



Department of Energy
Albuquerque Operations Office
P. O. Box 5400
Albuquerque, New Mexico 87185-5400

NOV 30 1994

Mr. Joseph J. Holonich, Chief
High-Level Waste and Uranium Recovery
Projects Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards
Mail Stop 5E-4 OWFN
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Holonich:

Enclosed for your information is one copy of Project Interface Document (PID) Number 06-S-35, Revision 1. This PID allows the use of frozen material when backfilling at the processing sites. This PID is necessary because the subcontractor is planning to backfill the Old Rifle processing site during the winter months, December 1 through February 28. This change is considered a class II since it does not affect compliance with Environmental Protection Agency standards.

Should you have any questions, please contact me at (505) 845-5668.

Sincerely,

Sharon J. Arp
Site Manager
Uranium Mill Tailings Remedial Action
Project Office

Enclosure

cc w/enclosure:
A. Mullins, NRC

cc w/o enclosure:
C. Smythe, UMTRA
D. Bierley, TAC
S. Wright, TAC
R. Hindman, MK-F

080007
9412080103 941130
PDR WASTE
WM-62

PDR



Printed on recycled paper

N204-11
WM-62



MORRISON KNUDSEN CORPORATION
ENGINEERING, CONSTRUCTION & ENVIRONMENTAL GROUP

UMTRA PROJECT

PROJECT INTERFACE DOCUMENT (PID)

Site: Rifle	Date: 17 November 1994	PID No.: 06-S-35 Rev. 1	Site No.: 06	Vic. Prop. No.
Originator and Location: G. G. Cherrington, SF, CA	Phone: 415/442-7690	Organization: MKES	Answer By:	References: Subcontract: Subcontract No:
Subject: Use of Frozen Material in Backfill at Processing Sites				

Description of Problem and Recommended Solution

☐ Clarification

☒ Change

PROBLEM

Rifle Specification Section 02200.3.5.B.3 states "Materials shall not be placed on frozen subgrade or frozen embankment material foundations, nor shall frozen material be used as fill".

This specification applies primarily to critical structures such as Class I facilities (disposal cell and associated drainage features).

[Continued on the following sheet]

Disposition	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved	<input type="checkbox"/> Approved as Noted	RAC Site Manager	<i>Robert C. Henderson</i>	11-21-94
Criteria Change? (If Yes, DOE approval required)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		RAC Project Control	<i>Salvatore J. Henderson</i>	11-21/94
				RAC Engineering/Design	<i>J. H. [unclear]</i>	11/18/94
				RAC Construction Engineer	<i>C. R. Spencer</i>	11/21/94
				Review for Quality Requirements	<i>Stuart J. Martin</i>	11/21/94
Class II						
DOE Site Manager Approval			Date			

CONTROLLED
WORK COPY

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<i>R. White</i>		RAC Const. Engr. Mgr.	<i>C. Spencer</i>	<input type="checkbox"/> Attached
DOE Proj. Engr.	<i>J. Nip</i>		RAC Qual. Mgr.	<i>J. Martin</i>	<input type="checkbox"/> Not Required
TAC Site Mgr.	<i>J. Wright</i>		Other	<i>D. Sanders</i>	<input type="checkbox"/> DOE Approval Req.
RAC Site Qual. Engr.	<i>J. White</i>			<i>B. Johnson</i>	
RAC HS&E Mgr.	<i>J. Cotton</i>			<i>D. Bladell</i>	

PROBLEM (Cont'd)

It is unduly restrictive for the Old and New Rifle processing sites where the purpose of the fill is for backfill, final site grading and positive drainage and as such is not critical.

SOLUTION

Revise the specifications to state that frozen fill can be placed at the Old and New Rifle Processing Sites providing it is granular, does not contain frozen clods of granular material larger than six (6) inches in diameter, and is not placed directly on ice or snow or frozen clayey soil. During placement, the clods should be broken down by construction traffic or compaction equipment.

The following revisions shall be made to the Subcontract Documents.

1. Specification Section 02200, Earthwork, Article 3.5.B.3 - Revise Article 3.5.B.3 to read:

"3. Frozen Material:

- a. For final grading at the disposal site or for construction of the tailings embankment, materials shall not be placed on frozen subgrade or frozen embankment material foundations, nor shall frozen material be used as fill.
- b. For final grading at the Old Rifle and New Rifle processing sites, frozen material may be placed provided it is granular, does not contain frozen clods of granular material larger than six (6) inches in diameter, and is not placed directly on ice or snow or frozen clayey soil. During placement, the clods shall be broken down by construction traffic or compaction equipment. Materials may be placed on a frozen subgrade of granular material. If the frozen subgrade is clay and/or silt, the frozen surface shall be removed down to unfrozen material before fill is placed.
- c. See Article 1.4 for the definition of Frozen Material or Subgrade or Foundation."