



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

April 2, 2009

Mr. Preston D. Swafford  
Chief Nuclear Officer and Executive Vice President  
Tennessee Valley Authority  
3R Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

SUBJECT: WATTS BAR NUCLEAR PLANT – NOTIFICATION OF INSPECTION AND  
REQUEST FOR INFORMATION FOR NRC PROBLEM IDENTIFICATION AND  
RESOLUTION INSPECTION

Dear Mr. Swafford:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) Region II staff will conduct a problem identification and resolution (PI&R) inspection at your Watts Bar Nuclear Plant during the weeks of June 8 - 12 and June 22 – 26, 2009. The inspection team will be led by Daniel Merzke, a Senior Reactor Engineering Inspector from the NRC's Region II office. This inspection will be conducted in accordance with the baseline inspection procedure, Procedure 71152, Identification and Resolution of Problems Inspection, issued January 10, 2008.

The biennial PI&R inspection and assessment of the licensee's Corrective Action Program (CAP) complements and expands upon the resident baseline inspections of routine daily screening of all corrective action program issues, quarterly focused issue reviews, and semiannual trend PI&R reviews.

During a telephone conversation on March 31, 2009, Mr. Merzke confirmed with Ms. Michelle Pope of your staff, arrangements for an information gathering site visit and the two-week onsite inspection. The schedule is as follows:

- Information gathering visit: May 4 – 5, 2009
- Onsite weeks: June 8 – 12 and June 22 – 26, 2009

The purpose of the information gathering visit is to meet with members of your staff to define the scope of the inspection. Information and documentation needed to support the inspection will also be identified and reviewed.

The enclosure lists documents that will be needed prior to the information gathering visit. Please have the referenced information available prior to May 4, 2009. Contact Mr. Merzke with any questions concerning the requested information. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for inspection preparation.

Additional documents will be requested during the information gathering visit. The additional information will need to be made available to the team in the Region II office prior to the inspection team's preparation week of June 1, 2009. Mr. Merzke will also discuss the following inspection support administrative details: availability of knowledgeable plant engineering and licensing personnel to serve as points of contact during the inspection; method of tracking inspector requests during the inspection; access to licensee computers; working space; arrangements for site access; and other applicable information.

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 document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Daniel Merzke at (404) 562-4421 or me at (404) 562-4560.

Sincerely,

*/RA/*

Steven J. Vias, Chief  
Reactor Projects Branch 7  
Division of Reactor Projects

Docket Nos.: 50-390  
License Nos.: NPF-90

Enclosure: INFORMATION REQUEST FOR WATTS BAR NUCLEAR PLANT PROBLEM  
IDENTIFICATION AND RESOLUTION INSPECTION

cc w/encl: (See page 3)

Additional documents will be requested during the information gathering visit. The additional information will need to be made available to the team in the Region II office prior to the inspection team's preparation week of June 1, 2009. Mr. Merzke will also discuss the following inspection support administrative details: availability of knowledgeable plant engineering and licensing personnel to serve as points of contact during the inspection; method of tracking inspector requests during the inspection; access to licensee computers; working space; arrangements for site access; and other applicable information.

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 document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Daniel Merzke at (404) 562-4421 or me at (404) 562-4560.

Sincerely,

*/RA/*

Steven J. Vias, Chief  
 Reactor Projects Branch 7  
 Division of Reactor Projects

Docket Nos.: 50-390  
 License Nos.: NPF-90

Enclosure: INFORMATION REQUEST FOR WATTS BAR NUCLEAR PLANT PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION

cc w/encl: (See page 3)

PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE       NON-SENSITIVE  
 ADAMS: X Yes      ACCESSION NUMBER: \_\_\_\_\_      X SUNSI REVIEW COMPLETE (D. Merzke)

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	DXM2	SJV					
NAME	DMerzke	SVias					
DATE	04/01/2009	04/02/2009		4/ /2009			
E-MAIL COPY?	YES NO	YES NO	YES NO	YES N	YES NO	YES NO	YES NO

cc w/encl:  
Gordon P. Arent  
New Generation Licensing Manager  
Tennessee Valley Authority  
Electronic Mail Distribution

Masoud Bajestani  
Vice President Watts Bar Unit 2  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
Electronic Mail Distribution

Ashok S. Bhatnagar  
Senior Vice President  
Nuclear Generation Development and  
Construction  
Tennessee Valley Authority  
Electronic Mail Distribution

Michael K. Brandon  
Manager  
Licensing and Industry Affairs  
Tennessee Valley Authority  
Electronic Mail Distribution

Preston D. Swafford  
Chief Nuclear Officer and Executive Vice  
President  
Tennessee Valley Authority  
Electronic Mail Distribution

William R. Campbell  
Senior Vice President  
Fleet Engineering  
Tennessee Valley Authority  
Electronic Mail Distribution

Thomas Coutu  
Vice President  
Nuclear Support  
Tennessee Valley Authority  
Electronic Mail Distribution

General Counsel  
Tennessee Valley Authority  
Electronic Mail Distribution

Ludwig E. Thibault  
General Manager  
Nuclear Oversight & Assistance  
Tennessee Valley Authority  
3R Lookout Place  
1101 Market Steet  
Chattanooga, TN 37402-2801

Gregory A. Boerschig  
Plant Manager  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
Electronic Mail Distribution

Larry E. Nicholson  
General Manager  
Performance Improvement  
Tennessee Valley Authority  
Electronic Mail Distribution

Michael A. Purcell  
Senior Licensing Manager  
Nuclear Power Group  
Tennessee Valley Authority  
Electronic Mail Distribution

Michael J. Lorek  
Vice President  
Nuclear Engineering & Projects  
Tennessee Valley Authority  
Electronic Mail Distribution

Michael D. Skaggs  
Site Vice President  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
Electronic Mail Distribution

Fredrick C. Mashburn  
Acting Manager  
Corporate Nuclear Licensing and Industry  
Affairs  
Tennessee Valley Authority  
Electronic Mail Distribution

cc w/encl (continued page 4)

TVA

4

cc w/encl (continued)  
Senior Resident Inspector  
Watts Bar Nuclear Plant  
U.S. Nuclear Regulatory Commission  
1260 Nuclear Plant Road  
Spring City, TN 37381-2000

County Executive  
375 Church Street  
Suite 215  
Dayton, TN 37321

County Mayor  
P.O. Box 156  
Decatur, TN 37322

Lawrence Edward Nanney  
Director  
Division of Radiological Health  
TN Dept. of Environment & Conservation  
Electronic Mail Distribution

James H. Bassham  
Director  
Tennessee Emergency Management Agency  
Electronic Mail Distribution

Ann Harris  
341 Swing Loop  
Rockwood, TN 37854

TVA

5

Letter to Preston D. Swafford from Steven J. Vias dated April 2, 2009

SUBJECT: WATTS BAR NUCLEAR PLANT – NOTIFICATION OF INSPECTION AND  
REQUEST FOR INFORMATION FOR NRC PROBLEM IDENTIFICATION AND  
RESOLUTION INSPECTION

Distribution w/encl:

C. Evans, RII EICS

L. Slack, RII EICS

OE Mail

RIDSNNRRDIRS

PUBLIC

RidsNrrPMWattsBar1 Resource

RidsNrrPMWattsBar2 Resource

**INFORMATION REQUEST FOR WATTS BAR NUCLEAR PLANT PROBLEM  
IDENTIFICATION AND RESOLUTION INSPECTION (JUNE 8-12 AND JUNE 22-26, 2009)**

**A. Documents Needed Prior to the Information Gathering Visit**

Note: Unless otherwise noted, the information requested below corresponds to documents generated since September 15, 2007. Please provide the requested documents in electronic format. If the information is not available in electronic format, please contact the inspection team leader to coordinate how the information will be provided.

