



Department Of Energy
Albuquerque Operations Office
P. O. Box 5400
Albuquerque, New Mexico 87185-5400
JAN 25 1996

Ms. Janet Lambert, Site Manager
High-Level Waste and Uranium Recovery
Projects Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards
MS T7J9
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Ms. Lambert:

Enclosed for your information is one copy of Project Interface Document (PID) Number 06-S-45, Revision Number 1. This PID modifies the seeding requirements as outlined in Specification Section 02935 of the Subcontract Documents for the Rifle, Colorado, Remedial Action Plan (RAP). Since this PID does not affect the intent of the design it is considered to be a Class II modification. Therefore it does not require approval by the Colorado Department of Public Health and the Environment and the Nuclear Regulatory Commission.

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

Sincerely,

Sharon J. Arp
Site Manager
Uranium Mill Tailings Remedial Action Team
Environmental Restoration Division

Enclosure

cc w/o enclosure:
S. Hamp, ERD
E. Artiglia, TAC
S. Cox, TAC
R. Hindman, MK-F



9706230147 960125
PDR WASTE
WM-62

PDR



Printed on recycled paper

WM-62
NH14



MK-FERGUSON
A MORRISON KNUDSEN COMPANY

UMTRA PROJECT OFFICE PROJECT INTERFACE DOCUMENT

Site: RIFLE, COLORADO	Date: 1-9-96	PID No: 06-S-45 Rev. No. 1	Site No: 06	Vic. Prop. No:
Originator and Location: ROBERT HINDMAN - MKF	Phone: (505) 246-2553	Organization: MK-Ferguson Company	Answer By:	Reference: Subcontract: RIFLE Subcontract No: RFL-92-01
Subject: REVISION TO SEED SPECIFICATIONS				

Description of Problem and Recommended Solution:

☐ Clarification

☒ Change

PROBLEM NO. 1

At Rifle there exists slopes which are as steep as 1.5:1 (generally along the south side of Highway 6 and 24 at Old Rifle and isolated areas at the Disposal site). Specification 02935 requires seeding by use of a rangeland drill. In the case of steep slopes or moist soils seeding is to be done by a mechanical broadcaster with the seed raked in (typically by hand). Subsequently seeded areas are to be mulched and the mulch crimped in. These methods are labor intensive and will require special considerations such as fall protection for workers and work on the highway shoulder. Hydroseeding and hydromulching are specifically not allowed by specification.

PROBLEM NO. 2

The specified seed mix for the Wet Meadow/Shrub Wetlands area contains seed types (Salt Grass *Distichlis spicata* and Foxtail Barley *Hordeum jubatum*) that are not commercially available. In addition, Foxtail Barley is not a desirable species.

Originator R.C. Hindman 1-9-96

Disposition: ☒ Approved ☐ Disapproved ☐ Approved as Noted

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

Class II

N/A

DOE Site Manager Approval

Date

**CONTROLLED
WORK COPY**

RAC Site Manager: R.C. Hindman 1-9-96

RAC Project Control: W. L. W. W. W. 1-12-96

RAC Engineering/Design: J. H. H. 1-10-96

RAC Construction Engineer: R.C. Hindman 1-15-96

Reviewed for Quality Requirements: J. J. J. 01/12/96

Signature

Date

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u>R. W. W.</u>		RAC Constr. Engr. Mgr.	<u>C. Spencer</u>	<input type="checkbox"/> Attached
DOE Proj Engr.	<u>J. H. H.</u>		RAC Qual. Mgr.	<u>M. Grayson</u>	<input type="checkbox"/> Not Required
TAC Site Mgr.	<u>J. Cox</u>		Other	<u>D. J. J.</u>	<input type="checkbox"/> DOE Approval Req.
RAC Site Qual. Engr.	<u>J. W. W.</u>			<u>B. Johnson</u>	
RAC HS&E Mgr.	<u>J. C. C.</u>			<u>J. Law/Jacobs</u>	

PROBLEM NO. 3

The current specifications require that seeding shall not be done when the ground is frozen. The specifications also refer to the Colorado Standard Specifications for Road and Bridge Construction section 212.03. This section allows seeding operation to continue into the fall until consistent ground freeze. Consistent ground freeze is defined as that time during the fall months in which the surface soil (topsoil), due to freezing conditions prevents the burying of seed 1/2 inch through normal drill seeding operations.

Obviously these two requirements are conflicting.

SOLUTION NO. 1

In order to allow flexibility for seeding of the slopes the specifications should be revised as follows:

02935 2.1.A.2, revise Article to read (revision italicized):

2. The seeding rates shown are for drill applied. *These rates shall be increased by 100 percent if broadcasting or hydroseeding method of application is used.*

02935 2.1.D.2, revise Article to read (revision italicized):

2. The seeding rates shown are for drill applied. *These rates shall be increased by 100 percent if broadcasting or hydroseeding method of application is used.*

02935 3.2, add Article C and D to read:

- C. Hydroseeding may be used on slopes steeper than 3:1. The carrying agent shall be a mixture of wood cellulose mulch and binder. Application rate of mulch and the type and application rate of binder shall be as approved by the Contractor.
- D. Hydroseeded slopes shall be hydromulched with a mixture of wood cellulose mulch and binder. Fertilizer may be applied together with hydromulch. Type and application rate of mulch, binder, and, if used, fertilizer for hydromulch shall be as approved by the Contractor.

SOLUTION NO. 2

Revise 02935 2.1.B.1 to substitute Fuels Alkaligrass (*Puccinellia distans*) for Salt Grass (*Distichlis spicata*) and Garrison Creeping Foxtail (*Alopecurus arundinaceus*) for Foxtail Barley (*Hordeum jubatum*). These substitutes have been approved by the USCOE Western Colorado Regulatory Office (see attached memo).

SOLUTION NO. 3

Revise 02935 3.1.A to read:

- A. Timing of Seeding: All final grades not covered by gravel or riprap shall be seeded in accordance with the schedule set forth in Section 212.03 of the Colorado Department of Highways Standard Specifications. Seeding materials shall not be applied during windy weather, when the ground is excessively wet except in Wet Meadow/Shrub Wetlands, or when snow is present. If the ground is wet in the Wet Meadow/Shrub Wetlands, broadcast method of application shall be used. Live plants shall not be planted when the ground is frozen.



WESTERN COLORADO REGULATORY OFFICE

FAX HEADER SHEET

U.S. ARMY, CORPS OF ENGINEERS, SACRAMENTO DISTRICT
WESTERN COLORADO REGULATORY OFFICE
402 BROAD AVENUE, ROOM 142
GRAND JUNCTION, COLORADO 81501-2563
(303) 243-1199
FAX NO. (303) 241-2158

DATE: 9-22-95

TO: Theresa Ruby
MLC

FROM: Grody McNamee

WESTERN COLORADO REGULATORY OFFICE

RELEASER'S SIGNATURE: *m*

NUMBER OF PAGES TO FOLLOW: 1

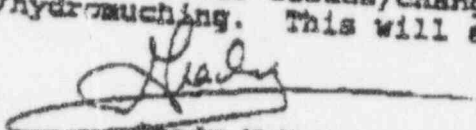
COMMENTS:

September 22, 1995

Theresa Ruby
MK Ferguson

Theresa

Thanks for the information. I do not see any problems with the substitution of the two mentioned species with Puccinellia distans and Alonecurus arundinaceus. I also do not have any problem with the two other issues/changes, mulch rates and hydroseeding/hydromulching. This will serve to document our file.


Grady McWare
Chief, Northwestern Colorado Regulatory
Office