



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II**

245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

August 29, 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: ASSESSMENT FOLLOWUP LETTER AND UPDATED INSPECTION PLAN FOR
BROWNS FERRY NUCLEAR PLANT, UNITS 1, 2, AND 3 (REPORTS
05000259, 05000260, 05000296/2018005)**

Dear Mr. Shea:

As a result of our quarterly review of plant performance, which was completed on August 1, 2018, the U.S. Nuclear Regulatory Commission (NRC) updated its assessment of Browns Ferry Nuclear Plant, Units 1, 2, and 3. The NRC's evaluation consisted of a review of performance indicators and inspection results. This letter informs you of the NRC's assessment of your facility. This letter supplements, but does not supersede, the annual assessment letter issued on February 28, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18059A105).

On February 20, 2018, the NRC completed a review of your corrective actions for the greater-than-green inspection finding in the Security cornerstone, using Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." Based on the results of this inspection, the NRC has concluded that you have adequately completed a root cause analysis of the issue, and have identified appropriate corrective actions to prevent recurrence of the issue. No findings were identified concerning the root cause evaluation and corrective actions. The NRC's inspection was documented in NRC inspection report (IR) 05000259, 260, 296/2018440, which is publically available in ADAMS Accession No. ML18051A745.

After reviewing Browns Ferry Nuclear Plant's performance in addressing the greater-than-Green inspection finding subject of this Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," the NRC concluded your actions met the objectives of this inspection procedure. Therefore, in accordance with the guidance in Inspection Manual Chapter (IMC) 0305, "Operating Reactor Assessment Program," the greater-than-green finding will only be considered in assessing plant performance for a total of four quarters. As a result, the NRC determined the performance at Browns Ferry Nuclear Plant, Units 1, 2, and 3, to be in the Licensee Response Column (Column 1) of the ROP Action Matrix as of April 1, 2018.

The enclosed inspection plan lists the inspections scheduled through June 30, 2020, for the Browns Ferry Nuclear Plant. 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 twelve 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.

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 me at (404) 997-4465 with any questions you have regarding this letter.

Sincerely,

/RA/

Anthony D. Masters, Chief
Reactor Projects Branch 5
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
(09/01/2018- 06/30/2020)

cc Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR BROWNS FERRY NUCLEAR PLANT
UNITS 1, 2, AND 3 (REPORTS 05000259, 05000260, 05000296/2018005)
August 29, 2018

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ADAMS Accession No. ML18241A110

OFFICE	RII/DRP	RII/DRP	RII/DRP	RII/DRP		
NAME	SNinh	AWilson	TStephen	AMasters		
DATE	8/26/2018	8/27/2018	8/26/2018	8/28/2018		

OFFICIAL AGENCY RECORD

IP 22 Inspection Activity Plan Report

Browns Ferry

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
BROWNS FERRY REQUAL INSPECTION						2
1, 2, 3	09/10/2018	09/14/2018	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
CYBER SECURITY						4
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	
UNIT 1 IN-SERVICE INSPECTION						1
1	10/22/2018	10/26/2018	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
MITIGATING STRATEGIES						4
1, 2, 3	12/03/2018	12/07/2018	TI 2515/191	000509	Inspection of Licensee's Responses to Order EA-12-049, EA-12-051 & EP Info Request March 12, 2012	
NFPA 805 TRIENNIAL FIRE PROTECTION INSPECTION						4
1, 2, 3	02/04/2019	02/08/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1, 2, 3	02/25/2019	03/01/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
SECURITY BASELINE INSPECTION						1
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	
RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 1						3
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	
UNIT 2 IN-SERVICE INSPECTION						1
2	03/11/2019	03/15/2019	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2						2
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	

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Browns Ferry

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2						2
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	
FORCE-ON-FORCE PLANNING AND EXERCISE						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	
EMERGENCY PREPAREDNESS EXERCISE						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	
BROWNS FERRY INITIAL LICENSE EXAM						5
1, 2, 3	09/30/2019	10/04/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2, 3	11/04/2019	11/15/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
TVA CORPORATE OFFICE FFD/AA/SGI INSPECTION						2
1, 2, 3	01/06/2020	01/10/2020	IP 71130.01	000733	Access Authorization	
1, 2, 3	01/06/2020	01/10/2020	IP 71130.06	000738	Protection of Safeguards Information	
1, 2, 3	01/06/2020	01/10/2020	IP 71130.08	000740	Fitness For Duty Program	
SECURITY BASELINE INSPECTION						2
1, 2, 3	02/03/2020	02/07/2020	IP 71130.01	000733	Access Authorization	
1, 2, 3	02/03/2020	02/07/2020	IP 71130.02	000734	Access Control	
1, 2, 3	02/03/2020	02/07/2020	IP 71130.06	000738	Protection of Safeguards Information	
1, 2, 3	02/03/2020	02/07/2020	IP 71130.08	000740	Fitness For Duty Program	
1, 2, 3	02/03/2020	02/07/2020	IP 71151	001338	Performance Indicator Verification	
RP OCCUPATIONAL RAD SAFETY RAD HAZARD & TRANSPORTATION BASELINE INSPECTION						2
1, 2, 3	02/24/2020	02/28/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2, 3	02/24/2020	02/28/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	

IP 22 Inspection Activity Plan Report

Browns Ferry

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
UNIT 3 IN-SERVICE INSPECTION						1
3	03/02/2020	03/06/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
EVALUATIONS OF CHANGES, TESTS, AND EXPERIMENTS						3
1, 2, 3	05/04/2020	05/08/2020	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
SECURITY BASELINE INSPECTION						2
1, 2, 3	06/01/2020	06/05/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2, 3	06/01/2020	06/05/2020	IP 71130.07	000739	Security Training	
1, 2, 3	06/01/2020	06/05/2020	IP 71151	001338	Performance Indicator Verification	