1. Copies of the corporate and site level procedures and sub-tier procedures associated with the corrective action program. This should include procedures related to: a) corrective action process, b) cause evaluation, c) operating experience program, d) employee concerns program, e) self-assessment program, f) maintenance rule program and implementing procedures, g) operability determination process, h) degraded/non-conforming condition process (e.g., RIS 2005-20), i) system health process, or equivalent equipment reliability improvement programs, and j) preventive maintenance deferral and problem evaluation report (PER) extension process. If any of the procedures requested above were revised after September 15, 2007, please provide copies of all revisions.
2. List of top ten risk significant systems, components, and operator manual actions.
3. List of all PERs initiated, sorted by priority and system, with the following information: a) PER #, b) system, c) priority, and d) PER title and short description.
4. List of all PERs initiated, sorted by the following responsible plant departments. In each department grouping, please provide the PERs sorted by priority, with the following information: a) PER #, b) priority, and c) PER title and short description.
  - a) Emergency Preparedness;
  - b) Health Physics;
  - c) Chemistry; and,
  - d) Security.
5. List of outstanding corrective actions with a brief description, priority level, initiation date, and due date.
6. List of control room deficiencies with a brief description and corresponding PER and/or work order (WO) number.
7. List of all currently extended PERs or overdue, sorted by initiation date, with the following information: a) PER #, b) priority, and c) PER title and short description.
8. List of all PERs that have been voided or cancelled. Please sort by PER #, with title or description of problem, and reason voided or cancelled.
9. List of all structures, systems, and components (SSC) which were classified as (a)(1) in accordance with the Maintenance Rule since September 15, 2007. Please include

Enclosure

applicable procedures for classifying systems or components as (a)(1), date and reason for being placed in (a)(1), and actions completed and current status. Also, provide copy of any self-assessment of the Maintenance Rule program conducted.

10. List of Maintenance Preventable Functional Failures (MPFF) of risk significant systems. Please include actions completed and current status.
11. List of corrective maintenance work orders, sorted by system and component, to include: WO number, title or description, date of initiation, and date of completion (if completed).
12. Corrective action closeout packages, including PERs with description of corrective actions, for all NRC findings and Licensee identified violations.
13. Corrective action closeout packages, including PERs with description of corrective actions, for all licensee event report (LERs) issued.
14. List of all NRC generic communications (e.g., Information Notices, Generic Letters, etc.) and industry operating experience (OE) documents (e.g., Part 21 reports, vendor information letters, information from other sites, etc.,) evaluated by the site for applicability to the station, regardless of the determination of applicability. Please include the reference number (e.g. PER #) for the documents that evaluated the aforementioned OE information.
15. Copies of all quality assurance audits and/or assessments issued, including the last two audits/assessments of the corrective action program. Also, any self-assessment of the site safety culture conducted should be provided.
16. Copies of all department self-assessments.
17. Copy of the most recent integrated plant trend report, departmental trend report(s), and corrective action trend report, including any human performance and equipment reliability trends.
18. Copy of the latest Corrective Action Program statistics (if exists) such as the number of PERs initiated by department, human performance errors by department, and others as may be available.
19. Copies of any minutes of meetings by the offsite safety review boards/groups. In addition, please provide a list of routine meetings involving the CAP to be held while team is onsite.
20. List of PERs related to equipment aging issues in the top ten risk significant systems since May 1, 2004 (e.g., system erosion and/or corrosion problems; electronic component aging or obsolescence of circuit boards, power supplies, relays, etc.; environmental qualification). Please sort by PER # with the following information: a) PER #, b) priority, and c) PER title and short description.
21. If performed, provide the results from the latest safety culture survey.

Enclosure



22. Copies of corrective action program documents related to cross-cutting issues (human performance, problem identification and resolution, and safety conscious work environment) identified via trending, self-assessments, safety review committee or other oversight methods.
23. List of all root cause evaluations with a brief description.
24. Copy of Probabilistic Risk Assessment importance measures report.

**B. Documents Needed during or after the Information Gathering Visit, but prior to the Inspection Preparation Week (June 1-5, 2009)**

1. For the risk significant systems selected by the team leader during the information gathering visit, please provide copies of the latest System Health Reports, system design basis documents, system description information, and P&IDs.

**C. Documents Needed During the Inspection**

1. List of corrective action documents that have resulted from the Employee Concerns Program (ECP). (Note: This should be provided by the ECP Coordinator)