



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

April 1, 2014

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

**SUBJECT: BROWNS FERRY NUCLEAR PLANT – NOTIFICATION OF INSPECTION AND
REQUEST FOR INFORMATION**

Dear Mr. Shea:

From June 16 – 20, 2014, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Occupational and Public Radiation Safety inspection at the Browns Ferry Nuclear Plant (NRC Inspection Procedure (IP) 71124.06, Radioactive Gaseous and Liquid Effluent Treatment and IP 71124.07, Radiological Environmental Monitoring Program). 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 inspection. It is important that all of these documents are up-to-date and complete, in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection. The NRC requests that these documents be provided to the inspectors no later than May 30, 2014.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Steve Austin at 256-729-2070. Our inspection dates are subject to change based on your updated schedule of outage activities. If there are any questions about this inspection or the material requested, please contact the lead inspector Ruben Hamilton at 404-997-4672 (ruben.hamilton@nrc.gov), 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 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 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).

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 number

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Sincerely,

/RA/

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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DATE	3/ 31 /2014	3/ 31 /2014					
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DOCUMENT REQUEST LIST

Licensee: Browns Ferry Nuclear Plant

Inspection Dates: June 16 – 20, 2014

Documents Due to Region by: May 30, 2014

Inspection Procedures: 71124.06 Radioactive Gaseous and Liquid Effluent Treatment

71124.07 Radiological Environmental Monitoring Program

Lead Inspector: Ruben Hamilton
Senior Health Physicist
US NRC Region II
404-997-4672
ruben.hamilton@nrc.gov

Note: Unless specified otherwise, the current version of these documents is expected. Electronic media is preferred if readily available. The preferred file format is MSWord, 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.]* To the extent possible, please organize the information in the order shown below. Experience has shown that a poorly organized CD leads to a less efficient inspection, and places additional burden on licensee staff. If there are questions regarding the documents requested, please do not hesitate to contact the lead inspector. During the inspection, the inspectors may request additional documents. The documents provided should not require an internet connection to be reviewed.

We would prefer as much of the information as possible in electronic form. An index to the CD contents is also helpful. For those items requesting a list of documents/areas, the inspectors will select documents/areas from the list for onsite review. If any of the requested information is too burdensome to provide electronically or as hard copies, simply indicate that the requested material is available for onsite review by the inspectors.

If you have any questions, please call Ruben Hamilton at 404-997-4672. Thank you in advance for your efforts in putting this material together.

Assistance Requested During Onsite Inspection

1. An onsite discussion with Chemistry and RadCon about the controls implemented to control work and effluent / environmental releases associated with the recent rad waste system failures.
2. The inspectors will need to tour the meteorological tower, and talk to knowledgeable staff about the meteorological program and maintenance on the tower.
3. An inspector will need to accompany the weekly environmental sample collection run.

Enclosure

General Information Needed

1. Plant Management, Radiation Protection, and Chemistry organizational charts with contact numbers.
2. Corrective action program procedure.
3. Outage schedule of major activities (Gantt chart if available).
4. Audits and self-assessments performed since the last inspection that encompasses the areas of Effluents/Radwaste and Radiological Environmental Monitoring / Meteorological Programs.
5. List of radiation protection procedures, including title and number.

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:
 - (a) collection, analysis, release, and dose evaluations for gaseous and liquid effluents
 - (b) groundwater monitoring program
4. List of changes made to radioactive effluent processing/discharge systems since June 18, 2012.
5. List of any non-radioactive systems that have become contaminated since June 18, 2012.
6. List of any unmonitored, unplanned, or otherwise abnormal gaseous or liquid releases since June 18, 2012. Include copies of any reports to the NRC (via 10 CFR 50.72 or other reporting requirements) regarding abnormal onsite spills/leaks of radioactive material.
7. List of 10 CFR 50.75(g) entries made since June 18, 2012.
8. List of liquid and gaseous effluent monitors listed as out-of-service (OOS) for > 1 day since June 18, 2012, including any special reports submitted to the NRC as a result of effluent monitor operability.
9. Inter-laboratory comparison program results (for onsite count lab) since June 18, 2012.
10. Results of the last two surveillance tests performed on the HEPA/Charcoal filter train components of the Standby Gas Treatment System.
11. The last two gaseous effluent release permits and the last two liquid effluent release permits.
12. Annual Effluent Reports for 2012 and 2013.
13. Recent results of the groundwater monitoring program (can be included as part of conference call presentation package).
14. Most recent audit, self-assessment, and/or review of the radioactive effluent monitoring program.
15. List of NCRs generated since June 18, 2012, as a result of gaseous and liquid effluent processing and/or ODCM related activities. Include all Nonconformance Reports (NCRs) related to voluntary reporting of onsite spills/leaks of radioactive material. *[This should be a list of corrective action documents containing an AR number and brief description, not full NCRs.]*

71124.07 - Radiological Environmental Monitoring Program

1. Collection schedule for Radiological Environmental Monitoring Program (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. Inter-laboratory comparison program results (environmental lab) since June 18, 2012.
6. List of systems, structures, or components (SSCs), identified as credible mechanisms for the potential release of licensed material to the groundwater.
7. List of changes to the REMP (sample locations, sample frequency, type of samples, etc.) since June 18, 2012.
8. Annual Radiological Environmental Operating Report for 2013.
9. Most recent audit, self-assessment, and/or review of REMP activities.
10. Most recent audit of vendor lab used to process REMP samples.
11. List of NCRs generated as a result of REMP activities since June 18, 2012. *[This should be a list of corrective action documents containing a PER number and brief description, not full NCRs.]*

Inspector Contact Information

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 404-997-4672
ruben.hamilton@nrc.gov

Mailing Address

U.S. Nuclear Regulatory Commission
 Region II
 Attention: Mr. Ruben Hamilton
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