

REF 6746, EG&G ROCKY FLATS

8656

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

DIST.		
AMIN A		
HS		
DE		
ARNIVAL, G.J.		
OPP, R.D.		
VIS, J.G.		
ERED, J.E.	X	
RRERA, D.W.		
OODWIN R		
NNI, E.J.		
ARMAN, L.K.		
ALY, T.J.		
IRIG, J.G.		
EKER, F.H.		
BSH, J.M.	X	X
RBY, W.A.		
ESTER, A.W.		
REG, D.		
EEM	X	Y
ESTIC, J.P.		
RY, G.E.		
DONALD, M.M.		
ORGAN, R.V.	X	X
OTTER, G.L.		
ZZUTO, V.M.		
NOLIN, N.E.		
EPHER, P.I.		
LIVAN, M.T.		
WANSON, E.R.		
SILMAN, K.G.		
HEE, J.S.		
IKINSON, R.B.		
NLSON, J.M.		
ANE, J.O.		
ALBERT	X	X
BARRETT	X	X
CIDDD	X	X
IN	X	X
VARDO	X	X
SHUBERT	X	X
WANDER	X	X
PERMITS CONTROL	X	X

June 17, 1992

92-RF-6746

Terry A. Vaeth
Manager
DOE, RFO

Attn: Gail Hill

WHOLE EFFLUENT TOXICITY (WET) TEST REDUCTION PER NPDES-FFCA - JEE-0433-92

The National Pollutant Discharge Elimination System (NPDES) Federal Facilities Compliance Agreement (FFCA) (FFCA-CWA-90-1) required that, beginning September 30, 1990, the Department of Energy (DOE) "analyze final effluent samples from the [Sewage Treatment Plant] STP and A-4, B-5, and C-2 pond discharges for acute toxicity." Monthly sampling was implemented in January 1990 due to a concern for possible negative effects from herbicides (Atrazine and Simazine) that were used in the buffer zone. In order to establish a database, in-pond samples were taken monthly in conjunction with terminal pond discharge samples.

The NPDES FFCA also states that "sampling shall be monthly for six consecutive months and quarterly thereafter until the date that the renewal NPDES permit becomes effective." By the end of June 1992, there will be 29 months of WET test data for the in-pond samples and six consecutive monthly samples for A-4 effluent. C-2 pond has not been released frequently enough in the 29 months to have collected six consecutive months of effluent data; in-pond sampling, however, has established a pattern of non-toxicity.

B-5 pond has been released directly offsite only once since the beginning of the FFCA requirement (September 30, 1990) which has provided one effluent WET test. The monthly in-pond sampling has provided 2-1/2 years of testing. The STP effluent has also been tested monthly since September 1990 (Table 1, attached).

Given the pattern of non-toxicity of water released from A-4 and C-2 and the 29 consecutive months of effluent and/or in-pond testing, it is proposed that Building 995 and terminal pond effluents be tested on a quarterly basis beginning July 1, 1992. If a terminal pond is not being released at the time of sampling, an in-pond sample will be tested. This sampling plan will fulfill the intent of the NPDES FFCA by transitioning from the consecutive six months of sampling to sampling on a quarterly basis in each terminal pond and Building 995 effluent.

If you have any questions, feel free to contact Holly Wolaver of the Surface Water Division at extension 8652.

CLASSIFICATION:		
UNCLASSIFIED	X	X
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER
SIGNATURE (UN)
6-16-92
DATE


J. E. Evered, Director
Environmental Management

IN REPLY TO RFP CC NO:

HAW:vbs

ACTION ITEM STATUS
 OPEN CLOSED
 PARTIAL
PROV
ORIG & TYPIST INITIALS
HAW:VBS

Orig. and 1 cc - T. A. Vaeth

Attachment:
As Stated

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE