



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

July 6, 2016

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

**SUBJECT: WATTS BAR NUCLEAR STATION - NOTIFICATION OF INSPECTION AND  
REQUEST FOR DOCUMENTS**

Dear Mr. Shea:

During the week of August 1, 2016 – August 5, 2016, the Nuclear Regulatory Commission (NRC) will perform a baseline Radiation Safety Inspection at the Watts Bar Nuclear Station (NRC Inspection Procedures 71124.01, 71124.06, 71124.07, 71124.08, and parts of 71151). 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 activity. The NRC requests that these documents be provided to the inspectors no later than July 25, 2016.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Gordon Arent. If there are any questions about this inspection, or the material requested, please contact the lead inspector, Adam Nielsen, at (404) 997-4660, or the Plant Support Branch 1 Chief, Brian Bonser, at (404) 997-4653.

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 component of NRC's Agency Wide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/reading-rm/adams.html>.

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget under control numbers 3150-0008, 3150-0011, 3150-0014, 3150-0044, and 3150-0135. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information

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Sincerely,

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

Docket Nos.: 50-390, 50-391  
License Nos.: NPF-90, CPPR-92

Enclosure: Document Request List

cc: Distribution via ListServ

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Sincerely,

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

Docket Nos.: 50-390, 50-391  
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PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE       NON-SENSITIVE  
ADAMS:  Yes      ACCESSION NUMBER: \_\_\_\_\_       SUNSI REVIEW COMPLETE       FORM 665 ATTACHED

OFFICE	RII:DRS	RII:DRS					
SIGNATURE	<b>ADN</b>	<b>BRB1</b>					
NAME	ANIELSEN	BBONSER					
DATE	7/6/2016	7/6/2016	7/ /2016	7/ /2016	7/ /2016	7/ /2016	7/ /2016
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY      DOCUMENT NAME:      G:\DRSI\PSB1\INSPECTION REPORTS (EP)\2016\WB\_16-03\_DOC\_REQUEST.DOCX

## Document Request List

Inspection Dates: August 1, 2016 – August 5, 2016

Documents Due to Region II by: July 25, 2016

Inspection Procedures:

IP 71124.01	Radiological Hazard Assessment and Exposure Controls
IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment
IP 71124.07	Radiological Environmental Monitoring Program (REMP)
IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation
IP 71151	Performance Indicator Verification (Public and Occupational Radiation Safety Cornerstones)

Lead Inspector: Adam Nielsen  
Sr. Health Physicist  
US NRC Region II  
(404) 997-4660  
Adam.Nielsen@nrc.gov

**Note:** The current version of these documents is expected unless specified otherwise. Electronic media is preferred if readily available. *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 to the extent possible. Experience has shown that a poorly organized submittal leads to a less efficient inspection and places additional burden on licensee staff. Pay particular attention to the date ranges for the items requested as they may change from item to item. If there are questions regarding the documents requested, or if the documents cannot be provided by the due date, please do not hesitate to contact the lead inspector.

### Miscellaneous

1. List of primary contacts for each inspection area w/phone numbers
2. Corrective action program procedure(s)

### 71124.01 - Radiological Hazard Assessment and Exposure Controls

1. Procedures related to RP controls (e.g. Posting, labeling, surveys, RWPs, contamination control, HRA/LHRA/VHRA control, key control, control of divers, special controls during fuel offload, hot spots, etc.)
2. Procedures related to release of personnel and materials (e.g. release surveys, decontamination, guidance for alarm followup, etc.)
3. List of Nationally Tracked Sources and any change-of-ownership transactions
4. Most recent sealed source inventory record
5. List of all non-fuel items stored in spent fuel pool
6. Most recent self-assessment or audit covering RP controls

Enclosure

7. List of condition reports related to RP controls (e.g. radworker error, RP technician error, posting issues, HRA/LHRA/VHRA issues, survey problems, etc.) issued since October 22, 2015. *This should be a searchable list of corrective action documents containing a number and brief description, not full condition reports.*

