

DOE ORDER #

93-RF-11785



EG&G ROCKY FLATS

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

DIST	TR	ENC
AMARAL M E		
BENEDETTI R L	X	
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		
MAX G E		
MCDONALD M M		
MCKENNA F G		
MONROSE J K		
MORGAN R V		
POTTER G L		
PIZZUTO V M		
RILEY J H		
RISING T L		
SANDLIN N B		
SEFLOPING H		
STEWART D L		
SULLIVAN M T		
SWANSON E R		
WILKINSON R B		
WILLIAMS S (ORC)		
WILSON J M		
WYANT R B		
<i>Verne Mellen</i>		
<i>Joe Mellen</i>		
<i>etc</i>		
<i>etc</i>		
CORRESP CONTROL	x	x
ADMIN RECORD		
PATS/T130G		
TRAFFIC		

September 24, 1993

93-RF-11785

F R Lockhart
Environmental Restoration Division
DOE, RFO

DEPARTMENT OF ENERGY (DOE) HEADQUARTERS BRIEFING OF SEPTEMBER 16, 1993 - SRK-204-93

Mr A Rampertaap requested two items of information from the Solar Pond Projects at the above subject meeting. The first is an assessment of 904 and 750 pad operations costs and what has been done to reduce those costs by fiscal year since 1990. This has been done to the best of our ability as costs were not collected with that specificity until FY93. The second item is why EG&G Rocky Flats (RFP) has concluded top access tanks for sludge storage is acceptable for reclaim and processing of the sludge.

Attached are the replies to these two items as generated by the Solar Ponds staff

If you have any questions regarding the first item, contact Don Ferner at extension 8767. If you have any questions regarding the second item, contact Joe Mellen at extension 8607.

S R Keith
Director
Solar Pond Projects

bep

Attachments
As Stated

Ong and 1 cc - F R Lockhart

cc
A H Paule DOE, RFO
R J Schassburger " "

CLASSIFICATION	
UCNI	
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SECRET	

AUTHORIZED CLASSIFIER
SIGNATURE
DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

DATE

IN REPLY TO RFP CC NO

ACTION ITEM STATUS
 PARTIAL/OPEN
 CLOSED
LTR APPROVALS

ORIG & TYPIST INITIALS

WASTE SOLIDIFICATION OPERATIONS COSTS

September 23, 1993

Fiscal Year	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>
	21,728	15,404	13,157	6,894 (1)	7,592(6)

Notes

- (1) Year end estimate based on August 1993 Actuals
- ~~(2) Costs include Resource Conservation and Recovery Act (RCRA) inspection efforts for each year~~
- (3) 1991 - Remix and recertification efforts terminated
- (4) 1992 - Completed waste movement to 904 Pad - commenced reduction in personnel by attrition Started task analysis by Radiological Engineering to reduce costs of Radiation Protection Technicians (RPTs)
- (5) 1993 - 10 FTEs assigned to other areas Reduced the frequency of the Pad RCRA Inspection from daily to weekly as strictly required by RCRA regulation
- (6) Work Package estimate for 1994 and including Costs for repacking and restacking of the Waste material on the 904 Pad A reduction in force (RIF) of 10-14 FTEs is assumed Significantly increased the specificity of tasks for Waste Solidification efforts Collection of Pad run-off water planned to be terminated following completion of Pad sealing
- (7) The 1994 work package costs could decrease by approximately \$1500K, if the waste pile designation for the 904 Pad is approved by Colorado Department of Health (CDH) and the workers from Waste Solidification for this effort can be promptly reassigned and/or terminated

Rationale For Top-Discharge Poly Tanks

- Risk of leakage with side fittings (RCRA) Tanks with no fittings on the sides and bottom are inherently safer. If you have no fittings on the sides and bottoms, there is nothing to leak under normal circumstances.
- Experience/standard practice (Operations) We have good experience with top unloading. Normal operating practice is to remove sludge from the "top". This is how we presently do it at the Clarifier. And, in essence, this how we remove the sludge from the ponds.
- Space on pads (Operational) If we had to perform operations at the side of the tanks instead of the top, we would have to space the tanks farther apart. This would take up more permitted storage space.
- Difficulty in designing with double-wall tanks (RCRA/Cost). Side and bottom fitting would be more difficult to design. These are two-wall (or tank within a tank) tanks. Putting side fittings on the inner tank would be an unnecessary complication.