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Department of Energy

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Rocky Flats Office

ACTION

DIST LTR ENC

BENJAMIN, A.		
BERMAN, H.S.		
BRADY, J.A.		
BRANCH, D.B.		
CARNIVAL, G.J.		
COPP, R.D.		
CORDOVA, R.C.		
DAVIS, J.G.		
EVERED, J.E.		
FERRERA, D.W.		
GOODWIN, R.		
HANNI, B.J.		
HEALY, T.J.		
HILBIG, J.G.		
IDEKER, E.H.		
KERSH, J.M.	X	X
KIRBY, W.A.		
KRIEG, D.		
KUESTER, A.W.		
LEE, E.M.	X	X
MARX, G.E.		
MORGAN, R.V.		
PIZZUTO, V.M.		
POTTER, G.L.		
SANDLIN, N.B.		
SATTERWHITE, D.G.		
SCHUBERT, A.L.		
SHEPLER, R.L.		
SULLIVAN, M.T.		
SWANSON, E.R.		
TALLMAN, K.G.		
KINSON, R.B.		
SON, J.M.		
ZANE, J.O.		
Nesta	S	X
Knopp	S	X

JUL 08 1992

EG&G
ROCKY FLATS PLANT
CORRESPONDENCE CONTROL

ERD:PMP:7293

Section D Categorical Exclusion (RFO/CX022-92) Determination

C. M. Borgstrom, Director Office of NEPA Oversight, EH-25, HQ

A copy of RFO/CX022-92, Granular Activated Carbon Water Treatment Facility, is attached for your review.


Terry A. Vaeth
Sr Manager

Attachment

- cc w/Attachment:
- R. Scott, EM-20
- A. Rampertaap, EM-453
- S. Nesta, EG&G
- S. Knopp, EG&G

CORRES CONTROL
TBAFFIC

Reviewed for Addressee
Corres. Control RFP

7-9-92 

DATE BY

Ref Ltr. #

SECTION D
CATEGORICAL EXCLUSION DETERMINATION - RFO/CX022-92

Proposed Action: Granular Activated Carbon Water Treatment Facility

Location: West of Building 223, Rocky Flats Plant, Golden, CO

Proposed by: U.S. Department of Energy, Rocky Flats Office

Description of the proposed action:

Rocky Flats proposes to construct a granular activated carbon (GAC) treatment unit to treat wash water collected from the decontamination pad located near Operable Unit 2 for removal of volatile organic compound (VOC) contamination (Figure 1). Wash water is generated from the decontamination of drill rigs, augers, and other equipment used in environmental characterization and remediation of the operable units at the plant. Water from the decontamination pad is now hauled by truck to building 374 and tested for VOC content. If the VOC content is within acceptable limits, the water is pumped into tank 231B (950,000 gallon) for temporary storage and processed through the evaporator in Building 374. If the VOC content is above acceptable limits, the water is pumped into tank 231A (250,000 gallon) where it is being stored until a treatment system to remove the organic components has been constructed.

The GAC treatment system would consist of a granular activated carbon filter system and two 5000 gallon storage tanks which would be located within the existing concrete berm structure in the 231 tank area (see Figure 2). The GAC unit would be preassembled by the vendor and lowered onto the concrete pad by a crane. A prefabricated metal building would be erected to house the GAC unit. The system would be designed to handle a treatment flow of 10 gpm, and an estimated 5000 to 15,000 gallons of water per week would be processed through the system. The system would be interfaced through PVC piping with the existing storage tanks 231A and 231B and with Building 374.

After the GAC unit was in place, influent water from the Decontamination Pads would be transported by tanker truck to Building 374 and tested for VOC content. If the organic content was above acceptable limits, the water would be pumped into either the 5000 gallon GAC influent tank or into the existing influent storage Tank 231A, and then treated in the GAC unit. Treated water would flow from the GAC unit to the new 5000 gallon effluent tank. From that point, water would either flow to Building 374 for evaporation or Tank 231 B for storage, and subsequently to Building 374 where the filtered water would be evaporated.

The total estimated cost of the project is \$194,000 and estimated duration of installation is about 6 weeks.

Categorical Exclusion to be applied:

B6.8 Minor operational changes at an existing facility to minimize waste generation and for reuse of materials. These changes include, but are not limited to, adding filtration and recycle piping to allow reuse of machining oil, setting up a sorting area to improve process efficiency, and segregating two waste streams previously mingled and assigning new identification codes to the two resulting wastes.

