



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

March 22, 2016

Mr. William R. Gideon  
Site Vice President  
Brunswick Steam Electric Plant  
P.O. Box 10429  
Southport, NC 28461

**SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT - NOTIFICATION OF INSPECTION AND  
REQUEST FOR INFORMATION**

Dear Mr. Gideon:

During the week of May 23–27, 2016, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Radiation Safety Inspection at the Brunswick Nuclear Plant (Inspection Procedures 71124.06, 71124.07, and Radiation Safety Sections of 71151). 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 May 6, 2016.

We have discussed the schedule for these inspection activities with your staff, and understand that our regulatory contact for this inspection will be Julius Bryant. If there are any questions about this inspection or the material requested, please contact the lead inspector, Wade Loo at 404-997-4727, 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

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Sincerely,

***/RA/***

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

Docket Nos. 50-324 and 50-325  
License Nos. DPR-62 and DPR-71

Enclosure:  
Document Request List

cc: Distribution via Listserv

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Sincerely,

**/RA/**

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

Docket Nos. 50-324 and 50-325  
License Nos. DPR-62 and DPR-71

Enclosure:  
Document Request List

cc: Distribution via Listserv

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ADAMS: ☒ Yes ACCESSION NUMBER: ML16082A399 ☒ SUNSI REVIEW COMPLETE ☒ FORM 665 ATTACHED

OFFICE	RII:DRS/PBS1	RII:DRS/PSB1				
SIGNATURE	WTL	BRB1				
NAME	W. Loo	B. Bonser				
DATE	3/ 21 /2016	3/ 22 /2016				
E-MAIL COPY	YES NO	YES NO				

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### Document Request List

Inspection Dates: May 23–27, 2016

Documents Due to Region II by: May 6, 2016

Inspection Procedures (IPs):	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment
	IP 71124.07	Radiological Environmental Monitoring Program
	IP 71151	Performance Indicator Verification

**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, 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
3. Most recent 10 CFR Part 61 results for the dry active waste stream
4. Procedure for gathering and reporting NRC performance indicator (PI) data

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

1. Most recent revision of the 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 March 2014.
5. List of any non-radioactive systems that have become contaminated since March 2014.
6. List of any unmonitored, unplanned, or otherwise abnormal gaseous or liquid releases since March 2014. 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 (RAM).
7. List of 10 CFR 50.75(g) entries made since March 2014.
8. List of liquid and gaseous effluent monitors listed as out-of-service for > 1 day since March 2014, including any special reports submitted to the NRC as a result of effluent monitor operability.

Enclosure

9. Inter-laboratory comparison program results (for onsite count lab) since March 2014.
10. Results of the last two surveillance tests performed on the HEPA/Charcoal filter system for the Standby Gas Treatment System.
11. The last two gaseous effluent release permits, and the last two liquid effluent release permits.
12. End-of-year public dose summary for 2014 and 2015.
13. All audits, self-assessments, and/or reviews of the radioactive effluent monitoring program since March 2014.
14. List of Condition Reports (CRs) generated since March 2014 as a result of gaseous and liquid effluent processing, and/or ODCM related activities. Include all CRs/Performance Evaluations Reports related to voluntary reporting of onsite spills/leaks of RAM. *[This should be a list of corrective action documents containing an action request (AR) number and brief description, not full CRs.]*

#### 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 and 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. 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 March 2014.
6. List of systems, structures, or components, 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 March 2014.
8. All audits, self-assessments, and/or reviews of REMP activities since March 2014. The data should include any reviews conducted of vendor activities and their facilities used to process REMP samples (e.g., environmental lab).
9. List of CRs generated as a result of REMP activities since March 2014. *[This should be a list of corrective action documents containing an AR number and brief description, not full CRs.]*

#### 71151 – Performance Indicator Verification (Occupational and Public Cornerstones)

1. Procedure for gathering and reporting PI data.
2. List of all CRs related to effluent dose/ODCM issues since January 1, 2015. *[This should be a list of corrective action documents containing an AR number and brief description, not full CRs.]*

3. List of all CRs related to locked high radiation area/very high radiation area issues, or significant (>100 mrem) unintended doses since January 1, 2015. *[This should be a list of corrective action documents containing an AR number and brief description, not full CRs.]*
4. Most recent gaseous and liquid effluent release permits showing year-to-date doses to the public.
5. Annual Radioactive Effluent Report for 2014 and 2015, OR an end-of-year public dose report if the official Effluent Report is not ready yet.
6. List of electronic dosimeter alarms (dose and dose rate) since January 1, 2015.

**Inspector Contact Information:**

Wade Loo  
 Sr. Health Physicist  
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U.S. Nuclear Regulatory Commission  
 Region II  
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 245 Peachtree Center Ave., N.E  
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 Atlanta, GA 30303

**LIST OF ACRONYMS**

ARs	Action Requests
CRs	Condition Reports
ODCM	Offsite Dose Calculation Manual
PI	Performance Indicator
RAM	Radioactive Material
REMP	Radiological Environmental Monitor Program