

# EG&G ROCKY FLATS

92 RF 11588

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

September 29 1992

92 RF 11588

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- emerald MCX
- elby WCIX MSB
- andrew TBIX
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- Andrew JPIX
- fil KMIX
- W Truck IX
- CONTROL
- down Rec IX

Terry A Vaeth  
Manager  
DOE, RFO

Attn F R Lockhart

OU 1 881 HILLSIDE IM/IRA TREATMENT BUILDING 891 OPERATIONS RLB 0643 92

Ref J K Hartman ltr (9722) to J M Kersh OU 1 (881 Hillside) IM/IRA Operations  
September 2 1992

This letter is in response to the above mentioned letter requesting additional information on the effluent tank coating and french drain collection points. The first issue concerns the leaching of volatile organic compounds (VOCs) primarily ethylbenzene and xylene from the effluent tank coating. According to the coating manufacturer Tnemec Company Inc the epoxy coating applied to the effluent tanks is approved by the Environmental Protection Agency (EPA) for potable water use and is commonly used in the food beverage and pharmaceutical industries.

Ethylbenzene and xylene are solvents used in the epoxy coating which become trapped within the coating during the curing process. The solvents could potentially continue to leach from the coating for the entire life of the coating (10 years or more). The concentrations of ethylbenzene and xylene in the effluent water in the effluent tanks range from 10 to 50 parts per billion. These concentrations are well below drinking water standards therefore it is EG&G's recommendation that this water is acceptable for discharge to the South Interceptor Ditch without additional treatment.

Concerning the second issue preliminary design is in progress to re pipe the 881 footing drain and french drain recovery well collection points directly to Treatment Building 891. Engineering is presently scheduled to complete design by the end of October 1992. Completion of construction for the piping modifications is tentatively scheduled to be complete in December 1992.

The proposed design will provide for collection of a limited amount of water from the 881 Building footing drain. Influent tank storage capacity at Treatment Building 891 is limited to 30,000 gallons. The 881 footing drain has been observed flowing at greater than 30 gallons per minute (gpm) a rate which exceeds tank storage and treatment capacity. If flows from the 881 Building footing drain exceed treatment capabilities the excess water must be diverted to another containment area (i.e. french drain wetland additional).

CLASSIFICATION	
UNCLASSIFIED	
CONFIDENTIAL	

HORIZONTAL CLASSIFIER  
SIGNATURE  
- applicable  
classification  
- on office  
exemption

P Y TO RFP CC NO  
47-RF-92

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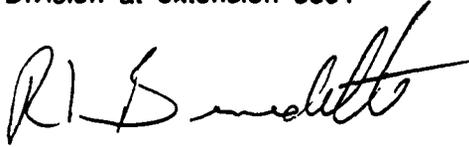
ADMIN RECORD

REVIEWED FOR CLASSIFICATION	U M
BY	G T O K 80
DATE	9-2-92

Terry A Vaeth  
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tankage) A study is presently in progress to determine average flow rates from the 881 Building footing drain This information will be used to determine more precise flow rates from the 881 Building footing drain

If you have questions please contact M C Burmeister of the Remediation Programs Division at extension 5891



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

MCB dmf

Orig and 1 cc T A Vaeth

cc

S. R Grace                      DOE RFO  
R J Schassburger