



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

July 30, 2015

Mr. C. R. Pierce
Regulatory Affairs Director
Southern Nuclear Operating Company, Inc.
Post Office Box 1295, Bin - 038
Birmingham, AL 35201-1295

**SUBJECT: VOGTLE ELECTRIC GENERATING PLANT, UNIT 2 (VEGP) – REQUEST FOR
ADDITIONAL INFORMATION ON FALL 2014 STEAM GENERATOR TUBE
INSPECTIONS (TAC NO. MF6052)**

Dear Mr. Pierce:

By letter dated April 2, 2015 (Agencywide Documents Access and Management System Accession No. ML15092A834), Southern Nuclear Operating Company (the licensee, SNC) submitted information summarizing the results of the fall 2014 steam generator (SG) tube inspections performed at Vogtle Electric Generating Plant, Unit 2. These inspections were performed during refueling outage 17. We have determined that additional information is needed, as noted below, in order to complete the review.

1. On page E-9 of the inspection report, in the section on SG Channel Head Primary Side Bowl Inspection, it is stated, "Satisfactory inspection results were observed in all SGs; no unacceptable degradation was found." Please clarify if any degradation was observed in the SG Channel Head Bowl. If so, please discuss the location, severity, and cause of degradation.
2. On page E-8 of the inspection report, a list of indications of tube wear and wall loss from secondary side cleaning is provided. Based on a review of this data and prior inspection reports, it appears that one indication in SG 1 row 1, column 78 (R1C78) is new. Please confirm. Also, the indication in the tube in SG 4 R42C93 was reported in the RFO 13 inspection report (ADAMS Accession No. ML090990606) and in your letter dated February 23, 2015 (ADAMS Accession No. ML15054A536), but not in the RFO 17 inspection report (ADAMS Accession No. ML15092A834). It appears that this indication has been reclassified as wear attributed to a loose part (similar to SG 4 R12C57). Please confirm.
3. Please confirm that there were 81 anti-vibration bar (AVB) wear indications in 52 tubes in SG 1 and 197 AVB wear indications in 115 tubes in SG 4.
4. The NRC staff identified several possible discrepancies for the reported numbers of possible loose part (PLP) indications in Table 1 of the inspection reports for RFO 15, RFO 16, and RFO 17. Please clarify the number of indications in the following tubes.

- a. For the tube at R49C86 in SG 1:
 - i. 2 indications are reported in RFO 15,
 - ii. 1 indication is reported in RFO 16, and
 - iii. 2 indications are reported in RFO 17.
- b. For the tube at R48C86 in SG 1:
 - i. 3 indications are reported for RFO 15,
 - ii. 2 indications are reported for RFO 16, and
 - iii. 3 indications are reported for RFO 17.
- c. For the tube at R32C49 in SG 2:
 - i. 2 indications are reported for RFO 16 and
 - ii. 1 indication is reported for RFO 17.

Please also confirm that there are currently no PLP indications in the tubes at R28C91 and R29C91, since there was an indication reported in each tube for RFO 15, but no indications reported for RFO 16 and RFO 17.

Sincerely,



Bob Martin, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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C. R. Pierce

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- a. For the tube at R49C86 in SG 1:
 - iii. 2 indications are reported in RFO 15,
 - iv. 1 indication is reported in RFO 16, and
 - v. 2 indications are reported in RFO 17.
- b. For the tube at R48C86 in SG 1:
 - vi. 3 indications are reported for RFO 15,
 - vii. 2 indications are reported for RFO 16, and
 - iii. 3 indications are reported for RFO 17.
- c. For the tube at R32C49 in SG 2:
 - viii. 2 indications are reported for RFO 16 and
 - ix. 1 indication is reported for RFO 17.

Please also confirm that there are currently no PLP indications in the tubes at R28C91 and R29C91, since there was an indication reported in each tube for RFO 15, but no indications reported for RFO 16 and RFO 17.

Sincerely,

/RA/

Bob Martin, Senior Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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* By memo dated.

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