



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

February 17, 2006

Tennessee Valley Authority
ATTN: Mr. Karl W. Singer
Chief Nuclear Officer and
Executive Vice President
6A Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

SUBJECT: SEQUOYAH NUCLEAR PLANT, UNIT 1 - NOTIFICATION OF INSPECTION
AND REQUEST FOR INFORMATION

Dear Mr. Singer:

On April, 17, 2006, the NRC plans to begin the baseline inservice inspection (ISI) at the Sequoyah Nuclear Plant Unit 1 (NRC Inspection Procedure 71111.08).

Experience has shown that this inspection is resource intensive both for the NRC inspector and your staff. In order to minimize the impact to your on-site resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. These documents have been divided into two groups. The first group identifies information to be provided prior to the inspection to ensure that the inspector is adequately prepared. The second group identifies the information the inspector will need upon arrival at the site. It is important that all of these documents are up to date, and complete, in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Mr. James Proffitt of your licensing organization. If there are any questions about this inspection or the material requested, please contact the assigned inspector Tomy Nazario at (404) 562-4710 (txn1@nrc.gov).

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,
/RA/
Mark S. Lesser, Chief
Engineering Branch 3
Division of Reactor Safety

Docket No. 50-327
License No. DPR-77
Enclosure: See next page

Enclosure: Inservice Inspection Document Request

cc w/encl:

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ADAMS: Yes ACCESSION NUMBER: _____

OFFICE	RII:DRS	RII:DRS	RII:DRP				
SIGNATURE	/RA/	/RA/	/RA/				
NAME	TNazario;pmd	MLesser	MWidmann				
DATE	2/17/06	2/17/06	2/17/06				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

INSERVICE INSPECTION DOCUMENT REQUEST

Inspection Dates: April 17-21, 2006
Inspection Procedures: IP 7111108 "Inservice Inspection Activities"
Inspector: Tomy Nazario (404) 562-4710 (txn1@nrc.gov)

A. Information Requested for the In-Office Preparation Week

The following information should be sent to the Region II office in hard copy (or **electronic CD format-preferred**), in care of Mr. Nazario by April 7, 2006, to facilitate the selection of specific items that will be reviewed during the onsite inspection week. The inspector will select specific items from the information requested below and request a list of additional documents needed on-site to your staff. We request that the specific items selected from the lists be available and ready for review on the first day of inspection. All information requests relate to Unit 1 unless otherwise stated. If you have any questions regarding this information, please call the inspector as soon as possible.

A.1 Information related to ISI activities [other than Steam Generator (SG) primary side tube inspections]

- 1) A detailed schedule of: (including schedule showing contingency repair plans if available).
 - a) Nondestructive examinations (NDE) planned for Class 1 & 2 systems and containment, performed as part of your ASME Code ISI Program during the scheduled inspection weeks.
 - b) Steam Generator (SG) secondary side inspection/activities.
 - c) Examination performed as part of your Boric Acid Corrosion Control Program (Mode 3 walkdowns, bolted connection walkdowns, etc.)
 - d) Welding activities that are scheduled to be completed during the upcoming outage (ASME Class 1, 2, or 3 SSCs)
- 2) A copy of ASME Section XI, Code Relief Requests applicable to the examinations identified in A.1.1. Additionally, please provide documentation associated with ASME Code Cases that are being incorporated in work activities being performed this outage.
- 3) A list of NDE reports (ultrasonic, radiography, magnetic particle, dye penetrant, visual VT-1, VT-2, and VT-3) which have identified recordable indications on Code Class 1 & 2 systems since the beginning of the last refueling outage. Also, include in the list the NDE reports with recorded indications in the vessel head penetration nozzles which have been accepted for continued service.

Enclosure

- 4) A list with a brief description of the welds in Code Class 1 and 2 systems which have been fabricated due to component repair/replacement activities since the beginning of the last refueling outage, or are planned to be fabricated this refueling outage. Please identify the system, weld number and reference applicable documentation.
- 5) If reactor vessel weld examinations required by the ASME Code are scheduled to occur during the upcoming outage, provide a detailed description of the welds to be examined, and the extent of the planned examination.
- 6) Copy of any 10 CFR Part 21 reports applicable to your structures systems or components within the scope of Section XI of the ASME Code that have been identified since the beginning of the last refueling outage.
- 7) A list of any temporary non-code repairs in service (e.g. pin-hole leaks).
- 8) Copy of the procedures which govern the scope, equipment used and implementation of the inspections required to identify boric acid leakage from systems and the procedures for boric acid leakage/corrosion evaluation including a copy of the most recent self-assessment performed for the BACCP.
- 9) Provide a status summary of the NDE inspection activities vs the required inspection period percentages for this Interval by category per ASME Section XI, IWx-2400.
- 10) Provide past history of the condition and issues pertaining to the secondary side of the steam generators (including items such as loose parts, fouling, top of tube sheet condition, crud removal amounts, etc.).

