

F. L. CLAYTON, JR.  
Senior Vice President



September 2, 1980

Docket No. 50-364

Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Eisenhut:

Augmented Low-Power Startup Test Program  
Joseph M. Farley Nuclear Plant - Unit 2

Enclosed for your review are the following Alabama Power Company Farley Nuclear Plant Unit 2 Special Low-Power Startup Test Procedures along with the corresponding Westinghouse Safety Evaluation Report:

| <u>APCO Test Number</u> | <u>Title</u>  |
|-------------------------|---|
| 501-7-001               | Cooldown Capability of the Charging and Letdown System                    |
| 501-7-002               | Natural Circulation   |
| 501-7-003               | Natural Circulation with Simulated Loss of Power Conditions               |
| 501-7-004               | Effect of Steam Generator Secondary Side Isolation on Natural Circulation |
| 501-7-005               | Forced Circulation Cooldown   |

Test Numbers 501-7-001 through 501-7-005 incorporate tests 1-7 and 9a. Test 9b is presently under development and will be forwarded prior to receipt of Full Power license. Test 9b will not be performed until completion of the power ascension program and the vendor NSSS acceptance test.

If you have any questions, please advise.

Very truly yours,

  
F. L. Clayton, Jr.

RWS:de

Enclosures

cc's shown on page 2  
8009040386

Mr. Darrell G. Eisenhut, Director  
U. S. Nuclear Regulatory Commission

September 2, 1980  
Page 2

cc: Mr. R. A. Thomas  
Mr. G. F. Trowbridge  
Mr. L. L. Kintner  
Mr. W. H. Bradford

bc: Mr. R. P. McDonald  
Mr. H. O. Thrash  
Mr. O. D. Kingsley, Jr.  
Mr. J. A. Mooney  
Mr. K. W. McCracken  
Mr. R. E. Hollands  
Mr. O. Batum  
Mr. J. R. Crane  
Mr. A. A. Vizzi

ODK  
Lets discuss  
RLG

Westinghouse  
Electric Corporation

Water Reactor  
Divisions

|          |  |
|----------|--|
| R. L. G. |  |
| T. N. E. |  |
| M. D. R. |  |
| D. M. V. |  |
| W. M. J. |  |
| H. O. T. |  |
| R. P. M. |  |

APW-A-5341

RLG

*Needs Detailed comparison with NA*

Nuclear Commercial  
Operations Division

Box 255  
Pittsburgh Pennsylvania 15230

August 28, 1980

S.O. APR-4705

REF: a) APCo Letter  
FNP-80-0950, 6/17/80

Mr. O. Batum, Manager  
Nuclear Safety & Licensing  
Southern Company Services, Inc.  
P. O. Box 2625  
Birmingham, AL 35202

Dear Mr. Batum:

JOSEPH M. FARLEY NUCLEAR PLANT  
APR SER for Natural Circulation  
Special Tests

Attached is the Safety Evaluation Report (SER) for the performance of the natural circulation "special tests" at the Joseph M. Farley Nuclear Plant, Unit 2. This safety evaluation is based on the Farley, Unit 2 special test procedures, received via Reference a), including Westinghouse comments resulting from the review of these test procedures and previous Westinghouse SER's for other NTOL plants. Consistent with the Westinghouse position and since Farley, Unit 2 will not perform test 8, and 9B may be performed using decay heat; tests 8 and 9B have not been included in this evaluation.

If you have any questions pursuant to the above, please contact the undersigned.

