identifies six analyses that will be conducted in preparation for removing contaminated portions of the building shell.

On October 5, 2004, at 1330, the following information was presented to the State (Kruchek), to address the RSOP for Component Removal, Size Reduction, and Decontamination Activities six-point analysis:

- (1) **Relative Cost** – The main portions of these two facilities (Buildings 447 and 451) which contain the fixed radiological contamination are the steel supports columns and beams. In addition, the Building 447 mezzanine floor (which is also the basement roof) and the basement floor are radiologically contaminated. It is not possible to decontaminate the structural steel without first demolishing the buildings. Therefore this analysis is not required and will be addressed in the closeout report.
- (2) **Structural Evaluation** – The demolition of both structures (Building 447 and 451) will be completed in accordance with the Integrated Work Control Program (IWCP). The demolition documents have been review by a Colorado Registered Professional Structural Engineer, who has agreed that the demolition may proceed as described in the IWCP.

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- (3) **Air Emissions** – An analysis by the Kaiser-Hill Air Quality organization was performed which showed that the depleted uranium emissions would not exceed the 40 CFR 61, Subpart H emissions limit which would require additional radiological air monitoring. Other than the existing Site Radioactive Ambient Air Monitoring Program (RAAMP) sampler network which will be operational during the demolitions, no additional radiological monitoring is required. Localized radiological monitoring for worker protection will occur. Once these samples are counted they will be sent offsite for beryllium analysis as directed by Industrial Hygiene. Additionally, beryllium air monitoring is required during the demolition of these facilities as discussed in the Integrated Monitoring Plan (IMP).
- (4) **Dust Generation** – The potential for dust generation is low. Loose material has been removed and the areas have been pressure washed. Fixative has been sprayed on the majority of the facilities. However, dust suppression will be conducted in accordance with the IWCP work document and the need to pause work will be evaluated if wind speeds exceed 15 mile per hour on a consistent basis.
- (5) **Impacts to Surface Water** – This activity will not impact surface or ground water, as large volumes of dust suppression (water) will not be used. Storm sewers or culverts will have the necessary run-off controls in place. Any collected run-off water will be sampled prior to final disposition.
- (6) **Impacts to Migratory Bird** – A survey was conducted and the demolition of these structures will not impact migratory birds or their nests.

On October 12, 2004, at 1400, the State (Kruchek) concurred with the information presented.

**Contact Record Prepared By:** C. J. Freiboth

**Required Distribution:**

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 R. Birk, DOE  
 C. Deck, KH  
 D. Foss, KH  
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 S. Gunderson, CDPHE

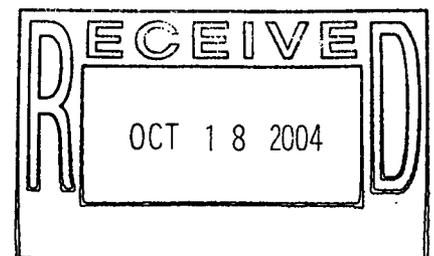
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