

August 30, 2004

Mr. Mark E. Warner
Site Vice President
c/o Mr. James M. Peschel
FPL Energy Seabrook, LLC
Seabrook Station
P.O. Box 300
Seabrook, NH 03874

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
SEABROOK STATION

Dear Mr. Warner:

On August 4, 2004, the NRC staff completed its mid-cycle plant performance assessment of Seabrook Station. The mid-cycle review for Seabrook involved the participation of all technical divisions in evaluating performance for the first half of the calendar year 2004 assessment cycle. The process included a review of performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities. This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Proprietary Information in accordance with 10 CFR 2.390(d)(1)" will include the physical protection review and resultant inspection plan.

Plant performance for the most recent quarter was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). While plant performance for the most recent quarter was within the Licensee Response Column of the Action Matrix, there was one White PI during the fourth quarter of 2003 in the Barrier Integrity cornerstone. The PI for Reactor Coolant System (RCS) Leakage exceeded the Green/White threshold due to a reactor coolant system flow instrument leak that occurred on November 11, 2003. The PI returned to the Green band of the NRC's Action Matrix in the first quarter of 2004. In response to the White PI, the NRC staff conducted a Supplemental Inspection during the second quarter of 2004 and concluded that you properly assessed the extent of condition, determined the primary and contributing causes of the failure, and identified corrective actions to address the root and contributing causes. However, the staff identified one aspect of the corrective actions that was not timely implemented and issued a very low safety significance (Green) finding. We plan to conduct only reactor oversight process (ROP) baseline inspections at your facility through March 31, 2006.

The significance of an apparent violation involving the failure to properly implement 10 CFR 50.59 for a change to the Seabrook Updated Final Safety Analysis Report (FSAR) is still under review. Since the change involved more than a minimal increase in the frequency of occurrence and the consequences of an accident previously evaluated in the Seabrook FSAR, the change required prior NRC approval, but approval was not requested. The NRC has not made a final determination in this matter, therefore, no Notice of Violation has been issued at this time.

The enclosed inspection plan details the inspections scheduled through March 31, 2006. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5200 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Ronald R. Bellamy, Chief
Projects Branch 6
Division of Reactor Projects

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

Enclosure: Seabrook Inspection/Activity Plan

cc w/encl:

J. A. Stall, FPL Senior Vice President, Nuclear & CNO

J. M. Peschel, Manager - Licensing

G. F. St. Pierre, Station Director - Seabrook Station

R. S. Kundalkar, FPL Vice President - Nuclear Engineering

D. G. Roy, Nuclear Training Manager - Seabrook Station

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B. Cheney, Director, Bureau of Emergency Management

C. McCombs, Acting Director, MEMA

Administrator, Bureau of Radiological Health, State of New Hampshire

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R. Backus, Esquire, Backus, Meyer and Solomon, New Hampshire

Town of Exeter

Board of Selectmen

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R. Shadis, New England Coalition Staff

M. Metcalf, Seacoast Anti-Pollution League

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Seabrook
Inspection / Activity Plan
07/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	7112201	- PUB RAD SAFETY - RETS	1			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		07/12/2004	07/16/2004	Baseline Inspections
	7112202	- PUB RAD SAFETY - RADWASTE	1			
1	IP 7112202	Radioactive Material Processing and Transportation		08/30/2004	09/03/2004	Baseline Inspections
	7111401	- EXERCISE EVALUATION & EP PI VERIFICATION	6			
1	IP 7111401	Exercise Evaluation		11/15/2004	11/19/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/15/2004	11/19/2004	Baseline Inspections
	71152B	- PROBLEM IDENTIFICATION AND RESOLUTION	5			
1	IP 71152B	Identification and Resolution of Problems		11/29/2004	12/03/2004	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		12/13/2004	12/17/2004	Baseline Inspections
	7112103	- OCC RAD SAFETY - INSTRUMENTS	1			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/29/2004	12/03/2004	Baseline Inspections
	1/31 EXM	- OPERATOR LICENSING INITIAL EXAM	4			
1	U01539	SEABROOK INITIAL EXAM (3/21-25/05)		12/20/2004	12/24/2004	Not Applicable
1	U01539	SEABROOK INITIAL EXAM (3/21-25/05)		01/31/2005	02/04/2005	Not Applicable
	7112102	- OCC RAD SAFETY - ALARA	1			
1	IP 7112102	ALARA Planning and Controls		12/20/2004	12/24/2004	Baseline Inspections
	PIR SAMP	- PIR SAMPLE ON SIM TESTING & PROC ADHER	3			
1	IP 71152	Identification and Resolution of Problems		12/20/2004	12/24/2004	Baseline Inspections
	7111121	- SSDI	7			
1	IP 7111121	Safety System Design and Performance Capability		01/10/2005	01/14/2005	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		01/24/2005	01/28/2005	Baseline Inspections
	7112101	- OCC RAD SAFETY - ACCESS	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/17/2005	01/21/2005	Baseline Inspections
	7111108P	- INSERVICE INSPECTION	2			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02)		04/04/2005	04/04/2005	Safety Issues
1	IP 7111108P	Inservice Inspection Activities - PWR		04/04/2005	04/04/2005	Baseline Inspections
	7112102	- OCC RAD SAFETY - ALARA	1			
1	IP 7112102	ALARA Planning and Controls		04/04/2005	04/08/2005	Baseline Inspections
	7111112B	- MAINTENANCE RULE	1			
1	IP 7111112B	Maintenance Effectiveness		06/13/2005	06/17/2005	Baseline Inspections
	7111107B	- HEAT SINK	2			
1	IP 7111107B	Heat Sink Performance		06/20/2005	06/24/2005	Baseline Inspections
	71111.05	- TRIENNIAL FIRE PROTECTION INSPECTION	3			
1	IP 7111105T	Fire Protection		07/11/2005	07/15/2005	Baseline Inspections

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

Seabrook
Inspection / Activity Plan
07/01/2004 - 03/31/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	71111.05	- TRIENNIAL FIRE PROTECTION INSPECTION	3			
1	IP 7111105T	Fire Protection		07/25/2005	07/29/2005	Baseline Inspections
	71114	- EP PROGRAM & EP PI INSPECTION	1			
1	IP 7111402	Alert and Notification System Testing		09/12/2005	09/16/2005	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		09/12/2005	09/16/2005	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		09/12/2005	09/16/2005	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		09/12/2005	09/16/2005	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/12/2005	09/16/2005	Baseline Inspections
	7111111B	- LO REQUAL PROGRAM INSPECTION	2			
1	IP 7111111B	Licensed Operator Requalification Program		12/05/2005	12/09/2005	Baseline Inspections
	7112203	- PUB RAD SAFETY - REMP	1			
1	IP 7112203	Radiological Environmental Monitoring Program		12/19/2005	12/23/2005	Baseline Inspections
	MODS	- MODS & 50.59	3			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		03/13/2006	03/17/2006	Baseline Inspections
1	IP 7111117B	Permanent Plant Modifications		03/13/2006	03/17/2006	Baseline Inspections
	7112101	- OCC RAD SAFETY - ACCESS	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/27/2006	03/31/2006	Baseline Inspections