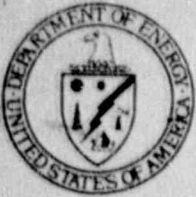


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WM-48



Department of Energy
Albuquerque Operations Office
P. O. Box 5400
Albuquerque, New Mexico 87115

RETURN ORIGINAL TO PDR, HQ.

NOV 14 1989

Mr. Ramon E. Hall
Director, Uranium Recovery Field Office
U.S. Nuclear Regulatory Commission
Region IV
P.O. Box 25325
Denver, CO 80225



Dear Mr. Hall:

Enclosed for your approval is PID #03-S-23. It has been agreed that the no bentonite Type C radon barrier, which makes up the first radon barrier layer, need not have its moisture content held between optimum and 4% over optimum during placement. There are two reasons for this: (1) to avoid disturbing the tailings during the moisture conditioning which would otherwise be required, and (2) so that the Type C layer will absorb excess moisture, if any, percolating down from the layers above. This moisture content range does apply, of course, for those other layers (Types A and B).

This was the intention of the specifications, when the new cover specification was written. The provision (02200, 3.5.D.2) which imposed the 0% - 4% range did not contain language to specifically exclude the Type C material from that standard. The purpose of this PID is to clarify the requirement.

This change to the specifications changes the requirements for the radon barrier, as written. As a Class I change, it requires your approval.

If you have any questions, please call Elizabeth Damler of my staff at 846-1224.

Sincerely,

Mark L. Matthews
Acting Project Manager
Uranium Mill Tailings Project Office

8912130506 891114
PDR WASTE
WM-48 PNU

Enclosure

cc w/enclosure:
M. Kearney, JEG

cc w/o enclosure:
C. Watson, UMTRA
D. Gillen, NRC

DF02
11

DESIGNATED ORIGINAL

Certified By *Mary C. Ford*

Add Info
90-0119



UMTRA PROJECT OFFICE
PROJECT INTERFACE DOCUMENT

8800U/0217U

Site Durango	Date 10/18/89	PID No. 03-S-23	Site No. 03	Vic Pro No.
Originator and Location M. Wesely, San Francisco	Phone (415) 442-7517	Organization MKS	Answer By:	References: Subcontract: Subcontract No:
Subject Type C Radon Barrier Moisture Content				

Description of Problem and Recommended Solution Clarification Change

Problem: Changes incorporated by PID 03-S-13, Rev. 1 present a potential conflict in compaction requirements for moisture content of Type C radon barrier material. Section 02200, Subsection 3.5.C.15 states that "Type C . . . shall be moisture conditioned, if required. . . , to allow the material to be compacted as specified". Another Subsection 3.5.D.2 states that "During compaction of radon barrier materials, moisture content shall be maintained at zero to plus four percent. . . ." The initial radon barrier layer, Type C, was not to be included in this 0 to 4 percent moisture requirement.

Solution: The Type C radon barrier material is best placed at the lowest moisture which will give proper compaction densities. This first lift was to act as a buffer zone to prevent cross contamination of the tailings with the Type A and B radon barrier materials during construction activities. Therefore Subsection 3.5.D.2 should be clarified by inserting Type A and Type B into the sentence as follows: "During compaction of radon barrier materials Type A and Type B, moisture content shall be maintained at Zero to plus four percent. . . ." (The rest of the Subsection to remain the same.)

Originator M. Wesely 10/23/89
Signature _____ Date _____

Disposition Approved Disapproved Approved as Noted

Criteria Change? Yes No
(If Yes, DOE approval required)

Class I

DOE _____ DATE _____

RAC Site Manager William W. [unclear] 10/26/89
RAC Project Control William W. [unclear] For 310 10/26/89
RAC Engineering/Design [unclear] for F. V. Feliz
RAC Construction Engineer [unclear] FOR R.C.
Reviewed for Quality Requirements [unclear] 10/26/89
Signature _____ Date _____

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	_____	_____	RAC Constr. Engr. Mgr.	_____	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	_____	_____	RAC Qual. Mgr.	_____	
TAC Site Mgr.	_____	_____	Other	_____	
RAC Site Qual. Engr.	_____	_____		_____	
RAC HS&E Mgr.	_____	_____		_____	