



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

Recd. 12/5/89  
PAR

NOV 27 1988

Mr. Paul Lohaus, Chief  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

Dear Ed,

The U.S. Department of Energy (DOE) Uranium Mill Tailings Remedial Action (UMTRA) Project Office is hereby submitting Revision 1A to the Riverton, Wyoming, Remedial Action Inspection Plan (RAIP) for your review and concurrence and the Class II Project Interface Document (PID) 07-S-14 for your information and retention. The justification for this submittal is as follows:

- o DOE received a letter dated September 22, 1988 (Enclosure 1) from D. Lynn Askew, UMTRA Program Manager for the State of Wyoming Department of Environmental Quality requesting the specification for compaction of the Riverton, Wyoming processing site backfill be deleted from the subcontract documents. This request was based on the adverse effect compaction of the backfill would have on revegetation efforts.
- o In a letter dated October 6, 1988 (Enclosure 2), the DOE directed MK-Ferguson to investigate potential impacts (such as differential settlement) which might occur if the compaction requirement were deleted. DOE directed MK-Ferguson to delete the compaction requirement if the investigation indicated no significant impact.
- o In an interoffice correspondence (IOC) from J. S. Long (MK-Engineers) to J. G. Oldham (MK-Ferguson) dated October 13, 1988 (Enclosure 3), it was stated that "Differential settlement of four feet of uncompacted material would not create a significant impact."
- o PID No. 07-S-10, dated September 28, 1988 (Enclosure 4), was initiated by John Jones, MK-Ferguson's Riverton Site Manager deleting all references to density and moisture testing and compaction of subgrade and fill noted within Specification Section 02200, Earthwork.

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PDR WASTE  
WM-60 PDC

ADD: SWASTLER

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NL04

Mr. Paul Lohaus

- 2 -

As a result of meetings between DOE, MK-Ferguson, and the UMTRA Technical Assistance Contractor (TAC), it was determined PID No. 07-S-10 did not delete all items related to processing site backfill as intended. As a result, PID 07-S-14 completing the compaction deletion was prepared (Enclosure 5).

The remaining items in the RAIP would include only subcontractor requirements which are covered by the design specifications. Nonconforming items, audits, and surveillances are covered by MK-Ferguson's Quality Assurance Program Plan. These are the remaining items in the Riverton, Wyoming, RAIP Revision 1A (Enclosure 6). The explanation of changes in Revision 1A (Enclosure 7) details the changes made from the presently approved RAIP.

Please provide your review and concurrence of this RAIP within 21 days of the receipt of this transmittal. Upon NRC concurrence, the DOE will issue this document as the Riverton, Wyoming RAIP Revision 1.

If you have any questions, please contact Milt Scoutaris of my staff at FTS 845-5630.

Sincerely,



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

7 Enclosures

cc w/enclosures:

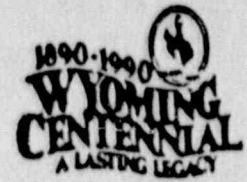
M. Scoutaris, UMTRA  
B. Bearden, JEG  
C. Watson, UMTRA  
C. Cormier, UMTRA  
M. Abrams, UMTRA

cc w/o enclosures:

P. Cate, MK-F  
F. Bosiljevac, UMTRA



STATE OF WYOMING



# Department of Environmental Quality

210 Lincoln Street • Lander, Wyoming 82520

Air Quality Division  
(307) 332-3144

Land Quality Division  
(307) 332-3047

Solid Waste Management Program  
(307) 332-3144

Water Quality Division  
(307) 332-3144

MR. J. J. JULLIVAN  
GOVERNOR

Sept. 22, 1988

Ms. Debbie Mann, Project Site Engineer  
U.S. Dept. of Energy  
UMTRA Project Office  
5301 Central Ave. NE; Suite 1720  
Albuquerque, New Mexico 87108

Re: Compaction at the Riverton Site

Dear Debbie:

Recently you received a copy of a letter I sent to Jim Oldham concerning backfill compaction at the Riverton site. The State wishes to have the specification for compaction dropped from the subcontractor's requirements because of the deleterious effects it will have on our revegetation efforts.

In my letter to Mr. Oldham I suggested that compaction not occur within four feet of the final backfilled surface. Since the excavation will be quite shallow, normal backfilling procedures will result in adequate compaction without additional efforts. Therefore, we request that the requirement for compaction be dropped altogether.

Should you have any questions please do not hesitate to contact me. I appreciate your attention in this matter.

