

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time: August 18, 2005

Site Contact(s): Karen Wiemelt, Norma Castaneda, Gerry Kelly

Regulatory Contact: David Kruchek, Larry Kimmel, Sam Garcia,
Todd Bechtel
CDPHE and EPA

Purpose of Contact: Pond B-4 Sampling

Discussion

Results of the recent Pond B-4 sediment sampling showed 1 interval at one location (DB47-004 in the northeastern portion of the pond near the dam) with an elevated Pu activity of 217 pCi/g. The interval is the 2.5 to 3.9 foot interval. The intervals above this interval show Pu activity much less than 50 pCi/g (2.06 pCi/g in the 0 to 0.5 foot interval and 7.88 pCi/g in the 0.5 to 2.5 foot interval). Below 3.9 feet is native soil. Eleven other locations have been sampled at Pond B-4. Recent sample intervals include 0 to 6 inches and 2-foot intervals after that until soil was encountered. Earlier sample intervals ranged from 0 to 1.33 feet to 0 to 3.17 feet. Sample results from all other locations and intervals in Pond B-4 are less than the Wildlife Refuge Worker Action Levels. As per RFCA, for plutonium, accelerated action is taken when Pu > 50 pCi/g exists in the 0 to 3 foot interval. Since it is unclear if the elevated Pu activity is in the actionable interval (0 to 3.0 foot interval), an additional sample will be taken in the same location in the 1 to 3 foot interval and analyzed for radionuclides.

Contact Record Prepared By: Karen Wiemelt

Required Distribution:

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Additional Distribution:

Sam Garcia, USEPA
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