

June 8, 2004

Mr. G. R. Peterson
Site Vice President
Catawba Nuclear Station
Duke Energy Corporation
4800 Concord Road
York, South Carolina 29745-9635

SUBJECT: CATAWBA NUCLEAR STATION, UNIT 2 RE: STEAM GENERATOR TUBE
INSPECTION REPORT FOR THE END OF CYCLE 12 REFUELING OUTAGE
(TAC NO. MC0957)

Dear Mr. Peterson:

By letters dated April 7, 2003, June 18, 2003, February 10, 2004 and April 7, 2004, Duke Energy Corporation, the licensee for Catawba Nuclear Station, Unit 2, submitted information summarizing the steam generator tube inspections performed during the 2003 End of Cycle 12 refueling outage.

Upon review of this information, the Nuclear Regulatory Commission (NRC) staff concluded that the licensee provided the information required by the Technical Specifications and that no additional follow-up was required. The NRC staff's evaluation is enclosed.

Sincerely,

/RA/

Sean E. Peters, Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-414

Enclosure: As stated

cc w/encl: See next page

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*No Significant Changes Made to Summary

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SUMMARY OF REVIEW BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO THE STEAM GENERATOR TUBE INSPECTION REPORT
FOR THE END OF CYCLE 12 REFUELING OUTAGE
DUKE ENERGY CORPORATION, ET AL.
CATAWBA NUCLEAR STATION, UNIT 2
DOCKET NO. 50-414

By letters dated April 7 and June 18, 2003, Duke Energy Corporation, the licensee for Catawba Nuclear Station (Catawba), Unit 2, submitted reports summarizing the steam generator (SG) tube inspections performed during the end of cycle 12 refueling outage. The licensee submitted these reports in accordance with Technical Specifications (TSs) 5.6.8.a and 5.6.8.b. The Nuclear Regulatory Commission (NRC) staff required additional information in order to complete the review and, therefore, sent requests for this information by letters dated January 5 and March 31, 2004. The licensee responded to these requests in letters dated February 10 and April 7, 2004. A summary of the NRC's evaluation of the EOC 12 refueling outage is provided below.

Catawba, Unit 2 has four Westinghouse Model D5 SGs, which were placed in service in 1986. The tubing is made from thermally treated Alloy 600. The SGs feature full-depth hydraulically expanded joints in the tubesheet and type 405 stainless steel support plates with quatrefoil holes. Each SG contains 4570 tubes.

In the submittals referenced above, the licensee provided the scope, extent, method, and results of the steam generator tube inspections. In addition, the licensee described corrective actions (i.e., tube plugging or repair) taken in response to the inspection findings. Based on a review of the information provided, the NRC staff concludes that the licensee provided the information required by the TSs. In addition, the NRC staff concludes that there are no technical issues that warrant follow-up action at this time since the inspections appear to be consistent with industry practice, and the results of the inspection appear to be consistent with industry operating experience at similarly designed and operated units.

Enclosure

Catawba Nuclear Station

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Catawba Nuclear Station

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