

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

92 RF 11140

September 24, 1992

92-RF-11140

Terry A. Vaeth
Manager
DOE, RFO

Attn: S. R. Grace

OPERABLE UNIT NO. 2 SURFACE WATER INTERIM MEASURE/INTERIM REMEDIAL ACTION (IM/IRA) FIELD TREATABILITY UNIT (FTU) - RLB-0627-92

Requests concerning the subject were made on September 14, 1992 by J. Schieffelin of the Colorado Health Department (CDH) and on September 15, 1992 by W. Frazer of the Environmental Protection Agency (EPA). Responses follow.

CDH's requests concerned a water sampling program for the FTU. In response, a tour of the FTU is being scheduled to provide CDH with familiarization information and to initiate a split sampling program with the Agency. In conjunction with the request, CDH asked for latest water sampling test results by September 29, 1992. Enclosed is Table 1, OU 2 IM/IRA FTU Characterization Data and Figure 1-3 Process Flow Diagram to show the corresponding process sampling locations. The data suggests that radionuclide influent and effluent values are below ARARs, metals are below ARARs except strontium and Volatile Organic Compounds (VOCs) contamination, principally 1, 2-DCE, is being removed to below ARARs.

EPA requested information relative to the problems experienced during initial startup of the Chemical Precipitation/Microfiltration System (CP/MS) and cost data for design, fabrication, and installation of the equipment, including startup and EG&G support.

Start up problems at the initiation of Phase II suggest:

- The desirability of prior bench scale studies to better manage chemical dose, reagents selection and choice of membrane cleaning chemicals.
- Planning for process residues based on process knowledge in the development of the Phase II Work Plan could have avoided sludge management, spent GAC and filter sock disposal problems.

DIST.	LTR	ENC
BENJAMIN, A.		
BERMAN, H.S.		
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FERRERA, D.W.		
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KUESTER, A.W.		
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PIZZUTO, V.M.		
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TALLMAN, K.G.		
WIEBE, J.S.		
WILSON, J.M.	X	
WILSON, J.M.		
ZANE, J.O.		
ALLEN, F.H.	X	
KIRBY, C.E.	X	
Jemison, E.A.	X	
Johnston, I.D.	X	
SMITH, T.A.	X	
Ferrier, DR	X	
Mellan, JB	X	
Kusby, WS	X	
Pantins, BW	X	
Adm. Rec	X	
E&G Truck	X	
CORRES CONTROL	X	X

CLASSIFICATION:

UCNI	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER

SIGNATURE
Not applicable per classification office exemption.

IN REPLY TO RFP CC NO:

NA

ACTION ITEM STATUS

OPEN CLOSED

PARTIAL

LTR APPROVAL:

WSB:WA

ORIG & TYPIST INITIALS

DWD:cet

REVIEWED FOR CLASSIFICATION/UCNI

By [Signature]
Date 10/1/92

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The requested cost data is presented in Table 2. The total cost of the Phase I (collection system and GAC unit) system was estimated to be \$720,000 and the total cost for the Phase II (CP/MS) system was estimated to be \$950,000, for a grand total of \$1,670,000. This figure does not include the development of the IM/IRA document.

If you have any questions or require further information, please contact D. W. Pontius at X8616 or E. A. Dillé at X8684, both of Remediation Programs.



R. L. Benedetti
Associate General Manager (Acting)
Environmental Restoration Management
EG&G Rocky Flats, Inc.

DWP:cet

Orig. and 1 cc - T. A. Vaeth

Enclosures:
As Stated (2)

cc:
F. R. Lockhart - DOE, RFO