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Subject: Notification of a Reportable Condition at Rocky Flats under RFLMA Attachment 2
Date: Thursday, February 13, 2014 10:31:00 AM

This notification is to inform you of a reportable condition at Rocky Flats under RFLMA Attachment 2, Section 6.0, Action Determinations, at the RFLMA Point of Compliance WALPOC .

The validated analytical result received on 2/3/2014, for the sample retrieved on 1/16/14 from the WALPOC composite sampler, was 18.8 ug/L total uranium. This composite sample result is representative of water flowing during the time period 12/18/13 11:39 – 1/16/14 13:27,. An evaluation was performed in accordance with RFLMA Attachment 2, Figure 5, Points of Compliance which resulted in a calculated 30-day average concentration for uranium on December 18, 2013 of 16.9 ug/L . This result exceeds the RFLMA Attachment 2, applicable Table 1 Standard for total uranium of 16.8 ug/L.

In accordance with RFLMA Attachment 2, Figure 5, Points of Compliance, the method to determine compliance with the remedy standard is the 12 month rolling average. In this case, the calculated 12 month rolling average (for December 31, 2013) is 6.1 ug/L, below the 16.8 ug/L Table 1 Standard. Previous high-resolution isotopic uranium analyses for this location show signatures that are between 76 and 80 percent natural uranium.

Pursuant to RFLMA Attachment 2, Section 6.0, Action Determinations, for a reportable condition:

- * DOE must submit a plan and schedule for an evaluation to address the condition within 30 days of receiving the validated data for the reportable condition.
- * DOE will consult with CDPHE and EPA to determine if mitigating actions are necessary.
- * The objective of consultation will be to determine a course of action (if determined necessary) to address the reportable condition and to ensure the remedy remains protective.
- * Results of consultation will be documented in contact records and/or written correspondence.

Although further evaluation and consultation is required, samples from WALPOC are being sent to Lawrence Berkeley National Laboratory (LBNL) for isotopic analysis to determine the percentages of natural and anthropogenic uranium in these higher-concentration samples. Results will be compared with percentages in samples previously analyzed by LBNL, which showed predominantly natural uranium.

If you have any questions, please contact:
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