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Dave

APR 2 1996

RFP-1325.02 (Rev. 2/96)
Previously RF-48522

CORRES. CONTROL
INCOMING LTR NO.

00528RF96



Department of Energy

ROCKY FLATS OFFICE
P.O. BOX 928
GOLDEN, COLORADO 80402-0928

DUE
DATE

APR 1 1996

96-DOE-09486

ACTION

DIST.	LTR	ENC
ALLEN, R.C.		
BENSUSSEN, S.J.		
BRENNAN, P.D.		
BRYNER, C.J.		
BUHL, T.R.		
CARD, R.G.		
DEAN, C.		
EVANS, B.L.		
FERRERA, D.W.		
GILLISON, W.R.		
HEDRHL, T.G.	X	
HERRING, C.L.		
HILL, J.A.	X	
KELL, R.E.		
KELLY, G.M.		
MANI, V.		
MARTINEZ, L.A.		
McANALLY, J.L.	X	
McGOVERN, L.J.		
McKIBBIN, J.G.		
MEADOWS, S.M.		
NORTH, K.	X	
O'BRIEN, G.D.		
SANDLIN, N.B.		
SHUMWAY, W.K.		
SPEARS, M.S.		
STEELMAN, M.		
TUOR, N.R.		
TURNER, K.A.		
VOORHEIS, G.M.		
WALLER, C.A.		
Brooks, G.	X	
Dayton, C.	X	
Shelton, D.	X	
Wasmelt, R.	X	
Tierre, G.	X	
Broussard, M.	X	
Cirillo, R.	X	
Parke, A.	X	
Schmuck, J.	X	
Voss, T.	X	
Phillips, F.	X	

Mr. Tim Rehder
Environmental Protection Agency, Region VIII
ATTN: Rocky Flats Project Manager, 8HWM-FF
999 18th Street, Suite 500
Denver, Colorado 80202-2466

Mr. Joe Schieffelin
RFCA Unit Leader
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80222

Susan Chaki
Hazardous Wastes Cleanup Program
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80222

Dear Mr. Rehder, Mr. Schieffelin, Ms. Chaki:

The purpose of this letter is to request your approval of discharging treated groundwater from the combined OU 1/OU 2 Treatment Facility. Because of low storage capacity, groundwater from OU 1 and OU 2 was treated prior to the granulated activated carbon (GAC) and microfiltration units being installed. These units are from the original OU 2 treatment facility.

It was recognized at the time that the water may need to be retreated because not all of the contaminants may have been removed. Anticipating that retreatment would be necessary, the effluent was sampled and analyzed for only volatile organic compounds (VOCs) and total metals. All VOC and metal constituents were below the OU 1 and OU 2 Interim Measure/Interim Remedial Action (IM/IRA) applicable or relevant and appropriate requirements (ARARs).

The treated water was then resampled and analyzed for the full suite of constituents required by the OU 1 and OU 2 IM/IRA documents. With the exception of zinc, all of these constituents were below the OU 1 and OU 2 IM/IRA ARARs and the RFCA action levels and standards for surface water. The value for zinc was 0.052 mg/L (dissolved). The sample was reanalyzed for dissolved metals. The value for zinc was 0.060 mg/L (dissolved). The initial sample showed the zinc level at 0.024 mg/L (total). These values are well within the OU 1 zinc ARAR of 2.0 mg/L (dissolved); however, they are above the OU 2 zinc ARAR of 0.05 mg/L (total).

The Rocky Flats Cleanup Agreement (RFCA) has proposed an action level and a standard for zinc in surface water. Both the action level and the standard are 0.141 mg/L (total). Additionally, the RFCA groundwater Tier 2 action level for zinc is 11 mg/L. The treated groundwater meets the action levels and the standard for zinc. Since the zinc level meets the

CORRES. CONTROL X X
ADMIN RECORD/080
PATS/T130G

Reviewed for Addressee
Corres. Control RFP

4/16/96 SD
DATE BY

Rel Ltr. #

DOE ORDER # 5400.1

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

T. Rehder; J. Schieffelin; S. Chaki:
96-DOE-09486

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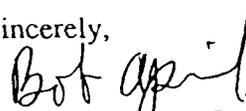
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RFCA action levels and standard, we are requesting approval to discharge the treated water to the South Interceptor Ditch (SID) which eventually flows to Pond C-2.

Because of this situation, we have recognized the need to clarify the treatment discharge limits for the consolidated treatment facility. We will follow up with a recommendation for this effort which will be consistent with RFCA.

If you are in agreement with discharging the treated groundwater, please sign at the bottom of this letter. If you have any questions or require additional information, please do not hesitate to contact Dave George at 966-5669.

Sincerely,



Bob April, Group Lead
Stakeholder and Environmental Liason Group

cc:

Gary Kleeman, EPA
Chris Gilbreath, CDPHE
Bob April, SEL, RFFO
Steve Slaten, SEL, RFFO
Dave George, EAG, RFFO
Laura Brooks, K-H
Chris Dayton, K-H
Tim Hedahl, K-H
Karan North, K-H
Dave Shelton, K-H
Karen Wiemelt, K-H
Candice Jierre, RMRS
Marla Broussard, RMRS
Russ Cirillo, RMRS
Alan Parker, RMRS
John Schmuck, RMRS
Ty Vess, RMRS
Administrative Record

sincerely,



Timothy Rehder, Rocky Flats Team Leader