



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555

January 30, 1984

MEMORANDUM FOR: Robert E. Browning, Director Waste Management  
FROM: F. Robert Cook, Senior On-Site Licensing Representative  
Basalt Waste Isolation Project (BWIP)  
SUBJECT: BWIP SITE REPORT FOR WEEK OF JANUARY 22, 1984

1. I prepared for a review of RHO, PNL and Westinghouse testing documentation as to its compliance with applicable BWIP Quality Assurance requirements. The Attachment to this memorandum contains the questions which I plan to ask. Reviews will be in the area of materials testing and geochemistry testing. Reviews have been planned to be carried out with DOE, BWIP and Quality Assurance personnel on January 30 at the 200W area and on January 31 at the 300 area (PNL and Westinghouse).
2. I participated 1 day in the geomechanical review session on January 24, 1984. This session was much like a recent geochemistry workshop session on Tuesday morning in that the BWIP Staff made a informational/status presentation with questions by the NRC representatives. The afternoon contained a visit to the NSTF.
3. Discussion with the BWIP Staff has identified a question in the performance assessment area as to the meaning of words in 60CFR113 (a)(B)(2), specifically "...ground water travel time along the fastest path of likely radionuclide travel from the undisturbed zone to the accessible environment...". This definition is key in modeling the geologic setting. Specifically, the amount of water consider to flow in such a path and the amount of mixing of water among pathways considered pertinent will affect the scale of hydrologic testing necessary to discover whether or not such limiting pathways exist.

This issue should be further highlighted in correspondence with the BWIP and in technical positions published concerning necessary test programs.

B406110080 B40130  
PDR WASTE  
WM-10 PDR

*F. Robert Cook*

F. Robert Cook  
Senior On-Site Licensing Representative

attachment: as

cf: HJMiller  
JTGreeves  
JOBunting  
MRKnapp  
RJWright  
PSJustus  
MJGordan  
JMHoffman

WM Record File

101

WM Project 10

Docket No.         

PDR

LPDR

Distribution:

(Return to WM, 623-SS) cc'd in FEB 4/84

ORIG. NOT AVAILABLE

781

Attachment A

1. Are test plans available and, if so, do they define pertinent test parameters, analyses, etc. or refer to appropriate lower tier planning or procedural documents?
2. Are procedures for selecting sample material identified?
3. Are dates specific on documents, and is it possible to relate data collection sheets with data to specific versions of test procedure specifications, plans, etc. ie, with pertinent test documents which data taker needs to run test? Are pertinent documents available to data taker?
4. Are End Function Technical Plans available, and are Test Plans consistent with End Function Plans?
5. Are pertinent procedures concurred in by QA organization people?
6. Are procedures for instrument calibration available for instruments specified in test procedure specifications or other pertinent test documents?
7. When automatic data takers are used are procedures adequate to provide for such data taking and do they require appropriate documentation of such data? Are automatic, data tapes etc, consistent with test procedure data forms. Are provisions provided for QA personnel overchecks?
8. If procedures are violated, is there a procedure for handling data so collected?
9. Do procedures, plans, etc, provide for specific sign offs? Are documents available to people who prepare procedures to tell them pertinent QA requirements including those in IQA-1 and other ANSI documents.



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*Joan - File  
orig  
Miller -  
follow-up*

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*5-18-84  
Suspense  
1st p. rec'd  
cleaned up*

WM Record File 101  
WM Project 10  
Docket No. \_\_\_\_\_  
PDR   
LPDR   
Distribution: \_\_\_\_\_  
(Return to W-1, 523-S) had to be 4/84

Attachment A

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