



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

March 4, 2019

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 - REPORT 05000259/2018006, 05000260/2018006 AND
05000328/2018006

Dear Mr. Shea:

The 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, 2018, through December 31, 2018. 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.

Browns Ferry Nuclear Plant, Units 1, 2 and 3 were in the NRC Regulatory Response Column for the first quarter of CY 2018 for the greater-than-Green inspection finding in the Security cornerstone identified in the second quarter of 2017. 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." The NRC's inspection was documented in NRC inspection report (IR) 05000259, 260, 296/2018440, which is publically available in ADAMS Accession No. ML18051A745. Based on the results of this inspection, the NRC determined the performance at Browns Ferry Nuclear Plant, Units 1, 2 and 3 returned in the Licensee Response Column (Column 1) of the Reactor Oversight Process (ROP) Action Matrix in the second quarter of CY 2018.

The NRC determined the performance at Browns Ferry Nuclear Plant, Units 1, 2 and 3 during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's ROP Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

In addition to the ROP baseline inspections, we also plan on conducting infrequently performed inspections which include two Initial License Examinations, Safety Conscious Work Environment and Confirmatory Orders Follow-up inspections. The NRC will be in contact with your staff to schedule completion of Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)."

The NRC intends to complete this inspection in 2019.

The enclosed inspection plan lists the inspections scheduled through December 31, 2020. 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. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"). Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. 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.

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 Omar López-Santiago at (404) 997-4703 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
(03/01/2019- 12/31/2020)

cc Distribution via ListServ

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05000328/2018006 – March 4, 2019

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ADAMS Accession No. ML19063D228

OFFICE	RII:DRP	RII:DRP	RII:DRP			
NAME	AMasters	MCrespo	JMunday			
DATE	2/20/2019	2/26/2019	2/27/2019			

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IP 22 Inspection Activity Plan Report

Browns Ferry

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
NFPA 805 TRIENNIAL FIRE PROTECTION INSPECTION						4
1, 2, 3	02/17/2019	03/02/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
UNIT 2 IN-SERVICE INSPECTION						1
2	03/04/2019	03/08/2019	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
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	000728	Occupational Dose Assessment	
1, 2, 3	03/04/2019	03/08/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
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	
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	000728	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						6
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)	
SCWE AND CONFIRMATORY ORDERS FOLLOWUP INSPECTIONS						2
1, 2, 3	11/04/2019	11/08/2019	IP 92702	000238	Followup on Corrective Actions For Violations And Deviations	

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

Browns Ferry

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
SCWE AND CONFIRMATORY ORDERS FOLLOWUP INSPECTIONS						2
1, 2, 3	11/04/2019	11/08/2019	IP 93100	000921	Safety-Conscious Work Environment Issue of Concern Followup	
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	
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	
RP PUBLIC RAD SAFETY BASELINE INSPECTION						2
1, 2, 3	07/06/2020	07/10/2020	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2, 3	07/06/2020	07/10/2020	IP 71124.07	000731	Radiological Environmental Monitoring Program	
TRIENNIAL HEAT SINK PERFORMANCE						1
1, 2, 3	07/20/2020	07/24/2020	IP 71111.07T	000700	Heat Sink Performance -Triennial	

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IP 22 Inspection Activity Plan Report

Browns Ferry

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
BROWNS FERRY REQUAL INSPECTION						2
1, 2, 3	09/14/2020	09/18/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
UNIT 1 IN-SERVICE INSPECTION						1
1	10/26/2020	10/30/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
BROWNS FERRY INITIAL LICENSE EXAM						6
1, 2, 3	10/26/2020	10/30/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2, 3	11/30/2020	12/11/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	