

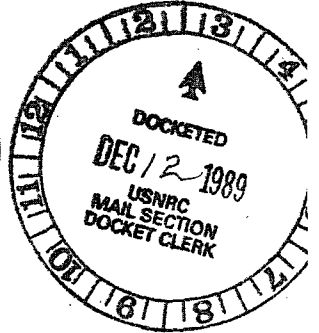


wm-73

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

DEC 06 1989

Mr. Edward F. Hawkins
Licensing Branch 1
Uranium Recovery Field Office
Nuclear Regulatory Commission, Region IV
P.O. Box 25325
Denver, CO 80225



Dear Ed,

Enclosed for your information is one (1) copy of Project Interface Document (PID) No. 18-S-13 concerning the Tuba City, Arizona site. The PID modifies the requirements for determining soundness of the bedding material and is considered to be a "Class II" change pursuant to Section 8.11 of the Remedial Action Plan.

If you have any questions or feel the "Class II" designation should be redesignated as "Class I", please contact Michael Abrams of my staff at (505) 845-4628 immediately. Otherwise, the change will be implemented.

Sincerely,

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

Enclosure

cc w/o enclosure:
D. Gillen, NRC-HQ
J. Oldham, MK-F
K. Agogino, JEG

OFFICIAL DOCKET COPY

9712290158 891206
PDR WASTE
WM-73 PDR

90-0150



UMTRA PROJECT OFFICE
PROJECT INTERFACE DOCUMENT

8809U/0217U

Site Tuba City	Date 10 Nov. 1989	PID No. 18-S-13	Site No. 18	Vic Pro No.
Originator and Location Derek M. Bolton, SFO	Phone (415) 442-7586	Organization MRES	Answer By:	References: Subcontract: Subcontract No:
Subject Use of Weighted Average for Soundness Testing of Bedding				

Description of Problem and Recommended Solution Clarification Change

Problem: Spec. No. 02278, Paragraph 2.1.D.1 specifies soundness testing of bedding per ASTM C88, which requires that the bedding test sample be separated into a coarse fraction (larger than No. 4 sieve) and a fine fraction (smaller than No. 4. sieve). Each fraction is then tested separately for soundness. The soundness of the fine fraction does not meet the requirements for soundness in Spec. No. 02278, Paragraph 2.1.C.3 (not more than 5 percent loss after 5 cycles).

Solution: Spec. No. 02278 will be revised to require that the weighted average of the coarse and fine fraction soundness values shall be calculated for each sample and that the weighted average values shall meet the requirements for soundness in Parag. 2.1.C.3.

Revise Spec. No. 02278, Parag. 2.1.D.1 by inserting the following sentence on Line 15: "For the Soundness test conducted in accordance with ASTM C88, the weighted average values calculated from the fine and coarse fraction test values shall be used".

Originator D. Bolton 11-10-89
Signature _____ Date _____

Disposition Approved Disapproved Approved as Noted

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

Class II

CONTROLLED WORK COPY

RAC Site Manager	<u>J. A. Hill</u>	11-13-89
RAC Project Control	<u>J. Hill</u>	11-13-89
RAC Engineering/Design	<u>P. K. Chen</u>	11-10-89
RAC Construction Engineer	<u>Robert E. Cooney</u>	11/13/89
Reviewed for Quality Requirements	<u>Phil DeLoate</u>	11/13/89

Signature _____ Date _____

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u>K. Wilhee</u>		RAC Constr. Engr. Mgr.	<u>K. Cooney</u>	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	<u>M. Abrons</u>		RAC Qual. Mgr.	<u>P. Cate</u>	
TAC Site Mgr.	<u>K. Nigogino</u>		Other	<u>J. Oldham</u> <u>F. Felie</u>	
RAC Site Qual. Engr.	<u>W. Rhyes</u>			<u>J. Nymas</u>	
RAC HS&E Mgr.	<u>F. Petrella</u>			<u>J. Car</u> <u>a</u>	



**MORRISON
KNUDSEN**

UMTRA PROJECT OFFICE
PROJECT INTERFACE DOCUMENT

8809U/0217U

Site Tuba City	Date 10 Nov. 1989	PID No. 18-S-13	Site No. 18	Vic Pro No.
Originator and Location Derek M. Bolton, SFO	Phone (415) 442-7586	Organization MKES	Answer By:	References: Subcontract: Subcontract No:
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Originator D. Bolton 11-10-89
Signature Date

Disposition Approved Disapproved Approved as Noted

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

Class II

**CONTROLLED
WORK COPY**

RAC Site Manager J. A. [Signature] 11-13-89

RAC Project Control [Signature] 11-13-89

RAC Engineering/Design P. K. Chen 11-10-89

RAC Construction Engineer Robert E. Conroy 11/13/89

Reviewed for Quality Requirements Phil DeLoe 11/13/89
Signature Date

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u>K. Wilbee</u>		RAC Constr. Engr. Mgr.	<u>R. Conroy</u>	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	<u>M. Abrams</u>		RAC Qual. Mgr.	<u>P. Cole</u>	
TAC Site Mgr.	<u>K. Maguire</u>		Other	<u>J. Oldham</u> <u>F. Feliz</u>	
RAC Site Qual. Engr.	<u>W. Hayes</u>			<u>J. Hyman</u>	
RAC HS&E Mgr.	<u>F. Petrella</u>			<u>J. Garcia</u>	



