



*MS 62355*  
*JMRF*

*J. John Linehan - H. Hildenbrand*  
**Department of Energy**

Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

*Linehan/Hildenbrand*  
*101*  
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**WM-10 (2)**

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March 5, 1987

**Distribution**

**BWI DIVISION AND QS DIVISION WEEKLY REPORTS**

Enclosed for your information are the Basalt Waste Isolation Division and the Quality Systems Division Weekly Reports for the week ending March 5, 1987.

*[Signature]*  
John H. Anttonen, Assistant Manager  
for Commercial Nuclear Waste

**Enclosures**

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BWI DIVISION WEEKLY REPORT  
MARCH 5, 1987

I. Critical Items Status

SCP

On February 27, RL issued formal guidance to Rockwell to take all preliminary information on Issue Resolution Strategies that was available at that time and commence the completion of all 8.3.X sections of the BWIP SCP. This action was taken to preclude potential further delays beyond those already experienced in completion of the SCP due to continued changes/refinements to some Issue Resolution Strategies. We are assessing our ability to meet the April 27, 1987, date for assembled review and will take all prudent management actions available to us to meet that schedule. Any further changes/refinements to the input for the BWIP SCP will be incorporated only if that can be done without impacting the schedule for SCP completion.

Weekly Meetings with NRC/State/Tribes Representatives

BWI Division has begun holding a weekly meeting with representatives of the NRC, State of Washington, and the Affected Tribes. The objective of these meetings is to provide a regularly scheduled forum for discussion and communication on matters related to the BWIP. The effort to enhance communication has been well received by all parties.

FY 1989 Budget Submittal

There has been considerable interaction between RL and Rockwell on development of the FY 1989 WPAS. The March 13 commitment date to HQ will be met.

II. Significant Accomplishments/Information Items

E&C Branch

- o The draft Waste Package Subsystem Design Requirements Document submitted by Rockwell on January 23, 1987, was reviewed. The document repeated requirements in higher-level requirements documents, but did not actually allocate a number of performance requirements to the waste package or components consistent with the waste package strategy, and did not adequately define interface requirements and constraints in sufficient detail to support start of Advanced Conceptual Design. This effort will have to be replanned in view of these concerns and the recent OGR guidance for the Advanced Conceptual Design.

- o NDE field testing of the ES I casing has been completed. All stiffener rings tested were found to be acceptable, i.e., showed a gap between I.D. of stiffener ring and O.D. of casing, which indicates a non-interference fit.
- o Preparation of Rev. 2 of the ESF TEC is proceeding on schedule at M-K's Boise office and should meet the HQ milestone of March 13, 1987, for delivery to HQ.
- o The OGR document, "Plan for the Advanced Conceptual Design of the Repository and the Waste Package" was transmitted to Rockwell for review and comment.
- o Direction was received from HQ on how to handle non-site characterization data in the tables for Issue 2.4. Based upon this direction, BWIP is finalizing this section and is sending it to word processing. This issue should be complete by early next week.

#### G&T Branch

- o Revisions to the potentially adverse conditions of Issue 1.8 were completed and sent to HQ on February 17.

All Geomechanics Study Plans will now have to be reviewed because of changes in the Issue Resolution Strategies. Review meetings on the subject are scheduled for the end of April.

- o Five Test and Operations Procedures were issued by the Exploratory Shaft and Geomechanics Testing Group.

Work initiation packages in the area of Exploratory Shaft Testing are being prepared but these will not be finalized until the Study Plans are completed.

- o Two bids have been received for geophysical (electric) logging of boreholes DC-24/25. The Integrating Contractor intends to make a recommendation for contract award in order that the selected Drilling Contractor can start work on logging procedures.
- o Back calculations of likely maximum tritium concentrations in drilling fluids suggest that tritium occurrence in DC-18 from the Priest Rapids to the Frenchman Springs is not due to contamination from drilling operations. This may imply a localized downward groundwater migration in the Gable Mountain area from the unconfined aquifer into the Wanapum Formation. DC-18 is outside

the Controlled Area Study Zone (CASZ). Confirmation analyses for tritium and iodine-129 are needed.

LES Branch

- o Completion of SCP Sections 8.3.1.2 (Geology), 8.3.1.4 (Geochemistry), and 8.3.1.6 (Resource Potential) continues to lag pending finalization of the Issue Resolution Strategies. Section 8.3.1.3 (Hydrology) is proceeding but at risk pending DOE agreement on the hydrology program. Review meetings for these sections will be rescheduled as the revised text becomes available.
- o Revision of Chapter 7 (Waste Package) has been delayed due to a resource conflict with finalizing the Issue Resolution Strategies. The scheduled Comment Resolution meeting on Chapter 7 has been delayed one week to the week of March 30.
- o The Rockwell Quality Assurance audit of SCP activities was completed. The audit report contained seven findings and three observations regarding implementation of existing procedures. No work was stopped as a result of this audit.
- o J. E. Mecca and S. C. Whitfield of BWI Division met with Norm Eisenberg, OGR, to discuss the State of Washington's concerns about the role of perceived Economic Risk in their grants and in DOE's SMMP and EIS baseline.
- o S. C. Whitfield attended a meeting of the State of Washington Environmental Radiation Monitoring Quality Assurance Task Force on March 3 in Hood River, Oregon. This was the first session attended by the three affected Indian tribes. As this task force is expected to consume a fair amount of staff effort on the part of the affected tribes, there is a concern about the appropriateness of funding these efforts out of the Nuclear Waste Fund.
- o Final reviews are underway on the Environmental Regulatory Compliance Plans to support a March 13, 1987, delivery date to HQ.

