

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

**Date/Time:** 08/10/04 – 1315

**Site Contact(s):** C. J. Freiboth (KH) – (CJF-077)  
**Phone:** (303) 966-2823

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

**Agency:** CDPHE

**Purpose of Contact:** Valve Vault 02 Demolition

**Meeting Attendance:**

C. J. Freiboth, KH PM	David Kruchek, CDPHE
M. D. Flannery, KH	H. Linsinbigler, KH
S. M. Nesta, KH	A. Cameron, KH

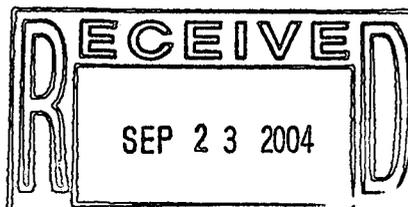
## Discussion

On August 10, 2004, at 1315, a walkdown of Valve Vault (VV) 02 was conducted with the State (Kruchek). This vault has been RCRA clean closed, and demolition and removal of the entire vault was required because of residual fixed uranium contamination on the bottom walls of the vault and in the floor sump. The fixed levels on the walls are as high as 19,482 dpm/100 cm<sup>2</sup>, and the sump has 45,000 dpm /100 cm<sup>2</sup> of fixed contamination. There is no removable radiological contamination in the vault.

Demolition activities on the vault were initiated, and included removal of the vault roof and portions of the walls. In order to remove the entire vault, a large excavation around the vault was initiated. The excavation on the outside of the vault continues to fill up with ground water (the water in the excavation has been pumped out three (3) times), due to the proximity of the vault to Building 883, where the footer drain system has been rendered inoperable. In addition, a retaining wall is located above the vault to the east, and in order to excavate around the vault for removal, an even larger excavation would be required. This large of an excavation would take out a significant portion of the retaining wall and could undermine much of the road next to Building 883. A significantly sized excavation creates additional safety concerns due to the sloping requirements. Based on the continued infusion of ground water into the excavation, and because of the size of the vault and required excavation, complete removal of the vault is very difficult.

A proposal was presented to the State (Kruchek), where the debris in the vault would be removed and the bottom portion of the vault would be flow-filled to ensure the fixed contamination is locked in place. Once this has been completed the vault would be removed to the flow-fill, ensuring the two (2) pipe penetrations from the lines from VV-1 are removed, as well as the two (2) lines from Building 883. The excavation around the vault that is filled with water would be pumped one more time and then backfilled.

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The State (Kruchek) concurred with the approach that was presented.

Contact Record Prepared By: C. J. Freiboth

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**Required Distribution:**

M. Aguilar, USEPA  
S. Bell, DOE  
R. Birk, DOE  
C. Deck, KH  
D. Foss, KH  
S. Garcia, EPA  
C. Gilbreath, KH  
S. Gunderson, CDPHE

D. Kruchek, CDPHE

J. Legare, RFFO

R. Leitner, KH

J. Mead, KH

G. Morgan, DOE

S. Nesta, KH

K. North, KH

R. Schassburger, DOE

D. Shelton, KH

C. Zahm, KH

**Additional Distribution:**

H. Ainscough, CDPHE

A. Cameron, KH

C. J. Freiboth, KH

M. D. Flannery, KH

H. Linsinbigler, KH

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