



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

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DENVER, COLORADO 80202-2405

APR 22 1991

Ref: 8HWM-FF

Mr. Frazer Lockhart
Department of Energy
Rocky Flats Office
P.O. Box 928
Golden, Colorado 80402-0928

APR 25 1991

RE: 881 Hillside SOPA

Dear Mr. Lockhart

EPA reviewed the Standard Operating Procedure Addendum (SOPA) for the 881 Hillside RFI/RI Workplan. EPA's comments are included herein. This document is approved provided that DOE make the necessary changes in the 881 SOPA to address the below listed comments prior to beginning field activity in May, 1991. Final approval of the 881 Hillside RFI/RI will in part, be based on the response to these comments and the appropriately revised SOPA.

EPA comments on the 881 Hillside SOPA are as follows:

Section 9.2.2.2 Drilling Depths;

The type of sampling that will be done must be specified.

The fourth bullet on page 9-2 needs clarification. The text indicates that if a sandstone is encountered below the 5-foot level in **unweathered** bedrock, sampling will continue to unweathered bedrock. It is assumed that if a sandstone is encountered in **weathered** bedrock, sampling will continue to unweathered bedrock. Additionally, if the sandstone continues into unweathered bedrock, a bedrock well should be completed to determine the hydraulic interconnection and extent of contamination, if present, in the sandstone.

The fifth bullet on page 9-2 indicates that samples will be taken until unweathered bedrock is encountered. Again, if the sandstone continues into unweathered bedrock, samples must be taken to determine the hydraulic interconnection and extent of contamination, if present, in the sandstone.

Section 9.2.4.3 Monitoring Well and Piezometer Construction;

The SOPA refers to figure 3.6-2, Schematic Diagram of Bedrock Monitoring Well Completion, in the Sitewide SOPs (February, 1991). The text does not appear to be consistent with the figure. The text states that the bottom of the surface casing will be a minimum of 2 feet below the bedrock surface.

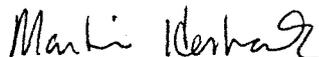
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The Figure 3.6-2 indicates that the depth will be a minimum of 3 feet. The text is consistent with Figure 3.6-1, Schematic Diagram of Alluvial Monitoring Well Completion. Later in the paragraph, the sampling depths are mentioned again. The paragraph needs clarification.

If you or members of your staff have questions regarding these comments, please contact Ms. Patricia Corbetta at (303) 294-1135.

Sincerely,



Martin Hestmark, Manager
Rocky Flats Project

cc: Patricia Corbetta, 8HWM-FF
Gary Baughman, CDH
Noreen Matsuura, CDH
Tom Olsen, DOE
Tom Greengard, EG&G