



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

May 4, 2016

Mr. J. W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
1101 Market Street, LP 3D-C
Chattanooga, TN 37402-2801

SUBJECT: WATTS BAR NUCLEAR PLANT – EMERGENCY PREPAREDNESS INSPECTION
AND REQUEST FOR INFORMATION

Dear Mr. Shea:

From November 14–18, 2016, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Emergency Preparedness program inspection at the Watts Bar Nuclear Plant. The inspection will evaluate activities in the Emergency Preparedness cornerstone using NRC Inspection Procedures (IPs) 71114.02, Alert and Notification System Evaluation; 71114.03, Emergency Response Organization Staffing and Augmentation System; 71114.04, Emergency Action Level and Emergency Plan Changes; 71114.05, Maintenance of Emergency Preparedness; and Emergency Preparedness sections of 71151 Performance Indicator Verification.

Experience has shown that this inspection is resource-intensive for both the NRC inspectors and your staff. To minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for documents needed for this inspection. It is important that all of these documents are up-to-date, and complete, 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. Tom Detchemendy (423-365-3232) of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, Steven Sanchez at 404-997-4418 (steven.sanchez@nrc.gov), or the Chief, Plant Support Branch 1, Brian Bonser at 404-997-4653.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public inspections, exemptions, requests for withholding," of the NRC's "Agency Rules of Practice and Procedure," 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 Documents Access and Management System (ADAMS); accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Brian R. Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket Nos. 50-390 and 50-391
License Nos. NPF-90 and NPF-96

Enclosure:
Document Request List

cc: Distribution via Listserv

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Brian R. Bonser, Chief
Plant Support Branch 1
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| | | | | | | | |
|--------------|----------|---------------|----------|----------|----------|----------|----------|
| OFFICE | RII:DRS | RII:DRS | RII:DRS | | | | |
| SIGNATURE | JDH9 | SPS VIA EMAIL | BRB1 | | | | |
| NAME | HICKMAN | SANCHEZ | BONSER | | | | |
| DATE | 5/3/2016 | 5/3/2016 | 5/4/2016 | 5/ /2016 | 5/ /2016 | 5/ /2016 | 5/ /2016 |
| E-MAIL COPY? | YES NO | YES NO | YES NO | YES NO | YES NO | YES NO | YES NO |

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRS\IPSB1\RFI INFORMATION REQUEST LETTERS\WATTS
BAR\2016\WATTS BAR EP RFI 2016.DOCX

Document Request List

Inspection Dates: November 14–18, 2016

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|------------------------------|----------|--|
| Inspection Procedures (IPs): | 71114.02 | Alert and Notification System Evaluation |
| | 71114.03 | Emergency Response Organization Staffing and Augmentation System |
| | 71114.04 | Emergency Action Level and Emergency Plan Changes |
| | 71114.05 | Maintenance of Emergency Preparedness |
| | 71151 | Performance Indicator Verification |

Note: This is a list of the documents to be provided to the inspectors. The current version of these documents is expected unless specified otherwise. About 2 weeks prior to the inspection, provide, as a minimum, an electronic version of the Emergency Plan (E-Plan). The preferred file format is Word or searchable “.pdf” files on CDROM. *[Note that the inspectors cannot accept data provided on USB or “flash” drives due to NRC IT security policies.]* Please organize the information as it is arranged below (e.g., a folder labeled “Miscellaneous”). It is not the intent that large or burdensome data be scanned for this purpose (e.g., Performance Indicator documents). This data will be inspected using original documentation. Material can be provided prior to the inspection to the NRC Region II Office (ATTN: Steven Sanchez, 245 Peachtree Center Avenue, NE, Suite 1200, Atlanta, GA 30303-1257. If there are questions regarding the documents requested, please do not hesitate to contact the lead inspector.

