



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BLVD.
KING OF PRUSSIA, PA 19406-2713**

August 28, 2017

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: UPDATED INSPECTION PLAN FOR SEABROOK STATION, UNIT NO. 1
(REPORT 05000443/2017005)**

Dear Mr. Nazar:

The enclosed inspection plan lists the inspections scheduled through June 30, 2019, for Seabrook Station, Unit 1 (Seabrook). 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. This inspection plan does not include the plan for security-related inspections, which will be sent via separate, non-publicly available correspondence.

In addition to baseline inspections, the NRC plans to conduct Inspection Procedure (IP) 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants." As previously noted in the annual assessment letter dated March 1, 2017 (Report 05000443/2016006; ADAMS Accession No.: ML17059C016¹) regarding the Alkali-Silica Reaction (ASR) concrete issues, 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.

¹ The designation in parentheses refers to an Agencywide Documents Access and Management System (ADAMS) Accession Number. Documents referenced in this letter are publicly available using the Accession Number in ADAMS.

M. Nazar

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Please contact me at (610) 337-5200 with any questions you have regarding this letter.

Sincerely,

/RA/

Fred L. Bower, III, Chief
Project Branch 3
Division of Reactor Projects

Docket No. 50-443

License No. NPF-86

Enclosure: Seabrook Inspection Plan

cc: Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR SEABROOK STATION, UNIT NO. 1
(REPORT 05000443/2017005) DATED AUGUST 28, 2017

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-18 Second Quarter Process\Branch 3\ROP 18 Inspection Plan Letter SB FINAL.docx
ADAMS ACCESSION NUMBER: ML17233A016

<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	RI/DRP	RI/DRP	RI/DRP		
NAME	PCataldo/per email MD	MDraxton	FBower		
DATE	8/17/17	8/17/17	8/21/17		

OFFICIAL RECORD COPY

Seabrook
Inspection / Activity Plan
 08/29/2017 - 06/30/2019

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71124 - 71124.07 REMP		1
1	09/04/2017	09/07/2017	IP 71124.07	Radiological Environmental Monitoring Program	
			2/19EXM - SEABROOK INITIAL OL EXAM		4
1	01/22/2018	01/26/2018	U01948	FY18-SEABROOK INITIAL OPERATOR LICENSING EXAM	
1	02/19/2018	02/23/2018	U01948	FY18-SEABROOK INITIAL OPERATOR LICENSING EXAM	
			71152A - PI&R ANNUAL SAMPLE – ASR MONITORING		1
1	10/01/2017	12/31/2017	IP 71152-Reviews	In-depth Reviews	
			7111111B - SEABROOK REQUAL INSP WITH P/F RESULTS		2
1	12/04/2017	12/08/2017	IP 7111111A	Licensed Operator Requalification Program - Annual Review	
1	12/04/2017	12/08/2017	IP 7111111B	Licensed Operator Requalification Program	
			71124 - 71151 PI VERIFY71124.02ALARA06RETS07REMP		1
1	12/04/2017	12/07/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	12/04/2017	12/07/2017	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	12/04/2017	12/07/2017	IP 71124.07	Radiological Environmental Monitoring Program	
1	12/04/2017	12/07/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	12/04/2017	12/07/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			ASR - PI&R SAMPLE - ASR MONITORING		1
1	01/01/2018	03/31/2018	IP 71152	Problem Identification and Resolution	
			EP - EP EXERCISE INSPECTION		4
1	04/02/2018	04/06/2018	IP 7111401	Exercise Evaluation	
			7111121N - EQ PROGRAM		2
1	03/19/2018	03/23/2018	IP 7111121N	Design Bases Assurance Inspection (Programs)	
1	04/02/2018	04/06/2018	IP 7111121N	Design Bases Assurance Inspection (Programs)	
			71124 - HP		1
1	03/26/2018	03/30/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/26/2018	03/30/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1	03/26/2018	03/30/2018	IP 71124.04	Occupational Dose Assessment	
			HEAT - TRIENNIAL HEAT SINK		2
1	06/04/2018	06/08/2018	IP 7111107T	Heat Sink Performance	
			71124 - HP		1
1	06/11/2018	06/15/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	06/11/2018	06/15/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1	06/11/2018	06/15/2018	IP 71124.05	Radiation Monitoring Instrumentation	

This report does not include INPO and OUTAGE activities.
 This report shows only on-site and announced inspection procedures.

Seabrook
Inspection / Activity Plan
08/29/2017 - 06/30/2019

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			711117T - 50.59 PROCESS		3
1	06/18/2018	06/22/2018	IP 711117T	Evaluations of Changes, Tests, and Experiments	
			71152B - PI&R BIENNIAL		1
1	07/23/2018	07/27/2018	IP 71152B	Problem Identification and Resolution	
1	08/06/2018	08/10/2018	IP 71152B	Problem Identification and Resolution	
			71124.08 - RADWASTE		1
1	08/20/2018	08/24/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			U1 ISI - UNIT 1 INSERVICE INSPECTION		2
1	10/08/2018	10/19/2018	IP 7111108P	Inservice Inspection Activities - PWR	
			71124 - HP		1
1	10/15/2018	10/19/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/15/2018	10/19/2018	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/15/2018	10/19/2018	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	10/15/2018	10/19/2018	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			EP - EP PROGRAM INSPECTION		2
1	04/08/2019	04/12/2019	IP 7111402	Alert and Notification System Testing	
1	04/08/2019	04/12/2019	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	04/08/2019	04/12/2019	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	04/08/2019	04/12/2019	IP 71151	Performance Indicator Verification	
			71124.06 - RAD SAFETY RETS		1
1	04/08/2019	04/12/2019	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
			DBAI-T - DESIGN BASES ASSURANCE INSP - TEAMS		6
1	04/15/2019	04/19/2019	IP 7111121M	Design Bases Assurance Inspection (Teams)	
1	04/29/2019	05/03/2019	IP 7111121M	Design Bases Assurance Inspection (Teams)	
			71124 - RAD SAFETY 01,02,03,04		1
1	05/20/2019	05/24/2019	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/20/2019	05/24/2019	IP 71124.02	Occupational ALARA Planning and Controls	
1	05/20/2019	05/24/2019	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/20/2019	05/24/2019	IP 71124.04	Occupational Dose Assessment	
			71124.07 - RAD SAFETY REMP		1
1	06/17/2019	06/21/2019	IP 71124.07	Radiological Environmental Monitoring Program	

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