



Rocky Flats Plant
Aerospace Operations
Rockwell International Corporation
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Rockwell
International



000025370

Contractor to U.S. Department of Energy

JUL 12 1989

89-RF-2402

Edward S. Goldberg
Acting Area Manager, RFO

PROTECTION OF PONDCRETE AND SALTCRETE
PENDING REPACKAGING AND SHIPMENT

On October 3, 1988 I sent a letter to Earl Whiteman (letter attached) which provided a written plan which addressed the storage of pondcrete (and saltcrete) on the 750 and 904 Pads. In part, this letter recommended that DOE provide \$3.6 Million to construct temporary structures over the pondcrete and saltcrete in order to minimize future adverse environmental impacts that may be caused by contaminated run-off leaving the pads. Additionally, after a meeting between Rockwell and DOE staff, Candice Jierree, wrote Mr. Whiteman on December 19, 1988, (letter attached) supporting Rockwell's recommendations for temporary structures.

Recent environmental monitoring data (June 1989) from both the 750 and 904 Pads indicate several instances where Plant Control Guides were exceeded for nitrates and gross beta in run-off waters from the pads. In order to minimize environmental impacts from the pads, we continue to (1) inspect the pondcrete and saltcrete on the 904 and 750 pads daily, (2) immediately repair and/or repackage deteriorated boxes (3) collect as much precipitation as possible from the pads using pumper trucks and treat the collected precipitation in Building 374 and (4)

CORRES CONTROL
OUTGOING LTR. NO.

99 RF 2402

DIST.	LTR	ENCL
SANCHINI D.J.	X	
BADER C.P.		
ERFURDT R.J.	X	
HEINZ E.R.	X	
HOOD R.C.		
OEKER E.H.		
KINZER J.E.		
KIRBY W.A.		
MCNETT J.F.	X	X
MEYERS G.W.		
ROECKER J.H.		
SHANNON W.M.		
WESTON W.F.	X	X
WOZNIAK B.O.		
YOUNG E.R.		

BETCHER D.W.		
CARNIVAL G.J.		
FERRERA D.W.	X	
HARMAN L.C.		
HEBERT J.J.		
HOEY J.B.		
HOFFMAN R.B.		
KLAMANN R.L.		
KRIEG D.M.		
LOUCENBURG G.E.		
McKINLEY K.B.	X	X
NAIMON E.P.	X	X
NEWBY R.L.		
TURNER W.L.		
VELASQUEZ R.N.		
A. SCHUBERT	X	X
P. ARNOLD	X	X
F. HOBBS	X	X
CORRES CONTROL	X	X
CONTRACT ADMIN.		
G. SETLOCK	X	

CLASSIFICATION
UNCLASSIFIED X
CONFIDENTIAL
SECRET

AUTH CLASSIFIER SG.
WFL

DATE 7-11-89
IN REPLY TO LTR. NO.

DEC #
LTR APPROVALS
KBM
JFM
WFW

DATE & TIME
ALS/PL

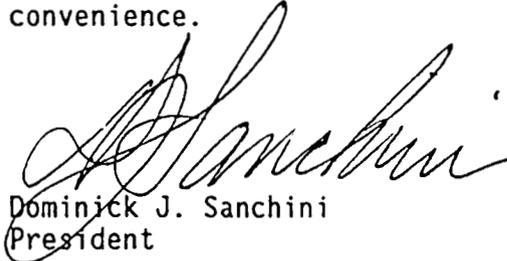
ADMIN RECCRD

E. S. Goldberg
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repackage and ship pondcrete to the Nevada Test Site (we are currently awaiting approval to ship saltcrete). However, even with these ongoing actions, the need for temporary structures to cover the pondcrete and saltcrete still appears to be necessary.

I am available to discuss this matter with you at your earliest convenience.

A handwritten signature in cursive script, appearing to read "D. Sanchini".

Dominick J. Sanchini
President

Orig and 1 cc - E. S. Goldberg

Enc.



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OCT 3 1988

88-RF-3068

A. E. Whiteman
Area Manager
DOE, RFAO

MANAGEMENT OF PONDCRETE PENDING REPACKAGING
NUMBER 1755-RF-88

This is in response to your letter of September 21, 1988 in which you requested a written plan that addresses the storage of pondcrete on the 904 and 750 pads. I will address each of the concerns raised in your letter in the same order presented.

1. Handling techniques which will preclude further spills or leaks of pondcrete onto or off of the asphalt pads.

Attached you will find Waste Operations Procedure, WO-4053, which addresses handling techniques that should preclude future spills or leaks of pondcrete off of the asphalt pads. Prevention of future spills or leaks of pondcrete will be almost impossible given the current condition of some of the boxes of pondcrete. However, plastic will be placed around the stacks when they are disassembled to minimize spills onto the asphalt. The pondcrete stacks are inspected each day. Any leaks onto the asphalt are immediately cleaned up. All of the boxes will be inspected individually over the next few months. Leaking and deteriorated boxes will be overpacked in steel boxes.

2. Methods for safe storage of pondcrete for a minimum of three years.

Members of your staff attended a recent meeting in which we discussed alternatives that would provide safe storage of pondcrete for a minimum of three years.

We arrived at two alternatives, both of which were unplanned for from a budgeting standpoint. The first, and most preferred alternative, is to cover the pondcrete stacks with a number of temporary structures such as those used at LANL. The estimated cost for this

alternative is \$3.6 million. The second alternative is to construct earthen berms around the pads to collect and store precipitation until we can transfer the water by pumper truck to Building 374 for treatment. The estimated cost for this alternative is \$600,000.

We have arranged to meet with members of your staff on October 5 to discuss these alternatives in more detail.

3. A method for collecting precipitation from the pads which addresses berm integrity and repair, collection, storage and treatment of the collected water.

See two, above.

4. A program for routine as well as incident sampling of ponded water and any runoff which may occur into the surrounding culverts and ponds B-3 and B-4.

HS&E, Environmental Management has arranged for the weekly sampling and analysis of the B-5 Pond. The pond will be analyzed for the following constituents; field pH, nitrate as nitrogen, gross alpha, gross beta, tritium, gamma and TDS. Additionally, water that collects inside the berms of the 904 and 750 pads will be sampled for the previously mentioned constituents after each precipitation event. These requirements are being placed in the "RCRA Unit-Specific Procedures" for these two storage locations.

If you have questions, please call K. B. McKinley on extension 4934.



Dominick J. Sanchini
President

Orig. and 1 cc - A. E. Whiteman
Enc.