



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

January 15, 2010

Mr. R. M. Krich
Vice President, Nuclear Licensing
Tennessee Valley Authority
3R Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

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

Dear Mr. Krich:

During the period of March 22-26, 2010, the NRC will conduct baseline radiation safety inspection activities at the Browns Ferry Nuclear Plant. The inspection will evaluate activities in the Occupational Radiation Safety cornerstone using NRC Inspection Procedure (IP) 71124.01 and will focus on radiation protection activities associated with radiological hazard assessment and exposure controls. The inspection will also review the occupational radiation safety performance indicator using IP 71151.

This will be the first time that IP 71124.01, implemented January 1, 2010, is performed at Browns Ferry. 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 inspection. It is important that all of these documents are up to date and complete, thereby minimizing the number of additional documents requested during the preparation and/or the onsite portions of the inspection. The inspector has requested that the subject informational material be made available to the NRC staff by March 8, 2010, to allow preparation for the inspection. An address to which the information, preferably on CD, can be sent is provided on the enclosed document request.

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 of your organization. If there are any questions about this inspection or the material requested, please contact the inspector, Heather J. Gepford at (404) 562-4659.

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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 (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Brian R. 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: Browns Ferry Nuclear Plant, Notification of Inspection and Request for Information

cc w/encl.: (See page 3)

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X PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE X NON-SENSITIVE
 ADAMS: Yes ACCESSION NUMBER: _____ SUNSI REVIEW COMPLETE

OFFICE	RII:DRS	RII:DRS	RII:DRP				
SIGNATURE	HJG /RA/	BRB /RA/					
NAME	HGepford	BBonser					
DATE	01/15/2010	01/15/2010					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

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cc w/encl:
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TVA

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Letter to R. M. Krich from Brian Bonser dated January 15, 2010

SUBJECT: BROWNS FERRY NUCLEAR PLANT NOTIFICATION OF INSPECTION AND
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Distribution w/encl:

C. Evans, RII

L. Slack, RII

OE Mail

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RidsNrrPMBrownsFerry Resource

Pre-Inspection Document Request

Occupational Radiation Safety Cornerstone

Licensee: Browns Ferry Nuclear Plant
Docket Number(s): 50-259, 50-260, and 50-296

Inspection Dates: March 22-26, 2010

Procedure(s): 71124.01, Radiological Hazard Assessment and Exposure Controls

Documentation is requested from April 2009 to the present. 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 inspector will select documents/areas from the list for on-site review.

If you have any questions, please call Heather Gepford at 404-562-4659. Thank you in advance for all your effort in putting together this material.

Assistance Requested During On-Site Inspection

- Identification of work activities during the inspection for inspector observations, including notification of pre-job briefings.
- Health physics assistance in plant walk-downs assessing radiological hazards and exposure controls, e.g. verifying the posting and locking of entrances to locked-high radiation areas and very high radiation areas, spent fuel pool controls, and radioactive material storage areas.

General Information Request

1. Telephone numbers of contacts
2. Plant, Radiation Protection, and Chemistry organizational charts
3. List of radiation protection procedures
4. Most recent DAW 10 CFR Part 61 analytical results.
5. Corrective Action Program procedures
6. Audits and self-assessments performed since April 2009 that encompass the areas of (1) radiation protection, (2) control of radiologically significant areas, and (3) radioactive material control

71124.01: Radiological Hazard Assessment and Exposure Controls

1. Site and corporate procedures associated with assessing and controlling radiological hazards. Procedures should include:
 - Radiological surveys, postings, and radiation control barricades
 - Security and control of high radiation sources/objects, including those stored in pools
 - Radiation Work Permits
 - Radiological Job-Coverage

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- Controlling access to High Radiation Areas (HRAs), High Dose Rate High Radiation Areas (HDR-HRAs), and Very High Radiation Areas (VHRAs), including key controls
 - Radioactive material control, including contamination, hot particles, and survey/release of material for unrestricted use
 - Dosimetry monitoring (electronic dosimeters, multi-badging, whole body counting/internal dose assessment, etc.)
2. Description of any changes to plant operations that may result in a new radiological hazard for workers or members of the public.
 3. List of the most exposure significant radiologically risk-significant work activities planned for the outage, including at least five activities scheduled during the week of the inspection.
 4. List or map of HRAs, LHRAs, and VHRAs. Include areas with the potential to become a HRA during routine operations or outages.
 5. RWP for the 5 highest dose rate areas or outage tasks; RWP for airborne areas.
 6. Inventory of nonexempt licensed materials, including storage location.
 7. List of unusual dosimetry occurrences, including electronic dosimeter malfunctions/alarms.
 8. List of corrective action reports generated since April 2009 related to radiological hazard assessment and control, including the following:
 - Exposure controls, including high radiation area radiological incidents
 - Radiation monitoring (e.g. surveys, contamination, airborne)
 - Radiological events caused by radiation worker errors
 - Radiological events caused by radiation protection technician errors

Inspector Contact Information:

Heather J. Gepford
(404) 562-4659
Heather.Gepford@nrc.gov

Mailing Address

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Atlanta, GA 30303-3415

Enclosure