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AUG 11 1983

Dr. Robert J. Wright  
 Senior Technical Advisor  
 High-Level Waste Technical  
 Development Branch  
 Division of Waste Management  
 U. S. Nuclear Regulatory Commission  
 Washington, DC 20555

WM Record File <u>101.2</u>	WM Project <u>10</u>
	Docket No. _____
	PDR <input checked="" type="checkbox"/>
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Distribution: <u>R Wright</u>	_____
(Return to WM, 623-SS)	_____ <u>C2</u>

Dear Dr. Wright:

DOE/NRC PERFORMANCE ASSESSMENT WORKSHOP

A DOE/NRC workshop covering the Basalt Waste Isolation Project (BWIP) Performance Assessment activities is scheduled to be held at Richland on August 29 through 31 and September 1, 1983.

By copy of this letter, representatives of the State of Washington, Yakima Indian Nation, and Confederated Tribes of the Umatilla Indian Reservation are invited to attend this workshop. A copy of the agenda outlining the proposed topics to be discussed is enclosed for your information. As noted on the agenda, the meeting will be held at the 1135 Jadwin Building, and security badges are required for entry into this facility. To arrange for badges, please contact D. J. Squires of my staff by August 19, 1983. Mr. Squires can be reached at commercial number (509)-376-7240 or FTS 444-7240.

Very truly yours,

O. L. Olson, Project Manager  
 Basalt Waste Isolation Project Office

BWI:DJS

Enclosure

cc, w/encl:  
 M. W. Frei, DOE-HQ  
 Donald Provost, State of Washington  
 James B. Hovis, Representative of  
 Yakima Indian Nation  
 Elwood H. Patawa, Confederated Tribes  
 of the Umatilla Indian Reservation

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**AGENDA**  
**DOE/NRC WORKSHOP ON PERFORMANCE ASSESSMENT**  
**BASALT WASTE ISOLATION PROJECT**

**DATE:** August 29 September 1, 1983

**PLACE:** Richland, Washington (1135 Jadwin Building)

**PURPOSE:** To discuss and reach to the extent practicable a consensus approach for addressing the DSCA comments concerning the BWIP Performance Assessment.

**OBJECTIVES:**

- (1) To discuss performance assessment models and approaches.
- (2) To address questions of compliance with the proposed regulatory standards and criteria.
- (3) To clarify open topics in performance assessment which are raised in the DSCA and NRC staff performance assessment discussion paper.

**PARTICIPANTS:**

**DOE:** P. Lamont, D. Squires, P. Saget

**NRC:** D. Fehringer, M. Gordon, M. Logsdon, M. Weber, R. Wright

**Geotrans:** B. Ross (NRC consultant)

**Sandia National Laboratories:** R. Cranwell (NRC consultant)

**Golder Associates:** TBA

**Rockwell:** R. Arnett, R. Baca, M. Bensky, P. Clifton, J. Davis, R. Gephart, R. Jackson, J. Sonnichsen, R. Wilde, T. McCall

August 29 - Morning

- 8:00 - DOE Introduction
- 8:15 - NRC Introduction
- 8:30 - Brief overview of NRC performance assessment activities
- 10:00 - Presentation and discussion of NRC draft technical discussion paper
- 11:00 - Brief overview of BWIP activities.

Afternoon

- 1:00 - Discussion of technical basis for judging compliance with the EPA draft standard
  - Approach to identifying release scenarios and determining their probabilities
  - Treatment of human intrusion scenarios
  - NRC and BWIP methods of calculating groundwater travel times.

August 30 - Morning

- 8:15 - Significance of geochemical processes in far-field radionuclide transport
  - Determination of radionuclide source terms
  - Methods for quantifying uncertainty and determining compliance with 10 CFR 60 and 40 CFR 191.

Afternoon

- 1:00 - Code selection, application, and quality assurance
  - Verification, benchmarking, and validation of computer codes
  - Sensitivity analyses of repository performance.

**August 31 - Morning**

**8:15 - Approach to Modeling coupled thermo-hydro-chemical-mechanical processes**

**Approach to determination of the disturbed zone**

**Interaction of performance assessment with site characterization.**

**Afternoon**

**1:00 - NRC caucus/BWIP caucus**

**2:00 - Technical wrap-up**

**3:00 - Management wrap-up**

**September 1 - Reserved if needed**