#### 71124.06 - Radioactive Gaseous and Liquid Effluent Treatment

1. Offsite Dose Calculation Manual (ODCM) and a list of changes made in the last revision
2. List of permitted effluent release points, including any release points from onsite surface water bodies (as applicable)
3. Procedures for collection, analysis, release, and dose evaluations for gaseous and liquid effluents
4. List of liquid and gaseous effluent monitors listed as out-of-service (OOS) for > 1 day since August 8, 2014, including any special reports submitted to the NRC as a result of effluent monitor operability
5. The last two calibration records for the following effluent monitors:
  - Unit 1 Shield Building Exhaust, Low and High Range, 1-RE-90-400/402 (last two records for each channel)
  - Auxiliary Building Vent, 0-RE-90-101
  - Waste Disposal System Liquid Effluent, 0-RE-90-122
6. The last two calibrations of the Unit 1 Shield Building Vent flow monitoring instrumentation (might be part of a rad monitor calibration package)
7. The last two Inter-laboratory comparison program results (for onsite count lab)
8. The last two surveillances (as applicable) performed on the Unit 2 Shield Building Exhaust HEPA/charcoal trains (in-place filter tests and charcoal tests).
9. The last two gaseous effluent release permits and the last two liquid effluent release permits
10. Most recent audit, self-assessment, and/or review of the radioactive effluent monitoring program
11. List of CRs generated since August 8, 2014, as a result of gaseous and liquid effluent processing and/or ODCM related activities. *This should be a list of corrective action documents containing a CR number and brief description, not full CRs*

#### 71124.07 - Radiological Environmental Monitoring Program (REMP)

1. Collection schedule for REMP samples during the week of inspection
2. Procedures for:
  - collection and analysis of environmental samples
  - calibration and maintenance of REMP air and/or water samplers
  - calibration of meteorological monitoring instruments (wind speed & direction, air temperature, etc.)
  - periodic meteorological instrumentation surveillance requirements
3. The last two calibration records for REMP air and water sampling equipment (as applicable)
4. The last two calibration records for each meteorological monitoring instrument on the primary tower (wind speed, wind direction, and air temperature)
5. List of changes to the REMP (sample locations, sample frequency, type of samples, etc.) since August 8, 2014
6. The last two inter-laboratory comparison program results (environmental lab)
7. List of systems, structures, or components (SSCs), identified as credible mechanisms for the potential release of licensed material to the groundwater
8. List of any non-radioactive systems that have become contaminated since August 8, 2014
9. Response to NRC IE Bulletin 80-10

10. Copies of any reports to the NRC (via 10CFR50.72 or other reporting requirements) regarding abnormal onsite spills/leaks of radioactive material since August 8, 2014.
11. List of 10 CFR 50.75(g) entries made since August 8, 2014
12. Recent results of the groundwater monitoring program (last two quarters)
13. Most recent audit, self-assessment, and/or review of REMP activities
14. Most recent audit of lab used to process REMP samples
15. List of CRs generated as a result of REMP activities since August 8, 2014. Include all CRs related to voluntary reporting of onsite spills/leaks of radioactive material. *This should be a list of corrective action documents containing an CR number and brief description, not full CRs*

71124.08 - Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation

1. All procedures related to transportation of radioactive material/waste, radwaste characterization, solid radwaste processing, and storage of RAM and radwaste
2. Process Control Program
3. Liquid and solid radwaste system diagrams and detailed system descriptions (e.g. information that might be contained in curricula for training new system engineers)
4. List of all shipments made since April 18, 2014 (shipping logs)
5. List of all changes made to solid and liquid radwaste processing systems since April 18, 2014
6. Last two 10 CFR Part 61 analyses for each waste stream, including QA data (e.g. in-house vs. vendor lab comparisons, current results vs. database, etc.)
7. Most recent self-assessment or audit of Shipping/radwaste processing and RAM storage programs
8. List of condition reports related to shipping, radwaste processing, or RAM storage since April 18, 2014. *This should be a searchable list of corrective action documents containing a number and brief description, not full condition reports.*

71151 – Performance Indicator Verification

1. Procedure for gathering and reporting PI data
2. Monthly evaluations of effluent dose to the public for 2016
3. LIST of all condition reports related to LHRA/VHRA issues or significant (>100 mrem) unintended doses since October 22, 2015. *This should be a searchable list of corrective action documents containing a number and brief description, not full condition reports.*
4. LIST of electronic dosimeter alarms since October 22, 2015 (dose and dose rate)