A.2 Additional Information related to all ISI activities

- 1) A list with a brief description of ISI issues (e.g. condition reports) entered into your corrective action program since the beginning of the last refueling outage (for Units 1 and 2). For example, a list based upon data base searches using key words related to NDE activities such as: ISI, ASME Code, Section XI, NDE, cracks, wear, thinning, leakage, rust, corrosion, boric acid or errors in piping examinations.
- 2) Please provide names and phone numbers for the following program leads:
 - a) ISI contacts (Examination, planning)
 - b) Containment Exams
 - c) Snubbers and Supports
 - d) Repair and Replacement program manager
 - e) Licensing Contact
 - f) Site Welding Engineer

B. Information to be provided on-site to the inspector at the entrance meeting (April 17, 2006):

- 1) For welds selected by the inspector from A.1.4 above, provide copies of the following documents:
 - a) Document of the weld number and location (e.g., system, train, branch),
 - b) Document with a detail of the weld construction,
 - c) Applicable Code Edition and Addenda for weldment,
 - d) Applicable Code Edition and Addenda for welding procedures,
 - e) Applicable weld procedures (WPS) used to fabricate the welds,
 - f) Copies of procedure qualification records (PQRs) supporting the WPS on selected welds,
 - g) Copies of mechanical test reports identified in the PQRs above,
 - h) Copies of the nonconformance reports for the selected welds,
 - i) Radiographs of the selected welds and access to equipment to allow viewing radiographs, and
 - j) Copies of the preservice examination records for the selected welds.
- 2) For the ISI related corrective action issues selected by the inspector from A.2.1 above, provide a copy of the corrective actions and supporting documentation.
- 3) For the nondestructive examination reports with recordable indications on Code Class 1 & 2 systems selected by the inspector from A.1.3 above, provide a copy of the examination records and associated corrective action documents.
- 4) A copy of the NDE procedures used to perform the examinations identified in A.1.1 (including calibration and flaw characterization/sizing procedures). For ultrasonic examination procedures qualified in accordance with ASME Code, Section XI, Appendix VIII, provide documentation supporting the procedure qualification (e.g., the EPRI performance demonstration qualification summary sheets). Also, include documentation of the specific equipment to be used (e.g., ultrasonic unit, cables, and transducers including serial numbers). IF ANY OF THESE DOCUMENTS ARE NOT AVAILABLE IN ELECTRONIC FORMAT, THEN PROVIDE THEM THE FIRST DAY OF INSPECTION.
- 5) A copy of your most current revision of the ISI Program Manual and Plan for this Interval.
- 6) Copy of any documentation generated since the beginning of the last refueling outage related to:
 - a) boric acid deposits/corrosion of the reactor vessel head and pressurizer.
 - b) engineering evaluations/assessments of boric acid related deposits and associated wastage or corrosion for safety related components.
 - c) corrective actions for reactor coolant leakage including boric acid deposits on safety related components.

- 7) Provide a copy of the procedures that will be used to identify the source of any boric acid deposits identified on the pressurizer or vessel head. If no explicit procedures exist which govern this activity, provide a description of the process to be followed including personnel responsibilities and expectations.
- 8) Drawings/procedures or records that identify the systems and components which could be sources of boric acid leakage onto the upper vessel head.
- 9) Copy of procedure governing the performance of a leakage assessment into the interference zone of vessel head nozzles and acceptance criteria (reference NRC Order EA-03-009).
- 10) Copy of the guidance to be followed if a loose part or foreign material is identified in the SGs.
- 11) Ready access to: (i.e., copies provided to the inspector to use for the duration of the inspection at the on-site inspection location), applicable editions of the ASME Code (Sections V, IX and XI) applicable to the inservice inspection program and the repair/replacement program.

Inspector Contact Information:

Tomy A. Nazario
Reactor Inspector
(404) 562-4710
E-mail: txn1@nrc.gov

Mailing Address

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