71114.02 Alert and Notification System Evaluation

- ☐ Federal Emergency Management Agency (FEMA) approved Alert and Notification System (ANS) report and any currently associated correspondence
- ☐ ANS testing procedure
- ☐ ANS equipment technical manual
- ☐ ANS equipment testing results (raw data) for the 2-year inspection period
- ☐ ANS equipment maintenance records for the 2-year inspection period
- ☐ Changes to the ANS system, implementing procedures, testing procedures, and the maintenance program including any supporting FEMA approval letters for the past 2 years
- ☐ Information provided to the public inside the 10-mile plume exposure pathway
- ☐ Corrective action program (CAP) entries related to the ANS for the 2-year inspection period

71114.03 Emergency Response Organization Staffing and Augmentation System

- ☐ Current Emergency Response Organization (ERO) roster
- ☐ ERO Duty Roster in-effect during the week of the inspection (can be provided upon arrival)
- ☐ ERO and augmentation implementing procedures and changes made over the past 2 years
- ☐ NUREG 0654 Table B1 site equivalent
- ☐ ERO training program procedure
- ☐ Emergency Preparedness (EP) staff training program and qualification records
- ☐ ERO augmentation testing results for the 2-year inspection period
- ☐ CAP entries related to ERO staffing and augmentation for the 2-year inspection period

71114.04 Emergency Action Level and Emergency Plan Changes

- ☐ Governing document for 10 CFR 50.54(q) evaluation process
- ☐ 10 CFR 50.54(q) evaluator training program and qualification records
- ☐ 10 CFR 50.54(q) evaluation/screening of changed Emergency Action Level (EAL), E-Plan, and EP implementing procedures

Enclosure

- ❑ Current and immediately previous revisions of EAL, E-Plan, and EP procedures (electronic version of current E-Plan requested about 2 weeks before inspection)
- ❑ CAP entries related to EAL and E-Plan changes for the 2-year inspection period

71114.05 Maintenance of Emergency Preparedness

- ❑ Governing documents for the assessment process
- ❑ All EP program assessments, not including INPO performed assessments, for the 2-year inspection period
- ❑ 10 CFR 50.54(t) audits, audit checklists, and subsequent State/local correspondence for the 2-year inspection period
- ❑ Drill and exercise critiques for the 2-year inspection period
- ❑ Critiques of actual events resulting in implementation of the E-Plan over the past 2 years
- ❑ Governing documents for 10 CFR 50.54(q) evaluation process
- ❑ Emergency Response Facility (ERF) activation procedures, including backup and alternate facilities
- ❑ Completed maintenance records and availability-tracking information for equipment important to EP (e.g., Heating and Ventilation system in ERFs and Radiation Monitors called out in EALs, etc.) for the 2-year inspection period
- ❑ Last Evacuation Time Estimates Analysis and annual review documentation
- ❑ CAP governing procedures
- ❑ CAP entries relating to EP (abbreviated format, i.e., identifier and brief description only) for the 2-year inspection period with the risk-significant related entries separated

71151 Performance Indicator Verification

- ❑ Governing document for the performance indicator (PI) process
- ❑ Drill and Exercise Performance (DEP), ERO, and ANS PI data submitted since the last NRC EP inspection (hard copies can be provided upon arrival)
- ❑ DEP documentation and evaluations for the 2-year inspection period
- ❑ CAP entries related to PIs, that is DEP, ERO training and participation, and ANS for the 2-year inspection period

Miscellaneous Procedures and Records

- ❑ Safety Evaluation Report approved E-Plan and EALs
- ❑ Corporate and Departmental processes or procedures for EP staff
- ❑ Matrix of Drill Types performed and accounted for during the 8-year cycle

Lead Inspector Contact Information:

Steven Sanchez

404-997-4418

Steven.Sanchez@nrc.gov

LIST OF ACRONYMS

| | | | |
|--------|--------------------------------|------|-------------------------------------|
| ANS | Alert and Notification System | ERO | Emergency Response Organization |
| CAP | Corrective Action Program | FEMA | Federal Emergency Management Agency |
| DEP | Drill and Exercise Performance | IPs | Inspection Procedures |
| EAL | Emergency Action Level | PIs | Performance Indicators |
| EP | Emergency Preparedness | | |
| E-Plan | Emergency Plan | | |
| ERF | Emergency Response Facility | | |