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Originator and Location Derek M. Bolton, SFO	Phone (415) 442-7586	Organization MKES	Answer By:	References: Subcontract: Subcontract No:
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Clarification

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Originator D. Bolton 11-10-89
Signature Date

Disposition Approved Disapproved Approved as Noted

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

Class II

CONTINUED
WORK COPY

John RAC Site Manager 11-13-89
Signature Date

[Signature] RAC Project Control 11-13-89
Signature Date

P. K. Chen RAC Engineering/Design 11-10-89
Signature Date

Robert E. Cooney RAC Construction Engineer 11/13/89
Signature Date

Phil DeLoe Reviewed for Quality Requirements 11/13/89
Signature Date

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u>K. Wilhee</u>		RAC Constr. Engr. Mgr.	<u>K. Cooney</u>	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	<u>M. Abrams</u>		RAC Qual. Mgr.	<u>P. Cate</u>	
TAC Site Mgr.	<u>K. Maggino</u>		Other	<u>J. Oldham F. Felie</u>	
RAC Site Qual. Engr.	<u>W. Hayes</u>			<u>J. Nyman</u>	
RAC HS&E Mgr.	<u>F. Petella</u>			<u>J. Coarisa</u>	



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Site Tuba City	Date 10 Nov. 1989	PID No. 18-S-13	Site No. 18	Vic Pro No.
Originator and Location Derek M. Bolton, SFO	Phone (415) 442-7586	Organization MRES	Answer By:	References: Subcontract: Subcontract No:
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Originator *D. Bolton* 11-10-89
Signature Date

Disposition <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Approved as Noted	<u><i>J. RAC Site Manager</i></u> 11-13-89
Criteria Change? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, DOE approval required)	RAC Project Control <u><i>J. [Signature]</i></u> 11-13-89
	RAC Engineering/Design <u><i>P. K. Chen</i></u> 11-10-89
	RAC Construction Engineer <u><i>Robert E. Conroy</i></u> 11/13/89
	Reviewed for Quality Requirements <u><i>Phil DeLoe</i></u> 11/13/89
	Signature Date

Class II

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Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u><i>K. W. Uhee</i></u>		RAC Constr. Engr. Mgr.	<u><i>R. Conroy</i></u>	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	<u><i>M. Abrams</i></u>		RAC Qual. Mgr.	<u><i>P. Cote</i></u>	
TAC Site Mgr.	<u><i>K. Ngogins</i></u>		Other	<u><i>J. Oldham F. Felie</i></u>	
RAC Site Qual. Engr.	<u><i>W. Rhyas</i></u>			<u><i>J. Nymas</i></u>	
RAC HS&E Mgr.	<u><i>F. Petella</i></u>			<u><i>J. Co. [Signature]</i></u>	



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8809U/0217U

Site Tuba City	Date 10 Nov. 1989	PID No. 18-S-13	Site No. 18	Vic Pro No.
Originator and Location Derek M. Bolton, SFO	Phone (415) 442-7586	Organization MKES	Answer By:	References: Subcontract: Subcontract No:
Subject Use of Weighted Average for Soundness Testing of Bedding				

Description of Problem and Recommended Solution Clarification Change

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Originator *D. Bolton* 11-10-89
Signature Date

Disposition Approved Disapproved Approved as Noted

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

Class II

CONTROLLED WORK COPY

RAC Site Manager *J. H. ...* 11-13-89
RAC Project Control *J. ...* 11-13-89
RAC Engineering/Design *P. K. Chen* 11-10-89
RAC Construction Engineer *Robert E. Cooney* 11/13/89
Reviewed for Quality Requirements *Phil DeLoe* 11/13/89
Signature Date

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u><i>K. Wilbee</i></u>		RAC Constr. Engr. Mgr.	<u><i>R. Cooney</i></u>	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	<u><i>M. Abrams</i></u>		RAC Qual. Mgr.	<u><i>P. Cote</i></u>	
TAC Site Mgr.	<u><i>K. Aguirre</i></u>		Other	<u><i>J. Oldham F. Felie</i></u>	
RAC Site Qual. Engr.	<u><i>W. Hayes</i></u>			<u><i>J. Nymas</i></u>	
RAC HS&E Mgr.	<u><i>F. Petrella</i></u>			<u><i>J. Garcia</i></u>	



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Originator D. Bolton 11-10-89
Signature Date

Disposition Approved Disapproved Approved as Noted

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

Class II

**CONTROLLED
WORK COPY**

J. A. [Signature] RAC Site Manager 11-13-89
[Signature] RAC Project Control 11-13-89
P. K. Chen RAC Engineering/Design 11-10-89
Robert E. Conroy RAC Construction Engineer 11/13/89
Phil D. [Signature] Reviewed for Quality Requirements 11/13/89
Signature Date

