

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

1-RES
WM Recd file
D1020
WEA

WM Project 10, 11, 16
Docket No. _____
PDR ✓
MLPDR ✓ (B, N, S)

✓ 426.1/D1020/JP/2/4/87

FEB 5 1987

- 1 -

Distribution: _____

(Return to WM, 623-SS)

Dr. Roy E. Williams
Williams and Associates, Inc.
P.O. Box 48
Viola, Idaho 83872

Dear Dr. Williams:

I have reviewed your monthly progress report for December dated January 7, 1987. This report describes the status of Williams and Associates' Technical Assistance under Contract No. NRC-02-85-008. Progress made to date under this contract is satisfactory.

Task 1 - NNWSI

We have received your reviews of the following NNWSI related documents:

1. Anderson, L.A., 1981, Rock Property Analysis of Core Samples from Calico Hills UE25a-3 Borehole, Nevada Test Site, Nevada. U.S. Geological Survey Open-file Report 81-1337, Denver, 29 p.
2. Anderson, L.A., 1981, Rock Property Analysis of Core Samples from the Yucca Mountain UE25a-1 Borehole, Nevada Test Site, Nevada. U.S. Geological Survey Open-file Report 81-1338, Denver, 36 p.
3. Klavetter, E.A., and Peters, R.R., July 1986, Estimation of Hydrologic Properties of an Unsaturated, Fractured Rock Mass. Nevada Nuclear Waste Storage Investigations Project, Sandia National Laboratories, Albuquerque, NM, SAND84-2642.

TASK 2 - BWIP

We have received your reviews of the following BWIP related documents.

1. Brown, W.R., and Jones, R.L., August 1985, Drilling and Completion Specifications for Wanapum (Type W) and Grande Ronde (Type GR) Multi-Level Piezometer Nest Boreholes. Rockwell-Hanford Operations, Richland, WA, SD-BWI-TC-026.
2. Loo, W.W., and Arnett, R.C., December 1984, Effective Porosity of Basalt: A Technical Basis for Values and Probability Distributions Used in Preliminary Performance Assessments. Rockwell Hanford Operations, Richland, WA, ST-BWI-TI-254.

Mr. Coleman has your outline on the proposed statistical analyses of off-site and on-site hydrochemical data under review. He will have to arrive at a schedule and milestones in order to include this project in the BWIP work plan. As a reminder, always include the objective (in regulatory as well as technical perspective) with your project plans. In addition, please forward a

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similar outline for your analyses of hydraulic gradients indicated by the cluster piezometer sites if you have not already done so.

We have received your trip report for the BWIP data review as required.

Task 3 - SRPO

We have received your review of the following:

1. Kreidler, C.W., Fisher, R.S., Senger, R.K., Hovorka, S.D., and Dutton, A.R., 1984, Hydrology of an Evaporite Aquitard: Permian Evaporite. Texas Bureau of Economic Geology, Austin, TX, OF-WTWI-1984-52.

Mr. Ross is awaiting WMRP approval of his plans for further review of WIPP related technology. Subsequent to that approval he will issue instructions for your participation.

Task 5

No comments.

Finally, because our agenda at our last meeting was modified due to pressing priorities, I propose to schedule a future meeting here in Silver Spring during March 17, 18 and 19. I request your attendance subject to final agreement on proposed dates.

The action taken by this letter is considered to be within the scope of the current contract NRC-02-85-008. 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,



Jeffrey A. Pohle, Project Officer
Geotechnical Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards

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- 3 -

OFFICIAL CONCURRENCE AND DISTRIBUTION RECORD

LETTER TO: Dr. Roy E. Williams
Williams and Associates, Inc.
P.O. Box 48
Viola, Idaho 83872

FROM: Jeffrey A. Pohle, Project Manager
Geotechnical Branch
Division of Waste Management, NMSS

SUBJECT: WM ACTION 87-016 - DEC 86 RPT FOR FIN D1020

DATE: 2/5/87

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CONCURRENCES

| ORGANIZATION/CONCUREE | INITIALS | DATE CONCURRED |
|-----------------------|---|----------------|
| WMGT/JPohle/cj |  | 2/4/87 |

ACTION WM-87016 DUE 2/5/87

Mailed 2/5/87
5:05 p.m.

| | | | | |
|---|---------------------------------------|---|---|--------------------------------|
| Williams Associates | | DATE OF DOCUMENT 1/7/87 | DATE RECEIVED 1/11/87 | NO WM-87016 |
| | | LTR XX | MEMO | CURT |
| | | ORIG. | CC | OTHER |
| TO - JPohle | | | | |
| | | ACTION NECESSARY <input checked="" type="checkbox"/> | CONCURRENCE <input type="checkbox"/> | DATE ANSWERED 2/5/87 |
| | | NO ACTION NECESSARY <input type="checkbox"/> | COMMENT <input type="checkbox"/> | BY WET |
| CLASSIF | POST OFFICE | FILE CODE: 426.1 (D1026) | | |
| DESCRIPTION (Must Be Unclassified) | REG. NO. | REFERRED TO | DATE | RECEIVED BY |
| Dec 86 Report for FIN D1026 | | PJustus | 1/13 | JPohle |
| ENCLOSURES | | JPohle | | |
| Action closed per letter to Dr. R. Williams from Jeff Pohle, WMGT dtd 2/5/87 | | | | |
| REMARKS | Action logged in by JG 1/13/87 | | | |