

EXXON NUCLEAR COMPANY, INC.

2101 HORN RAPIDS ROAD, PO BOX 130, RICHLAND, WA 99352
(509) 375-8100 TELEX 15 2878

March 21, 1986

GNW:037:86

Mr. Herbert N. Berkow, Director
Standardization and Special Projects Directorate
Division of PWR Licensing - B
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Transmittal of Small Break LOCA Model Benchmark

- Ref.: (1) Letter, J.C. Chandler (ENC) to C.O. Thomas (NRC),
"XN-NF-82-49(P), 'Exxon Nuclear Company Evaluation
Model: EXEM/PWR Small Break Model', Completion and
Submission of Model Benchmarks," July 12, 1986..
JCC:133:85.
- (2) Letter, J.C. Chandler (ENC) to C.O. Thomas (NRC),
"XN-NF-82-49(P), 'Exxon Nuclear Company Evaluation
Model: EXEM/PWR Small Break Model', April 1982,
Submission of Supplement 1 to XN-NF-82-49(P). Dated
March 1, 1985. JCC:039:85.

Dear Mr. Berkow:

Enclosed are five copies of the benchmark calculation of the Oak Ridge
THTF test using the Exxon Nuclear Company small break LOCA model
currently under review by the Staff. This is the second of the four
benchmarks planned for submittal, as discussed in the Reference 1
letter. As stated in this reference letter, a summary report will be
issued at the completion of all the benchmarks and will provide the
formal issuance of the benchmarks with a topical report number.

This letter and attachment does not constitute an application for a new
review since these calculations are being submitted in response to
requests made during the small break LOCA model review. Therefore, no
application fee is required under the Commission's Regulation 10 CFR
170.12(f).

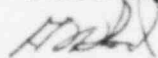
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Exxon Nuclear Company considers information contained in the attachment to be proprietary. In accordance with the Commission's Regulation 10 CFR 2.790(b), the Affidavit enclosed with the Reference 2 letter provides the necessary information to support the withholding of the attachment from public disclosure.

If there are questions, or if further information is needed, please contact me.

Sincerely,



G. N. Ward, Manager
Reload Licensing

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Enclosures

cc: Mr. H. Bernard (NRC)
Mr. N. Lauben (NRC)