

JUN 06 1987

PDR-1  
LPDR- Wm-10 (2)  
Wm-11 (2)  
Wm-16 (2)

426.1/D1021/87/05/29/WF

- 1 -

Mark J. Logsdon, Project Manager  
Nuclear Waste Consultants, Inc.  
Suite 14  
8341 S. Sangre de Cristo Rd.  
Littleton, CO 80127

Wm-RES  
WM Record File  
D1021  
NWC1

WM Project 10, 11, 16  
Docket No. \_\_\_\_\_

PDR ✓  
X PDR ✓ (B, A, S)

Distribution: \_\_\_\_\_

(Return to WM, 623-SS)

Dear Mr. Logsdon:

SUBJECT: REQUEST TO REVIEW SAND86-7001, MODIFICATION OF ROCK MASS PERMEABILITY IN THE ZONE SURROUNDING A SHAFT IN FRACTURED, WELDED TUFF

The NRC has recently received a copy of the report "Modification of Rock Mass Permeability in the Zone Surrounding a Shaft in Fractured, Welded Tuff", by J.B. Chase and P.C. Kelsall, dated March, 1987 (SAND86-7001). We request that Water Waste and Land, Inc. review this report. This report is important from a performance assessment standpoint and a review needs to be conducted as input to the NRC engineers evaluating shaft construction and design. In conducting this review we would like to have several questions addressed.

1. We would like a brief review of the bibliography cited in the report to determine if any major references have not been included.
2. We would like to know if there is adequate and sufficient basis to defend the model.
3. We would like to know if this model is better (in a regulatory sense) than an earlier model identified in a Department of Energy letter on "Exploratory Shaft Performance Analysis Study" dated July 15, 1985.

Both this report and the DOE letter have been sent to Water Waste and Land, Inc. The estimated completion date for this review is late July to early August.

The action taken by this letter is considered to be within the scope of the current contract NRC-02-85-009. No changes to costs or delivery of contracted products are authorized. Please notify me immediately if you believe this letter would result in a change to costs or delivery of contracted products.

Sincerely,

(Original Signed by \_\_\_\_\_)

Jeffrey A. Pohle, Project Officer  
Technical Review Branch  
Division of High-Level Waste Management  
Office of Nuclear Material Safety  
and Safeguards

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PDR WMRES EECNWC1  
D-1021 PDR

cc: Lyle Davis, WW&L Inc.  
Roy Williams, W&A Inc.

87203544  
WM Project: WM-10,11,16  
PDR yes  
(Return to WM, 623-SS)

WM Record File: D1021  
LPDR yes

3975

JUN 08 1987

426.1/D1021/87/05/29/WF

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OFFICIAL CONCURRENCE AND DISTRIBUTION RECORD

LETTER TO: Mark J. Logsdon, Project Manager  
 Nuclear Waste Consultants, Inc.  
 Suite 14  
 8341 S. Sangre de Cristo Rd.  
 Littleton, CO 80127

FROM: Jeffrey A. Pohle, Project Officer  
 Technical Review Branch  
 Division of High-Level Waste Management  
 Office of Nuclear Material Safety  
 and Safeguards

SUBJECT: REQUEST TO REVIEW SAND86-7001, MODIFICATION OF ROCK MASS  
 PERMEABILITY IN THE ZONE SURROUNDING A SHAFT IN FRACTURED,  
 WELDED TUFF

DATE:

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PDR	HLTR RF		

CONCURRENCES

ORGANIZATION/CONCUREE	INITIALS	DATE CONCURRED
HLTR/WFord	<i>W Ford</i>	87/06/04
HLTR/JPohle	<i>J Pohle</i>	87/06/04
HLTR/TVerma	<i>T Verma</i>	87/06/08

(original not received in the WMDCC)  
*6/10/87* *3:27 pm.*  
 Date / Time