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Mr. Steven Gunderson  
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Dear Gentlemen:

This letter provides documentation for the closeout of remedial actions implemented at Operable Unit 1 – 881 Hillside Area (OU1) at the Rocky Flats Environmental Technology Site (RFETS). The OU1 remedial actions are stipulated in the *OUI Corrective Action Decision/Record of Decision (CAD/ROD)* declaration (DOE 1997) and the *Final Major Modification to the OUI CAD/ROD* (DOE 2001). These actions were required to address contamination in subsurface soil at Individual Hazardous Substance Site (IHSS) 119.1.

The remedial actions performed under the original OU1 CAD/ROD declaration (DOE 1997) included sampling subsurface soil down-gradient of IHSS 119.1 and decommissioning the OU1 French Drain system. The IHSS 119.1 area sampling was completed in May 1997. The sampling results are presented in the *Post-CAD/ROD Investigation Report for the OUI – 881 Hillside Area, IHSS 119.1* (RMRS 1997). The French Drain decommissioning activity was completed in September 2000 and is documented in the *OUI – 881 Hillside Area French Drain Decommissioning Closeout Report* (DOE 2001).

Based on the IHSS 119.1 area sampling and analysis results, changes to the OU1 CAD/ROD declaration were initiated and approved and documented in the *Final Major Modification to the OUI CAD/ROD* (DOE 2001). The primary components of the *Final Major Modification to the OUI CAD/ROD* include:

- sampling down-gradient of IHSS 119.1 (completed in May 1997),
- pumping and treating groundwater from the OU1 Collection Well for one year following signing of the *Final Major Modification to the OUI CAD/ROD*, and
- monitoring groundwater at IHSS 119.1, including groundwater from the Collection Well, as per the RFETS Integrated Monitoring Plan (IMP).

The remaining actions under the Modified CAD/ROD are pumping and treating groundwater from the OU1 Collection Well for one year after February 23, 2001, when the Major Modification to the OU1 CAD/ROD document was signed by the EPA, CDPHE, and the DOE. The Collection Well will then be designated as a Plume Definition Well and monitored quarterly in accordance with the IMP. If average trichloroethene concentrations are observed in the Plume Definition Well above Tier 1 action levels for four consecutive quarters, then impacts to surface water will be evaluated to determine if an action is warranted.

In addition, groundwater at IHSS 119.1 will be sampled and analyzed in accordance with the IMP as follows. The Collection Well and well 0487 will continue to be monitored quarterly as Plume Definition Wells. Additional wells in the OU1/IHSS 119.1 area that are listed in the IMP (i.e. 4787, 4887, 10992, and 11092) will continue to be monitored semiannually as Plume Extent Wells. Monitoring will be discontinued in the Plume Definition Wells once contaminant concentrations have been below RFCA Tier 2 action levels for four consecutive sampling events.

As stated in the *Final Major Modification to the OUI CAD/ROD*, the IMP will contain the requirements for monitoring the OU1 wells through RFETS closure with evaluation occurring during the 5-year CERCLA reviews. Long term stewardship monitoring beyond RFETS closure will be established as appropriate in the Final RFETS CAD/ROD, or as otherwise provided in paragraph 286 of RFCA.

If you should have any technical questions regarding this closeout letter, please contact Norma I. Castaneda at (303) 966-4226 or contact me at (303) 966 5918.

Joseph A. LeGare  
Assistant Manager  
for Environment and Infrastructure

Enclosures

cc w/Encs:

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G. Kleeman, EPA  
Administrative Record

cc w/o Encs:

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