



Department of Energy

ROCKY FLATS FIELD OFFICE
P O BOX 928
GOLDEN COLORADO 80402 0928

95-DOE-08485

JUN 30 1995

Mr Martin Hestmark
U S Environmental Protection Agency, Region VIII
ATTN Rocky Flats Project Manager 8HWM-RI
999 18th Street Suite 500, 8WM-C
Denver, Colorado 80202-2405

ADMIN RECORD

Mr Joe Schieffelin, Unit Leader
Hazardous Waste Control Program
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80222-1530

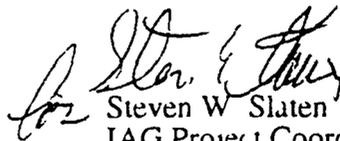
Gentlemen

Enclosed are the requested revised cost estimates for the various actions currently proposed for Operable Unit (OU) 1, 881 Hillside. The cost estimates for the soil excavation were prepared by Dames and Moore, based on standard industry practice. The soil excavation costs do not include any added Department of Energy (DOE) requirements, which could add other significant costs. The well drilling and sampling costs are similar to those presented in the Correction Measures Study/Feasibility Study (CMS/FS) report.

At this time, DOE has determined that the latest proposal by the Colorado Department of Public Health and Environment (CDPHE) is unacceptable (monitoring with detection limits as action levels). Contamination values are already being monitored at the French Drain which are above detection limits. It is noted that the detected contamination values are currently still under Applicable or Relevant and Appropriate Requirements (ARARs). DOE would accept the option of activating the French Drain if ARARs were exceeded at the drain sump. We feel that this action is protective of Woman Creek.

DOE appreciates the effort by CDPHE and Environmental Protection Agency in trying to resolve this dispute. However, if the above option is not accepted, DOE will go forward with the proposed "No Action" alternative, which we feel is the right direction to follow, given the low risk level to human health and the environment. If you have comments or any specific questions about the above estimates, please call Dave George, at 966-5669.

Sincerely,


Steven W. Slaten
IAG Project Coordinator
Environmental Restoration

Enclosure

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

M Hestmark & J Scheffeln
95-DOE-08485

2

JUN 30 1995

cc w/Enclosure
Admin Record

cc w/o Enclosure
M Silverman, OOM, RFFO
J Roberson, EP, RFFO
J Fitch, EP, RFFO,
D George, EP, RFFO
A Primrose, EG&G
M Rupert, EG&G
B Card, K-H

OU1 Cost Estimates

- NO Action** (Monitoring Only)
- 3 to 30 years
 - 3 new wells, quarterly sampling (12 samples/ yr)
 - \$372,000 - \$1,804,000

Institutional Controls. Monitoring, Using the French Drain

- 30 years of water treatment
- 30 years of monitoring
- 3 new wells, quarterly sampling
- \$7,565,000

Soil Excavation, No Treatment, On Site Disposal (Disposal Cell)

- 3 years monitoring-post closure
- 3 wells, quarterly sampling
- Excavation and disposal
- \$2,581,000

Soil Excavation, Thermal Desorption, On Site Disposal

- 3 years monitoring-post closure
- 3 wells, quarterly sampling
- Excavation, treatment, and disposal
- \$4,837,000

Breakout costs.

Well Drilling and completion - \$16 0K ea.
 Sampling - \$1 5 k ea.
 Analytical - \$4 1 k ea

Summary of waters to be treated in building 891 after conversion:

OU1	0.25 gpm
OU2	0.07 gpm
OU4	5.70 gpm
Storm water/ well purge water	3.40 gpm
Decon Pad	<u>0.19 gpm</u>
Total	9.61 gpm

Current contract costs for operation - \$108K/Mo or about \$2.50 gal
 These costs do not include M&O oversight costs which raise the costs to about \$5.75 gal