



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

January 12, 2016

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

SUBJECT: BROWNS FERRY NUCLEAR PLANT - NOTIFICATION OF INSPECTION AND  
REQUEST FOR DOCUMENTS

Dear Mr. Shea:

During the week of February 29, 2016 – March 4, 2016, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Radiation Safety Inspection at the Browns Ferry Nuclear Plant (Inspection Procedures 71124.01, 71124.08, 71151, and Temporary Instruction 2800/041). In order to minimize the impact to your onsite 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 February 19, 2016.

We have discussed the schedule for these inspection activities with your staff, and understand that our regulatory contact for this inspection will be Jamie Paul. 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 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 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>.

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 collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number.

Sincerely,

***/RA by Robert Kellner Acting for/***

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

Docket Nos. 50-259, 50-260, and 50-296  
License Nos. DPR-33, DPR-52, and DPR-68

Enclosure:  
Document Request List

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Enclosure:  
Document Request List

PUBLICLY AVAILABLE     NON-PUBLICLY AVAILABLE     SENSITIVE     NON-SENSITIVE

ADAMS:  Yes    ACCESSION NUMBER: ML16012A136     SUNSI REVIEW COMPLETE     FORM 665 ATTACHED

OFFICE	RII:DRS/PSB1	RII:DRS/PSB1					
SIGNATURE	ADN	RXK3 for BRB1					
NAME	A. Nielsen	B. Bonser					
DATE	1/ 11 /2016	1/ 12 /2016					
E-MAIL COPY	<b>YES</b> NO	<b>YES</b> NO					

OFFICIAL RECORD COPY

## Document Request List

Inspection Dates: February 29, 2016 – March 4, 2016

Documents Due to Region II by: February 19, 2016

Inspection Procedures (IPs):

IP 71124.01	Radiological Hazard Assessment and Exposure Controls
IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation
IP 71151	Performance Indicator Verification (Occupational Radiation Safety Cornerstone Only)
TI 2800/041	10 CFR 37 Materials Security Review – At Facilities with a 10 CFR 73 Physical Protection Program (HP Portion Only)

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 CD 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. List of outage Radiation Work Permits (RWPs)
2. Timeline of major outage activities (e.g., Gantt chart or similar list)
3. Procedures related to HP controls (e.g. Posting, labeling, surveys, RWPs, contamination control, high radiation area (HRA)/locked high radiation area (LHRA)/very high radiation area(VHRA) control, key control, control of divers, special controls during fuel offload, hot spots, etc.)
4. Procedures related to release of personnel and materials (e.g., release surveys, decontamination, guidance for alarm followup)
5. List of Nationally Tracked Sources and any change-of-ownership transactions
6. Most recent sealed source inventory record
7. List of all non-fuel items stored in spent fuel pool
8. Most recent self-assessment or audit covering health physics (HP) controls

Enclosure

9. List of condition reports (CRs) related to HP controls (e.g., radworker error, HP technician error, posting issues, HRA/LHRA/VHRA issues, survey problems) issued since April 9, 2015. *[This should be a searchable list of corrective action documents containing a 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 (RAM)/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 March 1, 2014 (shipping logs)
5. List of all changes made to solid and liquid radwaste processing systems since March 1, 2014
6. List of all abandoned solid and liquid radwaste processing equipment
7. Last two 10 CFR Part 61 analyses for each waste stream, including quality assurance data (e.g., in-house vs. vendor lab comparisons, current results vs. database)
8. Most recent self-assessment or audit of Shipping/radwaste processing and RAM storage programs
9. List of CRs related to shipping, radwaste processing, or RAM storage since March 1, 2014. *[This should be a searchable list of corrective action documents containing a number and brief description, not full CRs.]*

71151 – Performance Indicator Verification (Occupational Cornerstone)

1. Procedure for gathering and reporting Performance Indicator data
2. LIST of all CRs related to LHRA/VHRA issues or significant (>100 mrem) unintended doses since April 9, 2015. *[This should be a searchable list of corrective action documents containing a number and brief description, not full CRs.]*
3. LIST of electronic dosimeter alarms since April 9, 2015 (dose and dose rate)

TI 2800/041 – 10 CFR Part 37 (HP portions only)

1. All procedures related to Part 37 compliance (storage of RAM, Part 37 Security Plan, etc.)\*
2. List of all known locations of Category 1 and Category 2 material
3. All supporting calculations for determination of whether an aggregation of RAM meets the definition of Category 1 or Category 2 (e.g., warehouse calculation)

*\*Please do not include Official Use Only information in the submittal. That information can be reviewed onsite, or it can be sent via email in a password-protected format.*

**LIST OF ACRONYMS**

CRs	Condition Reports
HP	Health Physics
HRA	High Radiation Area
IPs	Inspection Procedures
LHRA	Locked High Radiation Area
RAM	Radioactive Material
RWPs	Radiation Work Permits
VHRA	Very High Radiation Area