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Department of Energy
Fast Flux Test Facility Project Office
P. O. Box 550
Richland, Washington 99352
MAR 6 1981



Nuclear Regulatory Commission
Washington, D.C. 20555

ATTN: Mr. James R. Miller, Chief
Standardization & Special Projects Branch

Gentlemen:

FFTF NATURAL CIRCULATION PRETEST PREDICTIONS FOR 75% AND 100% POWER TESTS

- References:
- 1) FFTF letter, C. S. Carlisle to J. R. Miller, NRC, "FFTF Natural Circulation Pretest Prediction for 5% Power Test," dated November 10, 1980.
 - 2) FFTF letter, C. S. Carlisle to J. R. Miller, NRC, "FFTF Natural Circulation Pretest Prediction for 35% Power Test," dated November 28, 1980.

In the referenced letters the FFTF Project transmitted the test predictions for the FFTF natural circulation transient tests initiated from 5% and 35% power.

Enclosed are the FFTF Project predictions for the FFTF reactor system transient natural circulation tests from 75% and 100% power. Included as an appendix to the test predictions is the up-to-date revision of the Test Specification, TS-51-5A008, "Transient Natural Circulation Test". Also enclosed are the current plans for completing the FFTF natural circulation test program. These plans provide for completion of the natural circulation tests in March 1981, with performance of the 75% and 100% power tests. The results of all of the natural circulation testing will be provided in the near future.

Very truly yours,

C. S. Carlisle
C. S. Carlisle, Director
FFTF Project Office

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Enclosures:

1. Pretest Predictions (75% Power)
2. Pretest Predictions (100% Power)
3. Modified Testing Plans

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