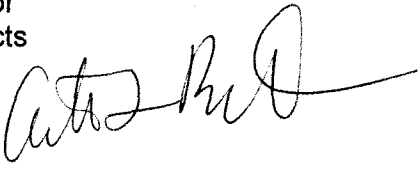




UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 9, 2011

MEMORANDUM TO: Darrell J. Roberts, Director
Division of Reactor Projects

FROM: Arthur L. Burritt, Chief
Projects Branch 3 

SUBJECT: Summary of Nextera Energy Drop-in Visit

On November 14, 2011, Mr. Joe Jensen, Vice President North Region, Mr. Paul Freeman, Seabrook Station Site Vice President, Mr. Larry Nicholson, Fleet Licensing Director, and Mr. Mike O'Keefe, Seabrook Station Licensing Manager, all representing Nextera Energy, met with the Regional Administrator and members of the Region I staff at the NRC offices in King of Prussia, PA. Nextera Energy requested the meeting to provide a general update on the status of Seabrook.

During the meeting, the following topics were discussed:

1. Fleet Focus Areas
2. Fukushima Response
3. Station Performance Update
4. Service Water System
5. Operability Determinations
6. Alkali Silica Reaction (ASR)

The meeting began at 1:00 p.m. and ended at 2:45 p.m. No regulatory decisions were requested or made during the meeting and there were no commitments for any follow-up actions on the part of Region. The slides used by Nextera Energy to conduct the briefing are enclosed with this memorandum.

Enclosure: As stated

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Distribution: via e-mail

Roberts, D., DRP
 Ayres, D., DRP
 Burritt, A., DRP
 Cline, L., DRP
 Turilin, A., DRP

Montgomery, R., DRP
 Raymond, W., SRI, DRP
 Johnson, J., RI, DRP
 Cass, A., OA, DRP

SUNSI Review Complete: ABU (Reviewer's Initials)

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DATE	12/9/11	12/9/11	12/9/11

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NRC Region I Management Meeting

November 14, 2011

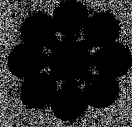
Next Era Energy Seabrook

- **Joe Jensen – Vice President North Region**
- **Paul Freeman – Seabrook Station Site Vice President**
- **Larry Nicholson – Fleet Licensing Director**
- **Mike O’Keefe – Seabrook Station Licensing Manager**

Agenda

- **Fleet Focus – Joe Jensen**
- **Fukushima – Joe Jensen**
- **Station Performance – Paul Freeman**
- **Service Water System – Paul Freeman**
- **Operability Determinations – Paul Freeman**
- **ASR – Paul Freeman**

Fleet Focus Areas



Nuclear Excellence Model

We are a team that delivers consistent excellent performance

We will produce energy in a safe, reliable, cost effective way, while caring for our employees, communities and the environment

Operational Excellence	Operational Focus	Engaged Employees	Operational Excellence	Engaged Leaders	Standardized Processes	Responsive to Stakeholders	Effective Workforce Planning
Operational Excellence	Operational Focus	Engaged Employees	Operational Excellence	Engaged Leaders	Standardized Processes	Responsive to Stakeholders	Effective Workforce Planning
Operational Excellence	Operational Focus	Engaged Employees	Operational Excellence	Engaged Leaders	Standardized Processes	Responsive to Stakeholders	Effective Workforce Planning

Conduct all activities to demonstrate a deep respect for Nuclear Safety

Live the Safety Guiding Principles

Be a Self-Improving Culture & Learning Organization

Maximize the time spent on Prevention and Detection to minimize / eliminate Correction activities

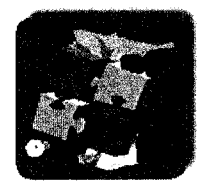
Foster a work environment where we are the employer of choice

Core Principles

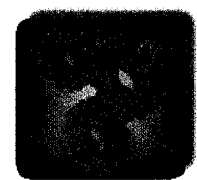
Operational Excellence



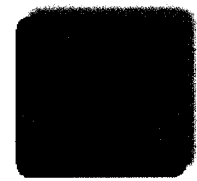
Organizational Effectiveness



Generation Reliability



Effective Business & Financial Performance



Strategic Focus Areas



Fleet Focus Areas

- **Fleet Priorities**
 - Equipment Reliability
 - Organizational Effectiveness
 - Work Quality

Fukushima Response

- **Immediate actions taken**
 - Established a corporate command center
 - Validated capability to implement all severe accident management strategies through field and tabletop activities
- **Ongoing actions**
 - Senior manager assigned as project lead
 - Industry engagement
 - Assessments
 - Local government involvement
 - Fleet messages

Station Performance Update

- **Plant Status**
- **Forced Outage**
- **Regulatory/External Stakeholders**
 - Force on Force Inspection
 - INPO
 - License Renewal
- **Organizational Changes**

Service Water System

Degraded concrete and plastisol lined pipe discovered during outages

- **Concrete lined pipe**
 - Previous philosophy was inspect and repair
 - Repairs to the SW piping were not trended or analyzed in the aggregate to determine specific causes or to make changes to the maintenance strategy.
- **Causal analysis being done for degraded plastisol lined pipe**

Service Water Corrective Actions

- **Develop an inspection plan for the SW piping that incorporates turbulent flow considerations as well as repair history**
- **Utilize the System Health Reports to communicate and track post outage inspection results and actions**
- **Plastisol lined pipe replacement planned for OR15 (October 2012)**
- **Evaluations being done for buried pipe options (replacement or re-lining)**

Operability Determinations

- **Recent instances where station personnel failed to promptly or thoroughly evaluate operability for degraded conditions**
- **Apparent causes are:**
 - Personnel believed they needed finalized analysis before initiating an AR to start the OD process
 - Inadequate information on expected flow values
 - Failure to thoroughly evaluate the degraded condition

OD Corrective Actions

- **Reinforce operability determination requirements with Station personnel**
- **Incorporate normal operating parameters into procedures**
- **Issued guidance to the Engineering Department to document engineering judgment thinking in Operability Determinations**
- **Performing a Fleet common cause assessment on recent Fleet operability determination issues**

Alkali Silica Reaction (ASR)

- **An action plan has been developed for inspection and analysis of structures susceptible to ASR**
- **MPR Associates and SG&H have been retained to assist with ASR management**
- **Schedules for completion of these activities have been established and are on track.**

Current Focus/Perspective

- **Material condition upgrades**
- **Administrative process/program knowledge and application**
- **Workforce planning and demographics**
- **Safety Culture**