

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

**Date/Time:** 09/30/04 – 1030

**Site Contact(s):** C. J. Freiboth (KH) – (CJF-084a)  
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**Regulatory Contact:** David Kruchek, CDPHE  
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**Agency:** CDPHE

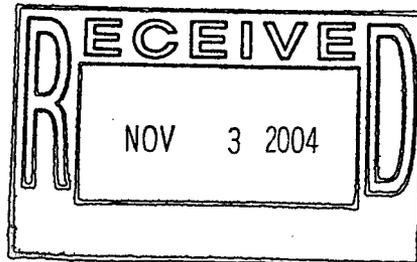
**Purpose of Contact:** Building 447 Room 36 and Rooms 405A and 405B Pits

**Meeting Attendance:** C. J. Freiboth, KH PM                      David Kruchek, CDPHE  
Karl Shuler, RFCSS

## Discussion

The Pre-Demolition Survey Report (PDSR) for Building 447 has been submitted to the Department of Energy and Colorado Department of Public Health and the Environment (CDPHE/State) for review and approval. In preparation for the demolition of the Building 447 structure, there is a desire to fill Room 36 with flo-fill, and the Rooms 405A and 405B pits with dirt. This will greatly reduce the concerns over having the demolition equipment and debris fall into one of these voids while working on the Building 447 demolition.

On September 30, 2004, at 1030, the State (Kruchek) was contacted regarding the flo-filling of Room 36, and the dirt fill of the 405A and 405B pits. This request is based on the Room 36 pit not being contaminated, with the exception of the two former process waste pipe stubs that are embedded into the concrete walls of the pit and protrude a few inches into the room. These stubs were grouted shut in the early 1980's and may have up to 55,000 dpm/100 cm<sup>2</sup> of fixed contamination coming off of the outer surfaces of the stub ends. These stubs will be approximately 6 feet below final grade. The pipe sleeve embedded in the concrete that surrounds the stubs is not contaminated. Once the facility is demolished, attempts to grout the eastern pipe will be made. In addition, if the western pipe is exposed during the demolition of the Building 447 west basement, this side of the pipe will also be grouted. The 405A pit has up to 30,000 dpm/100 cm<sup>2</sup> fixed located on the lower portions of the wall and floors, which conservatively or using a worst case scenario, equates to 38.737 pCi/gram of depleted uranium holdup. This contaminated area will be approximately 12 feet below final grade. The soil under a portion of the slab to the West of the 405A pit will need to be remediated prior to filling over the slab. The Room 405B pit is not contaminated. The State (Kruchek) concurred with proceeding with the filling of Room 36 and the two pits.



Contact Record Prepared By: C. J. Freiboth

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**Required Distribution:**

M. Aguilar, USEPA  
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R. Birk, DOE  
C. Deck, KH  
D. Foss, KH  
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D. Kruchek, CDPHE  
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**Additional Distribution:**

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