



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

September 3, 2013

Mr. Kevin Walsh, Site Vice President  
Seabrook Nuclear Power Plant  
NextEra Energy Seabrook, LLC  
c/o Mr. Michael Ossing  
P. O. Box 300  
Seabrook, NH 03874

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN –  
SEABROOK STATION, UNIT NO. 1 (REPORT 05000443/2013006)**

Dear Mr. Walsh:

On August 14, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Seabrook Station, Unit No. 1 (Seabrook). The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from July 1, 2012 through June 30, 2013. 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 determined the performance at Seabrook during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). On January 24, 2013, the NRC completed a supplemental inspection for a White finding that involved the failure of Seabrook Station personnel to adequately critique the performance of an evaluated emergency preparedness exercise and determined that Seabrook appropriately addressed the root and contributing causes, extent of condition and corrective actions. The White finding was removed from the assessment process resulting in Seabrook transitioning from the Regulatory Response Column to the Licensee Response Column of the NRC's Action Matrix. Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The NRC acknowledged your satisfactory completion of all of the commitments in Confirmatory Action Letter (CAL) 1-12-002, regarding the Alkali-Silica Reaction (ASR) concrete issues in NRC Inspection Report 05000443/2012009 (ML12338A283) dated December 3, 2012, and NRC Inspection Report 05000443/2012010 (ML13221A172) dated August 9, 2013. Based on completion of our review of your CAL commitments and the determination that NextEra's methods for assessing operability of ASR-affected reinforced concrete structures were reasonable and generally comprehensive, the NRC has determined that the exit criteria contained in the September 5, 2012, Deviation Memorandum (ML12242A370) regarding Seabrook ASR evaluation activities, have been met and our overall level of inspection oversight will return to those described in the ROP baseline inspection program.

While our review of the CAL items is complete, the NRC plans to continue to provide focused oversight of NextEra's testing being conducted at the Ferguson Structural Engineering Laboratory at the University of Texas - Austin and your assessment of ASR progression in Seabrook concrete structures. Our inspection activities will be conducted using our annual follow-up of selected Problem Identification and Resolution samples. While tentative dates for these inspections are included in the attached inspection schedule, we understand that your testing schedule is subject to change and we will coordinate closely with your ASR project management staff to select the most advantageous opportunities to observe your activities.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to baseline inspections, the NRC will perform Temporary Instruction 2515/182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks" and Inspection Procedure (IP) 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants." The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. 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 security-related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Section 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 the NRC's Agencywide Documents Access and Management 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 Glenn Dentel at 610-337-5233 with any questions you have regarding this letter.

Sincerely,

**/RA/**

Darrell J. Roberts, Director  
Division of Reactor Projects

Docket Nos.: 50-443  
License Nos.: NPF-86

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

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DOC NAME: S:\ROP ASSESSMENT MEETINGS ARCHIVE\ROP-14 MID-CYCLE REVIEW\BRANCH 3\ROP-14 MID-CYCLE LETTER SEABROOK REV final.docx  
 ADAMS Accession No.: ML13246A107

<input checked="" type="checkbox"/> <b>SUNSI Review</b>		<input checked="" type="checkbox"/> <b>Non-Sensitive</b> <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> <b>Publicly Available</b> <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRP	RI/DRP	RI/DRP	RI/DRP	
NAME	PCataldo/PC via email	MDraxton/MD	GDentel/ GTD	DRoberts/ DJR	
DATE	08/28 /13	08/ 28 /13	08/28/13	09/02 /13	

**Seabrook**  
**Inspection / Activity Plan**  
**07/01/2013 - 12/31/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>EXM 7/16 - SEABROOK INITIAL EXAM</b>		<b>5</b>
1	07/15/2013	07/20/2013	U01870	FY13-SEABROOK INITIAL OPERATOR LICENSING EXAM	
			<b>EP PROGR - EP PROGRAM INSPECTION</b>		<b>1</b>
1	07/15/2013	07/19/2013	IP 7111402	Alert and Notification System Testing	
1	07/15/2013	07/19/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	07/15/2013	07/19/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>71124 - REMP</b>		<b>1</b>
1	07/22/2013	07/26/2013	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>ISFSI - ISFSI LOADING INSPECTION</b>		<b>4</b>
1	08/05/2013	08/09/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>7111111B - SEABROOK REQUAL INSP WITH P/F RESULTS</b>		<b>2</b>
1	10/28/2013	11/01/2013	IP 7111111B	Licensed Operator Requalification Program	
			<b>ASR - PI&amp;R SAMPLE - ASR MONITORING</b>		<b>2</b>
1	09/23/2013	09/27/2013	IP 71152	Problem Identification and Resolution	
			<b>71151 - HP PI VERIFICATION</b>		<b>1</b>
1	12/02/2013	12/02/2013	IP 71151	Performance Indicator Verification	
			<b>ASR - PI&amp;R SAMPLE - ASR MONITORING</b>		<b>2</b>
1	02/10/2014	02/14/2014	IP 71152	Problem Identification and Resolution	
			<b>71124 - RAD HAZARD &amp; ALARA</b>		<b>1</b>
1	03/03/2014	03/07/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/03/2014	03/07/2014	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>TI 182 - DEGRAD UNDERGROUND PIPING - PHASE 2</b>		<b>1</b>
1	03/17/2014	03/21/2014	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			<b>7111108P - INSERVICE INSPECTION</b>		<b>1</b>
1	04/07/2014	04/18/2014	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71124 - HP INSPECTION IP 71124.01, 02, 03 &amp; 04</b>		<b>1</b>
1	04/14/2014	04/18/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/14/2014	04/18/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/14/2014	04/18/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/14/2014	04/18/2014	IP 71124.04	Occupational Dose Assessment	
			<b>TRI FI - TRIENNIAL FIRE PROTECTION</b>		<b>7</b>
1	06/23/2014	06/27/2014	IP 7111105T	Fire Protection [Triennial]	
1	07/07/2014	07/11/2014	IP 7111105T	Fire Protection [Triennial]	

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

**Seabrook**  
**Inspection / Activity Plan**  
**07/01/2013 - 12/31/2014**

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	Start	End			
			<b>71152B - PI&amp;R BIENNIAL</b>		<b>1</b>
1	08/04/2014	08/09/2014	IP 71152B	Problem Identification and Resolution	
1	08/18/2014	08/23/2014	IP 71152B	Problem Identification and Resolution	
			<b>71124.05 - HP INSPECTION RAD INSTRUMENTATION</b>		<b>1</b>
1	08/11/2014	08/15/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>ASR - PI&amp;R SAMPLE - ASR MONITORING</b>		<b>2</b>
1	08/11/2014	08/15/2014	IP 71152	Problem Identification and Resolution	
			<b>71124.08 - RADWASTE</b>		<b>1</b>
1	08/18/2014	08/22/2014	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>EP EXER - EP EXERCISE INSPECTION</b>		<b>1</b>
1	11/03/2014	11/07/2014	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	

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