



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

May 5, 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 June 13, 2016 – June 17, 2016, the Nuclear Regulatory Commission (NRC) will perform a baseline Radiation Safety Inspection at the Browns Ferry Nuclear Plant (NRC Inspection Procedures 71124.06, 71124.07, and 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 June 2, 2016.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Baruch Calkin. 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

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Sincerely,

/RA/

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

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

Enclosure:
Document Request List

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Document Request List

Inspection Dates: June 13, 2016 – June 17, 2016

Documents Due to Region II by: June 2, 2016

Inspection Procedures:	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment
	IP 71124.07	Radiological Environmental Monitoring Program (REMP)
	IP 71151	Performance Indicator Verification (Public Radiation Safety Cornerstone 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)
3. Procedure for gathering and reporting NRC Performance Indicator (PI) data

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 changes made to radioactive effluent processing/discharge systems since June 1, 2014
5. List of liquid and gaseous effluent monitors listed as out-of-service (OOS) for > 1 day since June 1, 2014, including any special reports submitted to the NRC as a result of effluent monitor operability
6. The last two calibration records for the following effluent monitors:
 - o Main Stack Wide-range noble gas monitor
 - o Unit 1 Plant Vent Exhaust Radiation Monitor (subsystem that covers normal Turbine Building vent/Reactor zone/Refueling zone)
 - o Unit 1 Raw Cooling Water discharge liquid monitor

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7. The last two calibrations of the Main Stack flow monitoring instrumentation (might be part of rad monitor calibration package)
8. The last two Inter-laboratory comparison program results (for onsite count lab)
9. The last two surveillances (in-place filter tests and charcoal tests) performed on the Standby Gas Treatment System (all 3 trains)
10. The last two gaseous effluent release permits and the last two liquid effluent release permits
11. Most recent audit, self-assessment, and/or review of the radioactive effluent monitoring program
12. List of CRs generated since June 1, 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 and contact numbers for collection staff.
2. Procedures for:
 - a) collection and analysis of environmental samples
 - b) calibration and maintenance of REMP air and/or water samplers
 - c) calibration of meteorological monitoring instruments (wind speed & direction, air temperature, etc.)
 - d) 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 June 1, 2014
6. Most recent 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 June 1, 2014
9. Copies of any reports to the NRC (via 10CFR50.72 or other reporting requirements) regarding abnormal onsite spills/leaks of radioactive material since June 1, 2014.
10. List of 10 CFR 50.75(g) entries made since June 1, 2014
11. Recent results of the groundwater monitoring program (last two quarters)
12. Most recent audit, self-assessment, and/or review of REMP activities
13. Most recent audit of lab used to process REMP samples
14. List of CRs generated as a result of REMP activities since June 1, 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*