Other

- o A tour of BWIP facilities was provided to 50 representatives from the Yakima Indian Nation, Umatilla Confederated Tribes, and County Commissioners from Umatilla County, Oregon, on March 3. The tour went very well and the group displayed a lot of interest.

- o A presentation and tour covering BWIP was provided to the new Editorial Page Editor of the Tri-City Herald, the local newspaper, on March 4.

IV. Upcoming Events

See attached pages.



J. J. Keating, Director  
Basalt Waste Isolation Division

BWI UPCOMING EVENTS  
MARCH 5, 1987

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
<u>HQ Meetings</u>			
March 10-12	Hydrology Meeting	Albuquerque	Anttonen
March 11	Section 8.3.1.5 SCP review	HQ	Mecca
March 17-18	ACD Review	HQ	Nicoll
March 19-20	Quarterly Review and Budget Meeting	Denver	Anttonen/Keating
TBD	Review of BWIP Systems Integration Activities	Richland	Petrie
<u>Coordinating Group Meetings</u>			
March 9-13	ISCG	Albuquerque	Powell/Whitfield
April 28-29	Transportation Coordination Group	Salt Lake City	Petrie
<u>State/Indian/Public Interaction</u>			
March 12	DOE Engineering-Construction Symposium	Richland	Squires
April 19-21	Western Regional Energy Conference	Richland	Dahlem
April 21-22	States/Indian Tribes Quarterly Mtg.	Albuquerque	Anttonen/Powell
<u>Internal Project Meetings</u>			
March 10-12	BWIP LAR	Richland	Mecca/Krupar
April 15-16	BWIP Quarterly Update	Richland	Anttonen/Staff
<u>NRC Interactions</u>			
TBD	Geology Data Review	Richland	Dahlem/Mecca
TBD	Repository Design (workshop)	Richland	Nicoll/Kovacs

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
TBD	BWIP NRC meeting to discuss SCP Issues, Hierarchy, Resolution Strategy, Data Needs	HQ	Mecca/Dahlem
<u>International</u>			
March 10	Visitors from FRG (Drs. Heinz, Wurtinger, Bogorinski, Baltes, and Grundler)	Richland	Squires
April 1987	IAEA Natural Analog Meeting	HQ	Dahlem

QS DIVISION WEEKLY REPORT  
MARCH 5, 1987

I. Critical Items Status - None at present.

II. Significant Accomplishments/Information Items

Program Development

- o An ongoing program effort in the area of training of DOE personnel is in progress. Approximately 95 percent of all required training of DOE personnel has been completed. Because of SCP conflicts, completion was scheduled for March 1.
- o QSD is continuing to update the BWI QA Plan and QA administrative procedures to comply with the latest HQ documents and NQA-1 1986 requirements, and incorporate organizational changes. To date, 15 procedures have been approved and 17 are in the concurrence cycle.

Program Verification

- o Preparations for the scheduled audit of KE/PB in April are continuing. This will be a joint audit with Rockwell participation.
- o A number of surveillances have been planned during the month of April. These will be of the ongoing technical tasks of Rockwell, Westinghouse, and DOE.
- o An audit of BCSR activities has been scheduled for July. This will be a joint audit with Rockwell participation.

Program Restart

- o DOE reviews of Rockwell QA administrative procedures to support project restart continues. Current status is: 30 received, 23 approved, 2 returned for incorporation of comments, and 5 in DOE's review/comment process.
- o Review is ongoing based on the checklist established for partial lifting of the general stop work on Rockwell activities. To date, 37 discrepancies have been identified by the Readiness Review Team. These discrepancies cover the breadth of all management control systems being emplaced by Rockwell.
- o In order to provide further assurance that all DOE and Rockwell activities related to restart are being properly executed from a



quality management point of view, an Independent Management Readiness Team has been established and is conducting independent evaluations to be provided to the Readiness Review Chairman.

- o For the benefit of DOE-HQ, NRC, states, and affected Indian tribes, an in progress status briefing describing all stop work and restart activities to date is currently scheduled for March 17.

III. Upcoming Events

See attached page.

*R. P. Saget*

R. P. Saget, Director  
Quality Systems Division

QSD UPCOMING EVENTS  
MARCH 5, 1987

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
<u>HQ Meetings</u>			
None scheduled			
<u>State/Indian/Public Interaction</u>			
March 17	Restart Briefing	Richland	Kasch
April 19-21	Presentation of paper at ASQC Conference	Richland	Saget