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Department of Nuclear Energy

April 12, 1984

WM Record File

A-3164

WM Project 10 11 16

Docket No. 1

PDR ✓

LPDR 11/15/84

Mr. Everett A. Wick
High Level Waste Licensing Management Branch
Division of Waste Management
Mail Stop 965 SS
U. S. Nuclear Regulatory Commission
Washington, D. C., 20555

Distribution:

EWick

(Return to W/M, 623-SS)

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Dear Mr. Wick:

Preparatory Work on Environmental Analysis (EA) Report Review

Please find enclosed a typed copy of BNL reviews of DOE data on waste package performance assessment. A preliminary handwritten draft was sent to you via my letter dated March 30, 1984. As mentioned in that letter the attached review forms generally address Subtasks A, B, C and D in the BNL Milestone Chart given in my letter to you dated March 1, 1984. Reviews with a check mark are considered to be key items. They were selected on the basis of the following general criteria:

- (a) They include a large data base
- (b) They address waste package component interactions
- (c) They document an unusual finding with respect to waste package component performance
- (d) The data are from long term performance tests
- (e) The information outlines a calculational approach which may be used during licensing to demonstrate compliance with NRC/EPA criteria.

Note that the reviews in each section are arranged according to the year of publication. For each year they are arranged alphabetically according to the authors name. Where no names are given in the document reviewed, the document number is used to locate it alphabetically.

Future work in the subject General Technical Assistance effort will involve a more detailed analysis of the adequacy, uncertainty and reliability of DOE waste package performance data using the standard review format sent to you in my letter dated April 4, 1984. Please find enclosed several reviews carried out to date using the new format.

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Work carried out to date on the DOE data review has identified several issues which need to be resolved by DOE prior to licensing. These are also enclosed as Waste Package Issue Identification Forms, as agreed in the BNL Program Review Meeting with Dr. Tokar on March 20, 1984.

Sincerely,



Peter Soo, Associate Division Head
Nuclear Waste Management Division

PS:gfs

Enclosure

cc without enclosure:

M. S. Davis

W. Y. Kato

H. J. C. Kouts

D. G. Schweitzer

J. Greeves, NRC

M. Tokar, NRC

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