

March 3, 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: ANNUAL ASSESSMENT LETTER - SEABROOK STATION
(REPORT NO. 05000443/2004001)

Dear Mr. Warner:

On February 5, 2004, the NRC staff completed its end-of-cycle plant performance assessment of Seabrook Station. The end-of-cycle review involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2003. 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.

Overall, Seabrook Station operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Regulatory Response Column of the NRC's Action Matrix, based on the White Reactor Coolant System Leakage PI in the Barrier Cornerstone. The PI exceeded the Green/White threshold as the result of a reactor coolant system flow instrument leak that occurred on November 11, 2003. The leak was terminated early the next day when plant operators closed valves isolating the leak. We are planning to conduct a Supplemental Inspection (Inspection Procedure 95001) starting on May 10, 2004, to review your corrective actions related to this PI. While plant performance for the most recent quarter is within the Regulatory Response Column of the Action Matrix, plant performance was in the Licensee Response Column of the NRC's Action Matrix during the first three quarters of this assessment period.

The enclosed inspection plan details the inspections scheduled through September 30, 2005. 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 six months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

As you are aware, the NRC has issued several Orders and threat advisories to enhance security capabilities and improve guard force readiness since the terrorist attacks on September 11, 2001. We have conducted inspections to review your implementation of these requirements and have monitored your actions in response to changing threat conditions. For calendar year 2004, we plan to continue inspections of order implementation combined with newly developed portions of the security baseline inspection program.

In accordance with 10 CFR 2.790 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 Mr. James Trapp, Chief, Reactor Projects Branch 6, at (610) 337-5186 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

A. Randolph Blough, Director
Division of Reactor Projects

Docket No. 50-443
License No. NPF-86

Enclosure: Seabrook Station 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
J. Devine, Polestar Applied Technology
B. Cheney, Director, Bureau of Emergency Management
C. McCombs, Acting Director, MEMA
R. Backus, Esquire, Backus, Meyer and Solomon, New Hampshire
R. Walker, Director, Dept. of Public Health, Commonwealth of Massachusetts
M. Metcalf, Seacoast Anti-Pollution League
Administrator, Bureau of Radiological Health, State of New Hampshire
S. Comley, Executive Director, We the People of the United States
W. Meinert, Nuclear Engineer, Massachusetts Municipal Wholesale Electric company
R. Shadis, New England Coalition Staff
P. Brann, Assistant Attorney General
M. S. Ross, Attorney, Florida Power & Light Company
Office of the Attorney General
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NAME	KJeni son/KMJ	JTrapp/JMT	ABl ough/ARB		
DATE	03/02/04	02/27/04	03/02/04		

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Seabrook
Inspection / Activity Plan
01/01/2004 - 09/30/2005

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	EFG ST	- EFG PILOT INSPECTION	8			
1	IP 71111.EP	Equipment Availability and Functional Capability		01/01/2004	03/31/2004	Baseline Inspections
1	IP 71111.ST	Post-Maintenance and Surveillance Testing		01/01/2004	03/31/2004	Baseline Inspections
	711117B	- MODS & 50.59	4			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		01/12/2004	01/16/2004	Baseline Inspections
1	IP 711117B	Permanent Plant Modifications		01/12/2004	01/16/2004	Baseline Inspections
	95001	- WHITE PI - RCS LEAKAGE	1			
1	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		05/10/2004	05/14/2004	Supplemental Program
	7112101	- OCC RAD SAFETY - ACCESS	1			
1	IP 7112101	Access Control to Radiologically Significant Areas		05/17/2004	05/21/2004	Baseline Inspections
	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		08/02/2004	08/06/2004	Baseline Inspections
	7112102	- OCC RAD SAFETY - ALARA	1			
1	IP 7112102	ALARA Planning and Controls		09/13/2004	09/17/2004	Baseline Inspections
	71130	- SECURITY	2			
1	IP 7113001	Access Authorization		10/11/2004	10/15/2004	Baseline Inspections
1	IP 7113002	Access Control		10/11/2004	10/15/2004	Baseline Inspections
1	IP 7113008	Fitness For Duty Program		10/11/2004	10/15/2004	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/11/2004	10/15/2004	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
	7112103	- OCC RAD SAFETY	1			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/15/2004	11/19/2004	Baseline Inspections
	71152B	- PROBLEM IDENTIFICATION AND RESOLUTION	4			
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
	1/31 EXM	- OPERATOR LICENSING INITIAL EXAM	3			
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
	7111121	- SSDI	6			
1	IP 7111121	Safety System Design and Performance Capability		01/10/2005	01/14/2005	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
01/01/2004 - 09/30/2005

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	7111121 - SSDI		6			
1	IP 7111121	Safety System Design and Performance Capability		01/24/2005	01/28/2005	Baseline Inspections
	7111108P - INSERVICE INSPECTION		1			
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
	7111107B - HEAT SINK		1			
1	IP 7111107B	Heat Sink Performance		05/16/2005	05/20/2005	Baseline Inspections
	7112101 - OCC RAD SAFETY - ACCESS		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		06/06/2005	06/10/2005	Baseline Inspections
	7111112B - MAINTENANCE RULE		1			
1	IP 7111112B	Maintenance Effectiveness		06/13/2005	06/17/2005	Baseline Inspections
	71111.05 - TRIENNIAL FIRE PROTECTION INSPECTION		1			
1	IP 7111105T	Fire Protection		07/11/2005	07/15/2005	Baseline Inspections
	7112102 - OCC RAD SAFETY - ALARA		1			
1	IP 7112102	ALARA Planning and Controls		07/18/2005	07/22/2005	Baseline Inspections
	71111.05 - TRIENNIAL FIRE PROTECTION INSPECTION		1			
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 711151	Performance Indicator Verification		09/12/2005	09/16/2005	Baseline Inspections
	7112203 - PUB RAD SAFETY - REMP		1			
1	IP 7112203	Radiological Environmental Monitoring Program		09/26/2005	09/30/2005	Baseline Inspections