SECTION D
CATEGORICAL EXCLUSION DETERMINATION - RFO/CX022-92
Granular Activated Carbon Water Treatment Facility

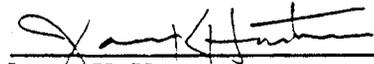
I have determined that the proposed action meets the requirements for the CX as defined in Section D of DOE NEPA Guidelines. Therefore, I approve the categorical exclusion of the proposed action from further NEPA review and documentation.

Date: 7/7/92

Signature: 
Title: in Terry A. Vaeth
Manager, Rocky Flats Office

Program sponsor:

Date: _____

Signature: 
Title: James K. Hartman
Assistant Manager,
Environmental Mgmt.

I have reviewed this action and find a CX is the appropriate level of NEPA Documentation.

Date: June 25, 1992

Signature: 
Title: Patricia M. Powell
NEPA Compliance Officer

Funding: EM
986800

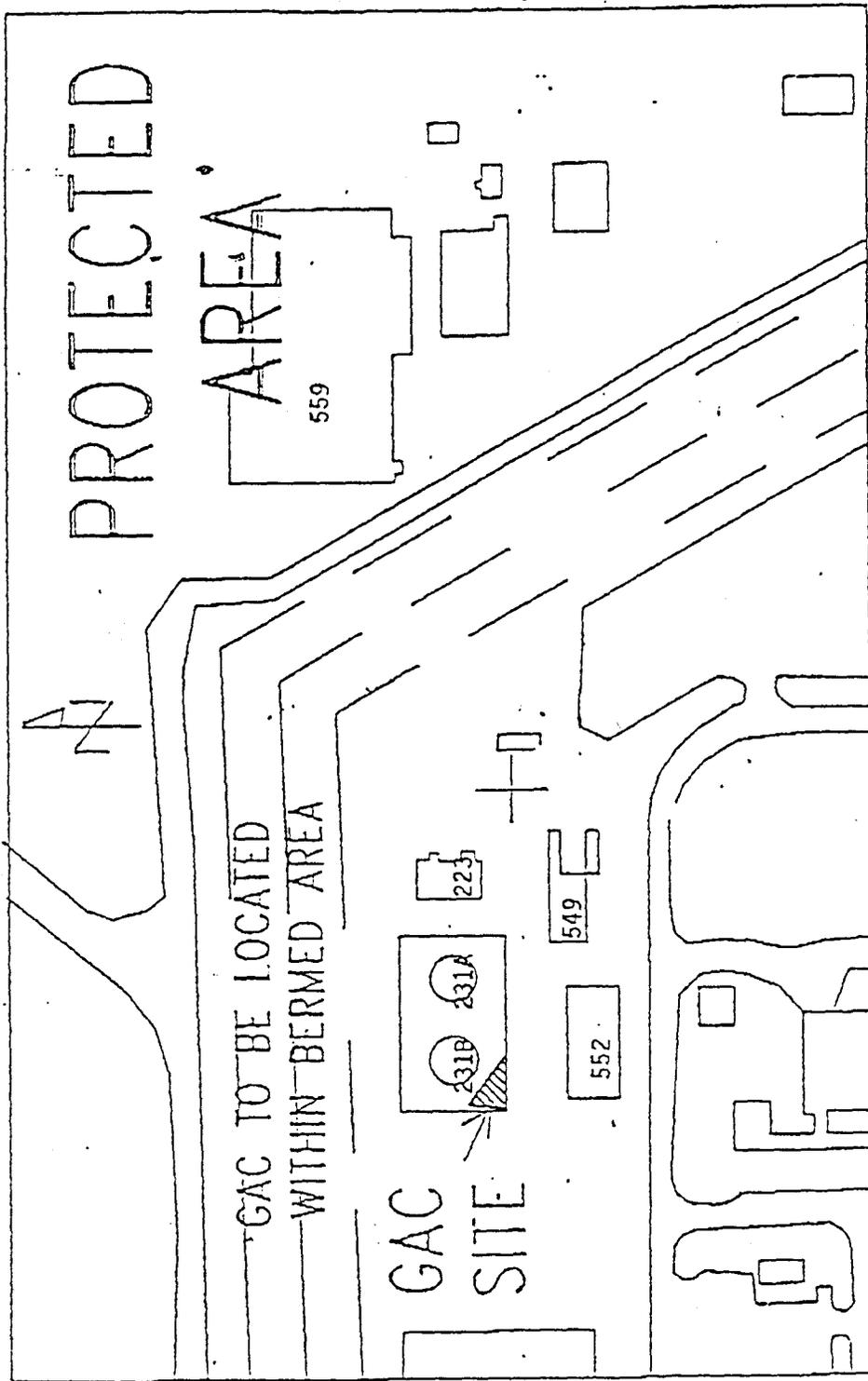


FIGURE 2
GAC SITE LOCATION