



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

March 3, 2020

Mr. Don Moul
Vice President, Nuclear Division
and Chief Nuclear Officer
Florida Power & Light Company
Mail Stop: NT3/JW
15430 Endeavor Drive
Jupiter, FL 33478

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SEABROOK STATION, UNIT NO. 1
(REPORT 05000443/2019006)

Dear Mr. Moul,

The NRC has completed its end-of-cycle performance assessment of Seabrook Station, Unit 1 (Seabrook), 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 Seabrook during the most recent quarter was within the Licensee Response Column (Column 1) of the NRC's Reactor Oversight Process (ROP) Action Matrix in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," 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 Seabrook.

The enclosed inspection plan lists the inspections scheduled through December 31, 2021. 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 SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." 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. Furthermore, all 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.

In addition to the baseline inspections, the NRC will conduct Inspection Procedure (IP) 81311, "Physical Security Requirements for Independent Spent Fuel Storage Installations," and IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," at your facility during the period.

On March 11, 2019 (ADAMS Ref. No. ML18204A291) the NRC issued a license amendment which reconciles the licensing design basis of concrete structures impacted by alkali-silica reaction (ASR). The NRC will continue to provide oversight of your management of the effects of ASR in the plant's concrete structures using the ROP's baseline inspection program. We will continue to coordinate closely with your ASR project management staff to select the most appropriate opportunities to inspect your activities.

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

Please contact me at 610-337-5312 with any questions you have regarding this letter.

Sincerely,

X /RA/

Signed by: NRC-PIV

Brice Bickett, Chief
Project Branch 3
Division of Reactor Projects

Docket No. 50-443
License No. NPF-86

Enclosure:
Seabrook Inspection Plan

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SEABROOK STATION, UNIT NO. 1
(REPORT 05000443/2019006) DATED MARCH 3, 2020

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OFFICE	RI/DRP	RI/DRP			
NAME	EBurket	BBickett			
DATE	2/25/20	3/3/20			

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Seabrook

02/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
Access Authorization and Control, Fitness for Duty, and ISFSI-SB						3
1	01/27/2020	02/10/2020	IP 71130.01	000733	Access Authorization	
1	01/27/2020	02/10/2020	IP 71130.02	000734	Access Control	
1	01/27/2020	02/10/2020	IP 71130.08	000740	Fitness For Duty Program	
1	01/27/2020	02/10/2020	IP 71151	001338	Performance Indicator Verification	
1	01/27/2020	02/10/2020	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
ISFSI OPERATIONAL INSPECTION - SB						2
1	03/09/2020	03/13/2020	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
ISI - UNIT 1						1
1	04/06/2020	04/17/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP Rad Hazard Assess / Occupational ALARA / In-Plant Airborne IP 71124.01, .02 & .03						1
1	04/06/2020	04/10/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	04/06/2020	04/10/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	04/06/2020	04/10/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - SB						6
1	06/15/2020	06/19/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	07/06/2020	07/10/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
SB- Security Plan Review						1
1	06/15/2020	06/19/2020	IP 71130.09	001656	Security Plan Changes	
FY20 SEABROOK Initial Exam						5
1	07/05/2020	07/11/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	08/02/2020	08/15/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
RP Instrumentation 71124.05						1
1	07/06/2020	07/10/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
FIRE PROTECTION-SEABROOK						3
1	07/27/2020	07/31/2020	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1	08/10/2020	08/14/2020	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	

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Seabrook

02/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
RP In-Plant Airborne / Occup. Dose Assess / Performance Ind. 71124.03, .04 & 71151						1
1	08/31/2020	09/04/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	08/31/2020	09/04/2020	IP 71124.04	000728	Occupational Dose Assessment	
1	08/31/2020	09/04/2020	IP 71151	000746	Performance Indicator Verification	
EP EXERCISE INSPECTION - SEABROOK						5
1	09/28/2020	10/02/2020	IP 71114.01	000716	Exercise Evaluation	
1	09/28/2020	10/02/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	09/28/2020	10/02/2020	IP 71151	001397	Performance Indicator Verification	
PI&R Biennial Team Inspection - SB						4
1	10/19/2020	10/23/2020	IP 71152B	000747	Problem Identification and Resolution	
1	11/02/2020	11/06/2020	IP 71152B	000747	Problem Identification and Resolution	
Access Control, Equipment Testing and Maintenance, Training, SPR						3
1	02/22/2021	02/26/2021	IP 71130.02	000734	Access Control	
1	02/22/2021	02/26/2021	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	02/22/2021	02/26/2021	IP 71130.07	000739	Security Training	
1	02/22/2021	02/26/2021	IP 71130.09	001656	Security Plan Changes	
1	02/22/2021	02/26/2021	IP 71151	001338	Performance Indicator Verification	
Design Basis Assurance Inspection - Programs - Power Operated Valves - Seabrook Unit 1						3
1	03/01/2021	03/05/2021	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
1	03/15/2021	03/19/2021	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
RP Rad Hazard Assess / Occupational ALARA 71124.01, .02						1
1	03/29/2021	04/02/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	03/29/2021	04/02/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
Evaluations of Changes, Tests and Experiments						3
1	05/16/2021	05/22/2021	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
EP Program Inspection - Seabrook						1
1	06/14/2021	06/18/2021	IP 71114.02	000717	Alert and Notification System Testing	
1	06/14/2021	06/18/2021	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	06/14/2021	06/18/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	

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

Seabrook

02/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
EP Program Inspection - Seabrook						1
1	06/14/2021	06/18/2021	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	06/14/2021	06/18/2021	IP 71151	001397	Performance Indicator Verification	
RP Radioactive Gaseous and Liquid Effluent Treatment 71124.06						1
1	06/14/2021	06/18/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
MATERIAL CONTROL AND ACCOUNTABILITY						1
1	07/18/2021	07/24/2021	IP 71130.11	000742	Material Control and Accounting (MC&A)	
HEAT SINK INSPECTION						1
1	08/08/2021	08/14/2021	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
RP Solid Waste Processing, Handling, Storage, and Transportation / Performance Indicators IP 71124.08 & 71151						1
1	08/23/2021	08/27/2021	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	08/23/2021	08/27/2021	IP 71151	000746	Performance Indicator Verification	
INSERVICE INSPECTION						1
1	10/10/2021	10/23/2021	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	