

# memorandum

Rocky Flats Office



DATE: SEP 04 1991

REPLY TO  
ATTN OF: ERD:TTO:7204

SUBJECT: Resolution of Concerns Regarding Construction of French Drain on 881 Hillside, Rocky Flats Plant

TO: Ralph Lightner, Director, Division of Southwestern Programs, EM-45

After reviewing concerns regarding construction of a French Drain on 881 Hillside, and following a meeting on the said subject with EM-45 and EG&G personnel, Rocky Flats Office proposes that the concerns be addressed as follows:

- The integrity of the South Interceptor Ditch (SID) should not be violated. To accomplish this, an attempt will be made to keep the downhill point of excavation farther than 20 ft. from the SID. However, in some zones the excavation may intersect the SID, but under no circumstances breach the downhill side of the SID. When this intersection happens, then the contractor is required to supply 100 ft. of 60 inch corrugated metal pipe with which to use to maintain the integrity of the trench and handle runoff waters.
- All slopes of excavations of depth greater than four feet shall be constructed with side wall slopes of no greater 40°, except where the contractor opts to use trench boxes or some other means of shoring according to OSHA.
- Pressure grouting will be utilized, when needed, to ensure acceptability of bedrock for keying into.
- Trees in similar number and type to those destroyed in the construction process will be replanted.
- Excavated areas will be reseeded with a native seed mixture.
- Clean-outs will be installed along the length of the drain to ease maintenance of potential clogs.
- Prior to the start of excavation, plans indicating the inclusion of these items shall be verified by the Rocky Flats Office.

ADMIN RECORD

A-DU01-000934

- By September 15, 1991, a current detailed cost estimate for construction of the French Drain shall be submitted to EM-45.
- Prior to the start of excavation, an Excavation Plan providing for the storage and handling of clean and contaminated soils shall be submitted to EM-45.
- Prior to the start of excavation, the contractor shall submit a Job Safety Analysis and a site specific Health and Safety Plan for review to the Rocky Flats Office.
- Prior to the start of excavation, a Standard Operating Procedure for hydrologic testing of the bedrock to ensure proper hydraulic conductivity shall be submitted to EM-45.
- By December 15, a draft feasibility study on the installation of additional wells in Individual Hazardous Substance Site (IHSS) 119.1 to ensure the maximum removal of contaminants shall be submitted to EM-45.
- By December 15, a draft feasibility study on the installation of additional wells in the area of the Building 881 footing drain outfall to ensure maximum removal of contaminants shall be submitted to EM-45.

If the requirements noted above are adhered to, it is the position of Rocky Flats Office that the currently approved version of the Environmental Assessment (EA) adequately addresses this action and no revision to the EA will be required.



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for Environmental Management