



Alabama Power

The Southern Electric System
10 CFR 50.54 (f)

J. D. Woodard
Vice President-Nuclear
Farley Project

July 26, 1991

Docket Nos. 50-348
50-364

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Joseph M. Farley Nuclear Plant
Response To NRC Compliance Bulletin
No. 89-01, Supplement 2

Gentlemen:

In response to NRC Compliance Bulletin 89-01, Supplement 2, "Failure Of Westinghouse Steam Generator Tube Mechanical Plugs", the following information is provided for the actions requested:

NRC Item 1

Addressees are requested to verify that information contained in Table 2 of Reference 4 for their plants is correct for plugs fabricated from group 2 heats. (Addressees have previously verified similar information for group 1 plugs in response to the original bulletin.) The specific information to be verified is the number of Westinghouse mechanical plugs installed in the hot-leg and cold-leg side of each steam generator, categorized by heat number and date of installation. The plug operating temperatures for each plant given in Table 2 should also be verified. If information from this Table is incorrect, addressees should provide correct information. Addressees are requested to so state if their plants have not installed Westinghouse mechanical plugs from group 2 heats.

APCo Response

The information contained in Table 2 of Reference 4 from the group 2 heats relating specifically to Farley Nuclear Plant (FNP) Units 1 (ALA) and 2 (APR) is correct except for the following:

- One of the heat no. 6135 plugs in APR SG B has been removed from both the HL and the CL. Table 2 of Reference 4 does not note that any plugs have been removed for this heat in this generator.
- The installation date for the heat no. 6135 plugs in APR SG C was 03/89 and not 08/89 as shown in Table 2.

NRC Item 2

Addressees are requested to take the following actions, to be implemented initially during any refueling outage or extended outage (greater than four weeks) which ends 60 days or more following receipt of this bulletin and during all future refueling outages. For the period of time between receipt of the

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bulletin and 60 days, the actions requested in the original version of this bulletin continue to be applicable for plugs fabricated from group 1 heats.

NRC Item 2a

Addressees should implement appropriate remedial actions (i.e., repair and/or replacement) for all plugs whose estimated lifetime in item 2b, below does not extend to the next refueling outage.

APCo Response

Based on Table 2 of Reference 4 none of the FNP Units 1 & 2 plugs have estimated lifetimes which do not extend to the next refueling outage, therefore, no remedial actions are required.

NRC Item 2b

Remaining lifetime estimates (in effective full power days (EFPD)) are given in Table 2 of Reference 4 in the column entitled "Remain EFPD to MIN." These remaining lifetime estimates are relative to reference dates given in the column entitled "Reference CALC Dates." These remaining lifetime estimates may be used directly. These estimates should be adjusted to reflect any corrections noted in Actions Requested, item 1.

APCo Response

None of the corrections noted in item 1 have an effect on these calculations. According to these calculations the earliest required repair and/or replacement for any of the group 2 heats for the FNP Units are as follows:

<u>Unit</u>	<u>Heat No.</u>	<u>Year</u>
1	2387 (HL)	1998
2	6135 (HL)	1994

NRC Item 2c

For refueling outages or extended outages ending prior to November 30, 1991, remedial actions for plugs fabricated from NX-5222 may be deferred until the next scheduled refueling outage.

APCo Response

None of the FNP Unit 1 and Unit 2 plugs are fabricated from heat no. NX-5222 therefore, no remedial actions are required.

NRC Item 2d

Installation of Westinghouse mechanical plugs fabricated from Inconel 600 should be discontinued.

APCo Response

Installation of plugs fabricated from Inconel 600 has been discontinued.

NRC Item 2e

If for any refueling outage, the addressee does not plan to satisfy items 2a to 2d above, an alternative plan for insuring plug integrity, with appropriate technical justification, should be submitted to the NRC at least 30 days before the end of the refueling outage.

APCo Response

PNP plans to satisfy the requirements of Items 2a and 2d as noted above therefore, no further action is required for this item.

NRC Item 2f

Prior to any plug repairs or replacement, addressees are reminded that their responsibilities under ALARA require analysis of the various plug repair or replacement methods. In choosing a plug repair or replacement method, the licensee should consider the accessibility of the plugs and the dose reduction benefit of using robotic manipulators. Prior to plug repair or replacement, the licensee should consider steam generator decontamination and/or local shielding to reduce working area dose rates.

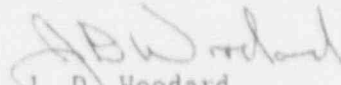
APCo Response

Radiation exposure, robotic manipulators, accessibility, shielding, decontamination and schedule will be considered in the implementation of the plug repair and replacement program.

If there are any questions, please advise.

Respectfully submitted,

ALABAMA POWER COMPANY

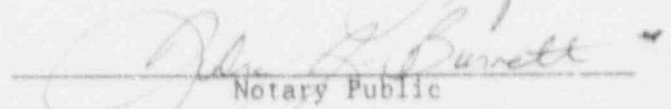

J. D. Woodard

JDW/CDP:pgr DK4-23

cc: Mr. S. D. Ebner
Mr. S. T. Hoffman
Mr. G. F. Maxwell

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 26th DAY OF July, 1991


Notary Public

My Commission Expires: 9-14-94