



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

February 28, 2018

Mr. Joseph W. Shea  
Vice President, Nuclear Regulatory Affairs  
and Support Services  
Tennessee Valley Authority  
1101 Market Street, LP 4A  
Chattanooga, TN 37402-2801

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR BROWNS FERRY NUCLEAR PLANT  
UNITS 1, 2, AND 3 - NRC INSPECTION REPORT 05000259/2017006,  
05000260/2017006 AND 05000296/2017006, REPORT 05000259/2017402,  
05000260/2017402 AND 05000296/2017402, AND REPORT 05000259/2017501,  
05000260/2017501 AND 05000296/2017501**

Dear Mr. Shea:

The Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of the Browns Ferry Nuclear Plant, Units 1, 2, and 3, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017, through December 31, 2017. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Browns Ferry Units 1, 2, and 3 during the most recent quarter, was within the Regulatory Response Column, the second highest performance column of the NRC's Reactor Oversight Process (ROP) Action Matrix. This conclusion was based on one second quarter 2017, greater-than-Green inspection finding in the Security cornerstone, and all PIs being within the expected range (i.e., Green).

On February 20, 2018, the NRC issued a supplemental 95001 inspection report in the Agency Document Access and Management System (ADAMS), Accession No. ML18051A745, which stated that your actions to address the performance issues were acceptable and the finding was closed. However, as explained in the cover letter, the finding will remain in the NRC's assessment program until March 30, 2018.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan, should circumstances warrant any changes.

J. Shea

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In addition to the ROP baseline inspections at your facility, we also plan to conduct Initial License Examinations and TI-191, Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans.

This letter, its Enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, and Requests for Withholding."

Please contact Anthony Masters at (404) 997-4465 with any questions you may have regarding this letter.

Sincerely,

*/RA/*

Joel T. Munday, Director  
Division of Reactor Projects

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

Enclosure:  
Browns Ferry Inspection/Activity Plan  
(03/01/2018 – 12/31/2019)

cc Distribution via ListServ

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 05000259/2017501, 05000260/2017501 AND 05000296/2017501  
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**ADAMS Accession No. ML 18059A105**

OFFICE	RII:DRP	RII:DRP	RII:DRP	RII:DRP	RII:DRS	RII:DRS
NAME	BBishop	SNinh	AMasters	DDumbacher	DGolden	SSanchez
DATE	2/14/2018	2/23/2018	2/26/2018	2/14/2018	2/14/2018	2/15/018
OFFICE	RII:DRP					
NAME	JMunday					
DATE	2/27/2018					

OFFICIAL RECORD COPY

# IP 22 Inspection Activity Plan Report

## Browns Ferry

03/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>UNIT 3 IN-SERVICE INSPECTION</b>						1
3	02/26/2018	03/02/2018	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>RAD HAZARDS AND TRANSPORTATION</b>						2
1, 2, 3	02/26/2018	03/02/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2, 3	02/26/2018	03/02/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2, 3	02/26/2018	03/02/2018	IP 71151	000746	Performance Indicator Verification	
<b>EP PROGRAM INSPECTION</b>						2
1, 2, 3	04/23/2018	04/27/2018	IP 71114.02	000717	Alert and Notification System Testing	
1, 2, 3	04/23/2018	04/27/2018	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2, 3	04/23/2018	04/27/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2, 3	04/23/2018	04/27/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2, 3	04/23/2018	04/27/2018	IP 71151	001397	Performance Indicator Verification	
<b>DESIGN BASES ASSURANCE INSPECTION (TEAM)</b>						6
1, 2, 3	04/30/2018	05/04/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2, 3	05/14/2018	05/18/2018	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>RP PUBLIC INSPECTION</b>						2
1, 2, 3	06/18/2018	06/22/2018	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2, 3	06/18/2018	06/22/2018	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2, 3	06/18/2018	06/22/2018	IP 71151	000746	Performance Indicator Verification	
<b>BROWNS FERRY INITIAL LICENSE EXAM</b>						4
1, 2, 3	06/18/2018	06/22/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2, 3	07/16/2018	07/27/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						5
1, 2, 3	08/06/2018	08/10/2018	IP 71152B	000747	Problem Identification and Resolution	
1, 2, 3	08/20/2018	08/24/2018	IP 71152B	000747	Problem Identification and Resolution	
<b>BROWNS FERRY REQUAL INSPECTION</b>						2
1, 2, 3	09/10/2018	09/14/2018	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

# IP 22 Inspection Activity Plan Report

<b>CYBER SECURITY</b>						<b>4</b>
1, 2, 3	09/17/2018	09/21/2018	IP 71130.10P	000741	Cyber Security	
1, 2, 3	10/01/2018	10/05/2018	IP 71130.10P	000741	Cyber Security	
<b>MITIGATING STRATEGIES</b>						<b>4</b>
1, 2, 3	10/08/2018	10/12/2018	TI 2515/191	000509	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
<b>UNIT 1 IN-SERVICE INSPECTION</b>						<b>1</b>
1	10/22/2018	10/26/2018	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>TARGET SET INSPECTION</b>						<b>1</b>
1, 2, 3	12/10/2018	12/14/2018	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>BROWNS FERRY NFPA 805</b>						<b>3</b>
1, 2, 3	02/11/2019	02/15/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1, 2, 3	03/04/2019	03/08/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
<b>SECURITY BASELINE INSPECTION</b>						<b>1</b>
1, 2, 3	02/11/2019	02/15/2019	IP 71130.02	000734	Access Control	
1, 2, 3	02/11/2019	02/15/2019	IP 71151	001338	Performance Indicator Verification	
<b>RP OCCUPATIONAL WEEK 1</b>						<b>3</b>
1, 2, 3	03/04/2019	03/08/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2, 3	03/04/2019	03/08/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2, 3	03/04/2019	03/08/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2, 3	03/04/2019	03/08/2019	IP 71124.04	000729	Occupational Dose Assessment	
1, 2, 3	03/04/2019	03/08/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2, 3	03/04/2019	03/08/2019	IP 71151	000746	Performance Indicator Verification	
<b>UNIT 2 IN-SERVICE INSPECTION</b>						<b>1</b>
2	03/11/2019	03/15/2019	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
<b>RP OCCUPATIONAL WEEK 2</b>						<b>2</b>
1, 2, 3	03/18/2019	03/22/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2, 3	03/18/2019	03/22/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2, 3	03/18/2019	03/22/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2, 3	03/18/2019	03/22/2019	IP 71124.04	000729	Occupational Dose Assessment	
1, 2, 3	03/18/2019	03/22/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2, 3	03/18/2019	03/22/2019	IP 71151	000746	Performance Indicator Verification	

# IP 22 Inspection Activity Plan Report

<b>FORCE-ON-FORCE PLANNING AND EXERCISES</b>						8
1, 2, 3	06/17/2019	06/21/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2, 3	07/08/2019	07/12/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>EP EXERCISE INSPECTION</b>						6
1, 2, 3	06/24/2019	06/28/2019	IP 71114.01	000716	Exercise Evaluation	
1, 2, 3	06/24/2019	06/28/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2, 3	06/24/2019	06/28/2019	IP 71114.08	000723	Exercise Evaluation Scenario Review	
1, 2, 3	06/24/2019	06/28/2019	IP 71151	001397	Performance Indicator Verification	
<b>BROWNS FERRY INITIAL LICENSE EXAM</b>						5
1, 2, 3	07/08/2019	07/12/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2, 3	08/12/2019	08/23/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	