

DOE ORDER #
94 RF 0127



00001079

EG&G ROCKY FLATS

DIST	TR	FAC
AMARAL ME		
BENEDETTI, R L		
BENJAMIN, A		
BERMAN H S		
BRANCH D B		
CARNIVAL G J		
COPP R D		
DAVIS J G		
FERRERA D W		
HANNI B J		
HARMAN L K		
HEALY T J		
HEDAHL T		
HILBIG J G		
KIRBY W A		
KUESTER A W		
MANN H P		
MARY G E		
MCDONALD M M		
MCKENNA, F G		
MONTROSE J K		
MORGAN R V		
POTTER G L		
PIZZUTO V M		
RILEY J H		
RISING T L		
SANDLIN N B		
SETLOCK G H		
STEWART D L		
SULLIVAN M T		
SWANSON E R		
WILKINSON R B		
WILLIAMS S (ORC)		
WILSON J M		
WYANT R B		
MELLEN	X	
FRANKLIN	X	X
COLLINS	X	
RECKARD	X	
DRAC	X	X
T Schmidt	X	X
LONDON	X	
File @	X	X
FRM	X	X
CORRES CONTROL	X	X
ADMIN RECORD		
PATS/T130G		
TRAFFIC		

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

January 17, 1994

94-RF-0127

F R Lockhart
Environmental Restoration Division
DOE, RFO

CONDITIONAL APPROVAL CHANGE TO INTERIM STATUS 750 PAD - SRK-003-94

On January 5, Solar Pond Projects (SPP) and RFO staff participated in a Colorado Department of Health (CDH) inspection tour of the new tanks on the 750 Pad. During that visit, we obtained information on a "minimalist" approach to meeting the conditions CDH established for their approval of the tank storage of sludge. This information will greatly reduce the impacts presented in the letter from S R Keith to F R Lockhart, SRK-280-93 "Change to Interim Status for 750 Pad," dated December 23, 1993.

This letter transmits our revised plans for meeting the sampling and tank-integrity conditions and provides the inspection procedure and certification plan relevant to the other CDH conditions. Based on our meeting on January 7, I understand that RFO will accept the CDH conditions if implementation is consistent with these plans, and that SPP is authorized to present these plans and related implementation documentation to the CDH. We will transmit facsimiles of tank certification documents to CDH as they become available and will schedule a meeting with CDH to review the pond characterization data. Other meetings and transmittal of information will be arranged as needed to support aggressive pursuit of DOE's schedule goals for the Accelerated Sludge Removal Project. We understand that RFO will authorize mobilization of the sludge transfer subcontractor once you are satisfied that our plans for meeting the conditions will be acceptable to CDH. We will keep you informed by phone of this rapidly moving effort.

If you have any questions, please contact me at 966-8541, or Joe Mellen at 966-8607

A R Keith

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UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

S R Keith
Director
Solar Pond Projects

jec

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SIGNATURE
DOCUMENT CLASSIFICATION
REVIEW-WAIVER-PER
CLASSIFICATION OFFICE

Enclosures
As Stated

DATE
IN REPLY TO RFP CC NO

Orig and 1 cc - F R Lockhart

ACTION ITEM STATUS
 PARTIAL/OPEN
 CLOSED
LTR APPROVALS

CC
S Howard - DOE, RFO
M A Witherill - " "

ORIG & TYPIST INITIALS
KCh jec

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Plan For Tank Coupon Tests, Rev 1, January 13, 1994

Coupons will be installed in six tanks so that the long-term integrity of the tanks can be monitored. Coupons will be removed for analysis after 5, 10, and possibly 15 years. The coupons will be fabricated by the tank vendor from material of the same composition, approximate thickness, and fabrication process as that used for the RFP tanks. The coupon material must pass all tests required for the RFP tanks. The nominal coupon size is expected to be 7" x 10" x 1" thick. Coupons will be placed in the tanks before those tanks are filled.

Coupons will be installed in two tanks containing B pond material, two tanks containing C pond material, and two tanks containing Clarifier material. Nine coupons will be placed in each tank. Three coupons will be located in the vapor space to serve as a controls and three pairs of coupons will be located below the liquid level in the tank.

After 5, 10, and possibly 15 years, one control coupon and one pair of coupons from below the liquid level will be removed. One of the pair will be analyzed to determine brittleness by the Low Temperature Impact Test specified in ASTM Specification D1998-91, "Standard Specification For Polyethylene Upright Storage Tanks," June 3, 1991. The other coupon of the pair will be analyzed to determine tensile strength at yield per ASTM Specification D638-91, "Standard Test Method For Tensile Properties of Plastics," November 15, 1991. The tensile test specimens will be conditioned per ASTM Specification D618-61, "Standard Practice For Conditioning Plastics and Electrical Insulating Materials For Testing," September 18, 1961. The control coupon will only be tested if the other tests raise questions concerning the integrity of the tank.

Costs of the coupon program are estimated to total about \$60,000. The cost estimate is factored from the estimate submitted in 93-RF-15692, S R Keith to F R Lockart, "Change To Interim Status For 750 Pad - SRK-280-93," December 23, 1993. Details of the estimate are as follows:

Procure 60 coupons	\$10K
Install coupons in tanks	12K
Three Retrievals	20K
Shipping & Testing	10K
Retrieval Reports	2K
Subtotal	54K
Contingency @ 20%	5K
Total	59K