



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

March 4, 2019

Mr. Mano Nazar
President and Chief Nuclear Officer
Nuclear Division
NextEra Energy Seabrook, LLC
Mail Stop: EX/JB
700 Universe Blvd.
Juno Beach, FL 33408

SUBJECT: ANNUAL ASSESSMENT LETTER FOR SEABROOK STATION, UNIT NO. 1
(REPORT 05000443/2018006)

Dear Mr. Nazar,

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, 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.

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, 2020. 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"). 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. 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."

As previously noted in the August 28, 2018, Updated Inspection Plan for Seabrook Station, Unit No. 1 (Report 05000443/2018005; ADAMS Accession No. ML18228A565) regarding the Alkali-Silica Reaction (ASR) concrete issues, in addition to baseline inspections, the NRC will continue to provide focused oversight of NextEra's assessment of ASR progression in Seabrook's concrete structures using Problem Identification and Resolution (PI&R) annual samples. While tentative dates for these ongoing inspections are included in the attached inspection schedule, we understand that your schedule is subject to change. We will 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,

/RA/

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 05000443/2018006) DATED MARCH 4, 2019

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-19 EOC Review\Branch 3\Seabrook\SB ROP-19 AAL .docx

ADAMS ACCESSION NUMBER: ML19064B383

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive Sensitive		<input checked="" type="checkbox"/> Publicly Available Non-Publicly Available	
OFFICE	RI/DRP	RI/DRP	RI/DRP		
NAME	PCataldo/MH	MHenrion	BBickett		
DATE	2/25/19	2/25/19	2/27/19		

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Seabrook

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
RETS						1
1	01/28/2019	02/01/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
Annual Sample - ASR						1
1	04/07/2019	04/13/2019	IP 71152	000748	Problem Identification and Resolution	
EP PROGRAM INSPECTION						2
1	04/08/2019	04/12/2019	IP 71114.02	000717	Alert and Notification System Testing	
1	04/08/2019	04/12/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	04/08/2019	04/12/2019	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	04/08/2019	04/12/2019	IP 71151	001397	Performance Indicator Verification	
DESIGN BASES ASSURANCE INSP - TEAMS						6
1	04/14/2019	04/20/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1	04/28/2019	05/04/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
ACCESS CONTROL, PROTECTIVE STRATEGY, TSR						4
1	04/22/2019	04/26/2019	IP 71130.02	000734	Access Control	
1	04/22/2019	04/26/2019	IP 71130.05	000737	Protective Strategy Evaluation	
1	04/22/2019	04/26/2019	IP 71130.14	000743	Review of Power Reactor Target Sets	
1	04/22/2019	04/26/2019	IP 71151	001338	Performance Indicator Verification	
HP						1
1	05/13/2019	05/17/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	05/13/2019	05/17/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	05/13/2019	05/17/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/13/2019	05/17/2019	IP 71124.04	000728	Occupational Dose Assessment	
1	05/13/2019	05/17/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
HP						1
1	07/22/2019	07/26/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	07/22/2019	07/26/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	07/22/2019	07/26/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
REMP						1
1	09/09/2019	09/13/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	

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Seabrook

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
CYBER FULL IMP						4
1	10/07/2019	10/11/2019	IP 71130.10P	000741	Cyber Security	
1	10/28/2019	11/01/2019	IP 71130.10P	000741	Cyber Security	
Annual Sample - ASR						1
1	10/27/2019	11/02/2019	IP 71152	000748	Problem Identification and Resolution	
HP						1
1	11/18/2019	11/22/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	11/18/2019	11/22/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	11/18/2019	11/22/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/18/2019	11/22/2019	IP 71124.04	000728	Occupational Dose Assessment	
1	11/18/2019	11/22/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	11/18/2019	11/22/2019	IP 71151	000746	Performance Indicator Verification	
SEABROOK REQUAL INSP W/ P/F RESULTS						2
1	12/02/2019	12/06/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance (Annual)	
1	12/02/2019	12/06/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
Access Authorization and Control, Fitness for Duty, and ISFSI						3
1	01/27/2020	01/31/2020	IP 71130.01	000733	Access Authorization	
1	01/27/2020	01/31/2020	IP 71130.02	000734	Access Control	
1	01/27/2020	01/31/2020	IP 71130.08	000740	Fitness For Duty Program	
1	01/27/2020	01/31/2020	IP 71151	001338	Performance Indicator Verification	
1	01/27/2020	01/31/2020	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
Radwaste						1
1	02/03/2020	02/07/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
ISI - UNIT 1						1
1	04/06/2020	04/17/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	

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Seabrook

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
HP						1
1	05/11/2020	05/15/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	05/11/2020	05/15/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS						7
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	
SEABROOK INITIAL OL EXAM						4
1	07/06/2020	07/10/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	08/03/2020	08/14/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
TRIENNIAL FIRE PROTECTION						4
1	07/27/2020	07/31/2020	IP 71111.05T	000696	Fire Protection (Triennial)	
1	08/10/2020	08/14/2020	IP 71111.05T	000696	Fire Protection (Triennial)	
HP						1
1	08/17/2020	08/21/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	08/17/2020	08/21/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	08/17/2020	08/21/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	08/17/2020	08/21/2020	IP 71124.04	000728	Occupational Dose Assessment	
1	08/17/2020	08/21/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
SEABROOK EP EXERCISE INSPECTION						5
1	09/28/2020	10/02/2020	IP 71114.01	000716	Exercise Evaluation	
1	09/28/2020	10/02/2020	IP 71151	001397	Performance Indicator Verification	
PI&R Biennial Team Inspection						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	
HP						1
1	11/02/2020	11/06/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	11/02/2020	11/06/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	11/02/2020	11/06/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/02/2020	11/06/2020	IP 71124.04	000728	Occupational Dose Assessment	

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Seabrook

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
HP						1
1	11/02/2020	11/06/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	