Sincerely,

E. Lynn Askew  
UMTRA Program Mgr.

xc: R. Shaffer  
J. Jones, MK-F Riverton  
J. Oldham, MK-F Albuquerque





UMTRA PROJECT  
INTER-OFFICE CORRESPONDENCE

TO:	J. G. Oldham
	Attention: J. E. Williams
LOCATION:	MKF - Boise
SUBJECT:	UMTRA Project - RVT
	Backfill Compaction

DATE:	13 October 1988
DOC. NO.:	4005-RVT-I-01-01309-00
FROM:	J. S. Long
LOCATION:	San Francisco, CA

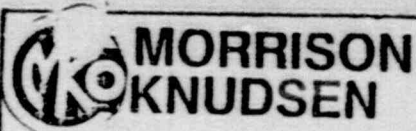
We have reviewed the State of Wyoming request to delete the requirement for backfill compaction in the 22 September 1988 letter from Lynn Askew.

Differential settlement of four feet of uncompacted material would not be a significant impact. (Some compaction would in fact occur because of equipment operation over the in-place backfill material). We therefore have no objection to drop the compaction requirement in the top four feet of the backfill.

*FJ. FELIZ FOR JSL*

J. S. Long

JSL/HEJ/nad



UMTRA PROJECT OFFICE  
PROJECT INTERFACE DOCUMENT

Site Riverton	Date 9/28/88	PIO No. 07-S-10	Site No. 7	Vic Pro No.
Originator and Location John Jones, Riverton	Phone (307) 586-1572	Organization MK-Ferguson	Answer By:	References: Subcontract: Subcontract No: RVT-87-02
Subject Backfill Compaction				

Description of Problem and Recommended Solution  Clarification  Change

Subcontract Specification 02200, Earthwork, Paragraph 3.7 requires a compaction of subgrade and fill of not less than 90 percent of maximum dry density as determined by ASTM D698.

In the attached letter the Wyoming UMTRA Program Manager has requested the deletion of any compaction requirement.

Specification Section 02200, Earthwork, will be revised to delete all references to compaction of subgrade and fill, and all references to density and moisture testing. The article numbers will be revised as necessary to reflect these changes and deletions.

Originator [Signature] 10/1/88  
Signature Date

Disposition  Approved  Disapproved  Approved as Noted

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

Class II

RAC Site Manager B. F. Stearns 10/4/88

RAC Project Control William W. Johnson for DOE

RAC Engineering/Design P. J. Feltz 11/1/88

RAC Construction Engineer J. Williams 11/4/88

Reviewed for Quality Requirements Bill Pennington 11-4-88

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u>J. Jones</u>		RAC Constr. Engr. Mgr.	<u>J. Williams</u>	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	<u>D. Mann</u>		RAC Qual. Mgr.	<u>P. Cole</u>	
TAC Site Mgr.	<u>M. Jackson</u>		Other	<u>J. Dickman</u> <u>J. Long</u>	
RAC Site Qual. Engr.				<u>J. Lyman</u> <u>V. Logan</u>	
RAC HS&E Mgr.	<u>B. Meyer</u>			<u>D. Mann</u>	





**UMTRA PROJECT OFFICE  
PROJECT INTERFACE DOCUMENT**

Site Riverton, WY	Date 09/26/89	PID No. 07-S-14	Site No. 07	Vic Pro No.
Originator and Location T. Jennings - APO	Phone (505) 766-1667	Organization MK-F	Answer By:	References: Subcontract: Subcontract No: RVT-87-02
Subject Remove Backfill Quality Requirements, Correct Surveying Tolerance Reference				

Description of Problem and Recommended Solution  Clarification  Change

**PROBLEM:**

1. Compaction requirements were to have been eliminated by PID #07-S-10. However, certain provisions remain in the specifications regarding processing site backfill which would require QA/QC inspection per a RAIF.
2. Specification provision 02200, 1.5.D, refers to Section 01052, Article 1.6. This reference is no longer correct; the correct reference is Section 01052, Article 1.5.

**SOLUTION:**

1. Remove provisions in Section 02200, Earthwork, as follows: 1.5.A; 2.1.B.2.b; 3.3.A.5, -.7, -.8; 3.5.B.2, -.4, -.5, -.6, -.7.
2. Change provision 02200, 1.5.D to read: "Tolerances: See Specification Section 01052, Article 1.5."

Originator T. Jennings 9/26/89  
Signature \_\_\_\_\_ Date

Disposition  Approved  Disapproved  Approved as Noted

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

Class II

RAC Site Manager	<u>T. Jennings</u>	9-26-89
RAC Project Control	<u>[Signature]</u>	9-26-89
RAC Engineering/Design	<u>F.J. Feliz</u>	9/27/89
RAC Construction Engineer	<u>Robert E. Cooney</u>	9/26/89
Reviewed for Quality Requirements	<u>[Signature]</u>	9/26/89

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u>A. Jones</u>		RAC Constr. Engr. Mgr.	<u>R. Cooney</u>	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	<u>D. Mann</u>		RAC Qual. Mgr.	<u>P. Cate</u>	
TAC Site Mgr.	<u>M. Jackson</u>		Other	<u>A. Wickham</u> <u>F. Feliz</u>	
RAC Site Qual. Engr.				<u>A. Nymas</u>	
RAC HS&E Mgr.	<u>F. Polvka</u>			<u>A. Garcia</u>	