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u>K. W. Uhee</u>		RAC Constr. Engr. Mgr.	<u>R. Conroy</u>	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	<u>M. Abrams</u>		RAC Qual. Mgr.	<u>P. Coye</u>	
TAC Site Mgr.	<u>K. Maggino</u>		Other	<u>J. Aldham</u> <u>F. Felie</u>	
RAC Site Qual. Engr.	<u>W. Hayes</u>			<u>J. Hyman</u>	
RAC HS&E Mgr.	<u>F. Petrella</u>			<u>J. Garcia</u>	



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Site Tuba City	Date 10 Nov. 1989	PID No. 18-S-13	Site No. 18	Vic Pro No.
Originator and Location Derek M. Bolton, SFO	Phone (415) 442-7586	Organization MKES	Answer By:	References: Subcontract: Subcontract No:
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Originator D. Bolton 11-10-89
Signature _____ Date _____

Disposition <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Approved as Noted	Criteria Change? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If Yes, DOE approval required)	Class II	CONFIDENTIAL WORK COPY	RAC Site Manager <u>J. Oldham</u> 11-13-89	RAC Project Control <u>P. Cate</u> 11-13-89	RAC Engineering/Design <u>P. K. Chen</u> 11-10-89	RAC Construction Engineer <u>Robert E. Conroy</u> 11/13/89	Reviewed for Quality Requirements <u>Phil DeLoe</u> 11/13/89
				Signature _____ Date _____	Signature _____ Date _____	Signature _____ Date _____	Signature _____ Date _____	Signature _____ Date _____

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u>K. Wilhee</u>		RAC Constr. Engr. Mgr.	<u>K. Conroy</u>	<input type="checkbox"/> Attached
DOE Proj Engr.	<u>M. Abrams</u>		RAC Qual. Mgr.	<u>P. Cate</u>	<input checked="" type="checkbox"/> Not Required
TAC Site Mgr.	<u>K. Ngogino</u>		Other	<u>J. Oldham F. Felie</u>	<input type="checkbox"/> DOE Approval Req.
RAC Site Qual. Engr.	<u>W. Hayes</u>			<u>J. Hyman</u>	
RAC HS&E Mgr.	<u>F. Petella</u>			<u>J. Go...</u>	



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Originator

[Signature]

11-10-89

Signature

Date

Disposition

Approved

Disapproved

Approved as Noted

[Signature] RAC Site Manager

11-13-89

Criteria Change?

Yes

No

(If Yes, DOE approval required)

RAC Project Control

[Signature]

11-13-89

RAC Engineering/Design

[Signature]

11-10-89

RAC Construction Engineer

[Signature]

11/13/89

Reviewed for Quality Requirements

[Signature]

11/13/89

Signature

Date

Distribution

Name

Location

Name

Location

Cost/Time Est.

RAC Site Mgr.

[Signature]

RAC Constr. Engr. Mgr.

[Signature]

Attached

DOE Proj Engr.

[Signature]

RAC Qual. Mgr.

[Signature]

Not Required

TAC Site Mgr.

[Signature]

Other

[Signature] F. Felie

DOE Approval Req.

RAC Site Qual. Engr.

[Signature]

RAC HS&E Mgr.

[Signature]

[Signature]

[Signature]



**MORRISON
KNUDSEN**

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8809U/0217U

Site Tuba City	Date 10 Nov. 1989	PID No. 18-S-13	Site No. 18	Vic Pro No.
Originator and Location Derek M. Bolton, SFO	Phone (415) 442-7586	Organization MRES	Answer By:	References: Subcontract: Subcontract No:
Subject: Use of Weighted Average for Soundness Testing of Bedding				

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Originator D. Bolton 11-10-89
Signature _____ Date _____

Disposition Approved Disapproved Approved as Noted

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

**CONTROLLED
WORK COPY**

Class II

RAC Site Manager	<u>J. Oldham</u>	11-13-89
RAC Project Control	<u>J. Oldham</u>	11-13-89
RAC Engineering/Design	<u>P. K. Chen</u>	11-10-89
RAC Construction Engineer	<u>Robert C. Conroy</u>	11/13/89
Reviewed for Quality Requirements	<u>Chris D. Cook</u>	11/13/89

Distribution	Name	Location	Name	Location	Cost/Time Est.
RAC Site Mgr.	<u>K. Wilbee</u>		RAC Constr. Engr. Mgr.	<u>K. Conroy</u>	<input type="checkbox"/> Attached <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> DOE Approval Req.
DOE Proj Engr.	<u>M. Abramo</u>		RAC Qual. Mgr.	<u>P. Cote</u>	
TAC Site Mgr.	<u>K. Nigginis</u>		Other	<u>J. Oldham</u> <u>F. Felie</u>	
RAC Site Qual. Engr.	<u>W. Hayes</u>			<u>J. Nymas</u>	
RAC HS&E Mgr.	<u>F. Petrella</u>			<u>J. Garcia</u>	