



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

March 03, 2020

Ms. Cheryl A. Gayheart
Regulatory Affairs Director
Southern Nuclear Operating Co., Inc.
3535 Colonnade Parkway
Birmingham, AL 35243

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR JOSEPH M. FARLEY NUCLEAR
PLANT - REPORT 05000348/2019006 AND 05000364/2019006**

Dear Ms. Gayheart:

The NRC has completed its end-of-cycle performance assessment of Joseph M. Farley Nuclear Plant, Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2019, through December 31, 2019. 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 Joseph M. Farley Nuclear Plant, Units 1 and 2 during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2021. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. 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"), and other changes to the baseline inspection program described in these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule. 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.

During this period the NRC will schedule an additional inspection per a revised version Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerability in Electrical Power

Systems (NRC Bulletin 2012-01)" for any sites who elect to implement the guidance of the Industry Initiative on Open Phase Condition, Revision 3 (ML19163A176), which included an option for relying on annunciation and operator manual actions instead of automatic protective features to isolate a power supply affected by an open phase condition. Licensees will be individually notified when the NRC schedules these inspections.

Additionally, the NRC plans to conduct Inspection Procedure 92702 "Followup on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, And Alternative Dispute Resolution Confirmatory Order", to review an Alternative Dispute Resolution (ADR) Confirmatory Order (CO) EA-18-130 and EA-18-171 dated November 20, 2019 (ML19323E998). The CO was the result of an apparent willful violation of 10 CFR § 52.5, "Employee Protection," at Vogtle Units 3 & 4, which contained actions for Farley, Hatch, and Vogtle Units 1 & 2 nuclear plants.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter 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).

Please contact me at (404) 997-4415 with any questions you have regarding this letter.

Sincerely,

/RA/

Alan J. Blamey, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Docket Nos. 05000348 and 05000364

License Nos. NPF-2 and NPF-8

Enclosure:

As stated

cc w/ encl: Distribution via LISTSERV®

SUBJECT: JOSEPH M. FARLEY NUCLEAR PLANT – INTEGRATED INSPECTION
REPORT 05000348/2019006 AND 05000364/2019006 DATED March 3, 2020

DISTRIBUTION:

M. Kowal, RII

S. Price, RII

L. Gibson, RII

OE Mail

RidsNrrPMFarley Resource

PUBLIC

ADAMS ACCESSION NUMBER: ML20063K834

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive			<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available		
OFFICE	RII/DRP	RII/DRP	RII/DRP	RII/DRP			
NAME	D. Mas	P. Meier	N. Staples	A. Blamey			
DATE	2/24/2020	2/25/2020	2/25/2020	3/3/2020			

OFFICAL RECORDS COPY

IP 22 Inspection Activity Plan Report

Farley

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
DESIGN BASIS ASSURANCE INSPECTION (TEAM)						7
1, 2	04/06/2020	04/10/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	04/20/2020	04/24/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
FARLEY INITIAL LICENSE EXAM						5
1, 2	06/01/2020	06/05/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	07/06/2020	07/17/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
EMERGENCY PREPAREDNESS EXERCISE						6
1, 2	06/29/2020	07/03/2020	IP 71114.01	000716	Exercise Evaluation	
1, 2	06/29/2020	07/03/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	06/29/2020	07/03/2020	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	
1, 2	06/29/2020	07/03/2020	IP 71151	001397	Performance Indicator Verification	
FARLEY REQUAL INSPECTION						2
1, 2	07/20/2020	07/24/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - FAR						6
1, 2	07/20/2020	07/24/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	08/10/2020	08/14/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
POST-APPROVAL LR PHASE 2						3
1, 2	08/03/2020	08/07/2020	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
1, 2	08/17/2020	08/21/2020	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
MATERIAL CONTROL AND ACCOUNTING						1
1, 2	08/30/2020	09/26/2020	IP 71130.11	000742	Material Control and Accounting (MC&A)	
SNC CORPORATE OFFICE AA/FFD INSPECTION						2
1, 2	08/31/2020	09/04/2020	IP 71130.01	000733	Access Authorization	
1, 2	08/31/2020	09/04/2020	IP 71130.08	000740	Fitness For Duty Program	
UNIT 2 IN-SERVICE INSPECTION						1
2	10/12/2020	10/16/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION						3
1, 2	10/19/2020	10/23/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Enclosure

IP 22 Inspection Activity Plan Report

Farley

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION						3
1, 2	10/19/2020	10/23/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	10/19/2020	10/23/2020	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	10/19/2020	10/23/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	10/19/2020	10/23/2020	IP 71151	000746	Performance Indicator Verification	
SECURITY BASELINE INSPECTION						2
1, 2	11/30/2020	12/04/2020	IP 71130.01	000733	Access Authorization	
1, 2	11/30/2020	12/04/2020	IP 71130.02	000734	Access Control	
1, 2	11/30/2020	12/04/2020	IP 71130.08	000740	Fitness For Duty Program	
1, 2	11/30/2020	12/04/2020	IP 71130.09	001656	Security Plan Changes	
1, 2	11/30/2020	12/04/2020	IP 71151	001338	Performance Indicator Verification	
PROBLEM IDENTIFICATION & RESOLUTION						4
1, 2	02/08/2021	02/12/2021	IP 71152B	000747	Problem Identification and Resolution	
1, 2	02/22/2021	02/26/2021	IP 71152B	000747	Problem Identification and Resolution	
UNIT 1 IN-SERVICE INSPECTION +SG						2
1	03/22/2021	03/26/2021	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP OCCUPATIONAL RAD SAFETY & TRANSPORTATION BASELINE INSPECTION						2
1, 2	03/29/2021	04/02/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/29/2021	04/02/2021	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	03/29/2021	04/02/2021	IP 71151	000746	Performance Indicator Verification	
EMERGENCY PREPAREDNESS PROGRAM INSPECTION						2
1, 2	05/02/2021	05/15/2021	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	05/02/2021	05/15/2021	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	05/02/2021	05/15/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	05/02/2021	05/15/2021	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	05/02/2021	05/15/2021	IP 71151	001397	Performance Indicator Verification	
FARLEY INITIAL LICENSE EXAM						4
1, 2	05/10/2021	05/14/2021	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	06/14/2021	06/25/2021	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	

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

Farley

03/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
NFPA 805 TRIENNIAL FIRE PROTECTION INSPECTION						4
1, 2	06/14/2021	06/18/2021	IP 71111.05XT	000697	Fire Protection - NFPA 805	
1, 2	06/28/2021	07/02/2021	IP 71111.05XT	000697	Fire Protection - NFPA 805	
RP PUBLIC RAD SAFETY INSPECTION						2
1, 2	06/14/2021	06/18/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	06/14/2021	06/18/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	06/14/2021	06/18/2021	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	06/14/2021	06/18/2021	IP 71151	000746	Performance Indicator Verification	
SECURITY BASELINE INSPECTION						3
1, 2	08/02/2021	08/06/2021	IP 71130.02	000734	Access Control	
1, 2	08/02/2021	08/06/2021	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	08/02/2021	08/06/2021	IP 71130.07	000739	Security Training	
1, 2	08/02/2021	08/06/2021	IP 71130.09	001656	Security Plan Changes	
1, 2	08/02/2021	08/06/2021	IP 71151	001338	Performance Indicator Verification	
DESIGN BASES ASSURANCE INSPECTION (PROGRAMS)						3
1, 2	10/18/2021	10/22/2021	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1, 2	11/01/2021	11/05/2021	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	