Sincerely,

*J. L. Vota*

J. L. Vota, Manager  
Southern Company Projects

L. E. Conway/je  
Attachment

- cc: O. Batum 1L, 1A
- A. A. Vizzi 1L
- F. E. Ehrensperger 1L
- R. P. McDonald 1L
- V. C. Valakis 1L
- W. G. Hairston 1L
- B. E. Hunt 1L
- H. O. Thrash 1L
- O. D. Kingsley 1L, 1A



ATTACHMENT 1

Customer Reference No(s).  
\_\_\_\_\_

Westinghouse Reference No(s).  
(Change Control or RFQ as Applicable)  
\_\_\_\_\_

WESTINGHOUSE  
NUCLEAR SAFETY EVALUATION CHECK LIST  
PAGE 1 OF 3

(1) NUCLEAR PLANT(S) Farley Unit 2

(2) CHECK LIST APPLICABLE TO: APR Special Test Program  
(Subject of Change)

(3) The written safety evaluation of the revised procedure, design change or modification required by 10CFR50.59 has been prepared to the extent required and is attached. If a safety evaluation is not required or is incomplete for any reason, explain on Page 3.

Parts A and B of this Safety Evaluation Check List are to be completed only on the basis of the safety evaluation performed.

CHECK LIST - PART A

- (3.1) Yes  No  A change to the plant as described in the FSAR?
- (3.2) Yes  No  A change to procedures as described in the FSAR?
- (3.3) Yes  No  A test or experiment not described in the FSAR?
- (3.4) Yes  No  A change to the plant technical specifications (Appendix A to the Operating License)?

(4) CHECK LIST - PART B (Justification for Part B answers must be included on Page 3.)

- (4.1) Yes  No  Will the probability of an accident previously evaluated in the FSAR be increased?
- (4.2) Yes  No  Will the consequences of an accident previously evaluated in the FSAR be increased?
- (4.3) Yes  No  May the possibility of an accident which is different than any already evaluated in the FSAR be created?

ATTACHMENT 1 (Continued)Customer Reference No(s):  
\_\_\_\_\_Westinghouse Reference No(s).  
(Change Control or RFQ as Applicable)  
\_\_\_\_\_WESTINGHOUSE  
NUCLEAR SAFETY EVALUATION CHECK LIST  
PAGE 2 OF 3

- (4.4) Yes \_\_\_\_\_ No X Will the probability of a malfunction of equipment important to safety previously evaluated in the FSAR be increased?
- (4.5) Yes X No \_\_\_\_\_ Will the consequences of a malfunction of equipment important to safety previously evaluated in the FSAR be increased?
- (4.6) Yes \_\_\_\_\_ No X May the possibility of a malfunction of equipment important to safety different than any already evaluated in the FSAR be created?
- (4.7) Yes X No \_\_\_\_\_ Will the margin of safety as defined in the bases to any technical specification be reduced?

If the answers to any of the above questions are unknown, indicate under (5) REMARKS and explain on Page 3.

If the answer to any of the above questions in (4) cannot be answered in the negative, based on written safety evaluation, the change cannot be approved without an application for license amendment submitted to NRC pursuant to 10CFR50.90.

(5) REMARKS:

(6) APPROVAL LADDER (Signatures):

- (6.1) Prepared by (Nuclear Safety): G. E. Lang *G. E. Lang* Date: 8-28-80
- (6.2) Coordinated with (Engineer(s)): B. A. McIntyre/G. Ament *B. A. McIntyre* Date: 8/23/80
- (6.3) Coordinating Group Manager(s): J. Johnson/E. A. Dzenis *J. Johnson* Date: 8/23/80
- (6.4) Nuclear Safety Group Manager: D. G. Bevard *D. G. B.* Date: 8-26-80
- (6.2) *R. Radcliffe* 8/26/80  
R. Radcliffe
- (6.3) *P. K. Doshi*  
P. K. Doshi

ATTACHMENT 1 (Continued)Customer Reference No(s).  
\_\_\_\_\_Westinghouse Reference No(s).  
(Change Control or RFQ as Applicable)  
\_\_\_\_\_WESTINGHOUSE  
NUCLEAR SAFETY EVALUATION CHECK LIST  
PAGE 3 OF 3

The following summarizes the justification, based upon the written safety evaluation<sup>(1)</sup>, for answers given in Part B of the Safety Evaluation Check List:

See NS-LAA-80-73

(1) Reference to document(s) containing written safety evaluation: \_\_\_\_\_  
NS-LAA-80-73

PREPARED BY: G. E. Lang DATE: 8-28-80