



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

March 2, 2005

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

SUBJECT: Annual Assessment Letter - Seabrook Nuclear Generating Station
(Report 05000443/2005001)

Dear Mr. Warner:

On February 7, 2005, the NRC staff completed its end-of-cycle plant performance assessment of FPL Seabrook. The end-of-cycle review for Seabrook involved the participation of the reactor technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2004. 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 end-of-cycle performance review letter, designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390," will include the physical protection review and resultant inspection plan.

Overall, Seabrook operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, 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). Therefore, we plan to conduct only reactor oversight process (ROP) baseline inspections at your facility through September 30, 2006.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through September 30, 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 nine months of the inspection plan are tentative and may be revised at the mid-cycle review meeting.

Mr. Mark E. Warner

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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) 337-5120 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Paul Krohn, Chief
Reactor Projects Branch 6
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

Office of the Attorney General, Commonwealth of Massachusetts

P. McLaughlin, Attorney General, State of New Hampshire

P. Brann, Assistant Attorney General, State of Maine

M. S. Ross, Attorney, Florida Power & Light Company

R. Walker, Director, Dept. of Public Health, Commonwealth of Massachusetts

B. Cheney, Director, Bureau of Emergency Management

C. McCombs, Acting Director, MEMA

Health Physicist, Office of Community & Public Health, State of New Hampshire

Administrator, Bureau of Radiological Health, State of New Hampshire

W. Meinert, Nuclear Engineer, Massachusetts Municipal Wholesale Electric company

T. Crimmins, Polestar Applied Technology

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

Town of Exeter

Board of Selectmen

S. Comley, Executive Director, We the People of the United States

R. Shadis, New England Coalition Staff

M. Metcalf, Seacoast Anti-Pollution League

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SISP Review Complete: KMJ (Reviewer's Initials)

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NAME	KJenison/ <i>KMJ</i>						
DATE	03/01/05		03/ /05				

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Seabrook
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	7111108P - INSERVICE INSPECTION		1			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02		04/04/2005	04/08/2005	Safety Issues
1	IP 2515/160	Pzr Pene Nozzles & Stm Space Piping Connections in U.S. PWRs [NRC Bulletin 2004-01]		04/04/2005	04/08/2005	Safety Issues
	7112102 - OCC RAD SAFETY - ALARA		1			
1	IP 7112102	ALARA Planning and Controls		04/04/2005	04/08/2005	Baseline Inspections
	7111108P - INSERVICE INSPECTION		1			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/25/2005	04/29/2005	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
	TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION		3			
1	IP 7111105T	Fire Protection		07/11/2005	07/15/2005	Baseline Inspections
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 INPSECTION		3			
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
	7112101 - OCC RAD SAFETY - ACCESS		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/17/2006	01/20/2006	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
	7111401 - EXERCISE EVALUATION & EP PI VERIFICATOIN		2			
1	IP 7111401	Exercise Evaluation		04/10/2006	04/14/2006	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/10/2006	04/14/2006	Baseline Inspections
	7112202 - PUB RAD SAFETY - RADWASTE		1			
1	IP 7112202	Radioactive Material Processing and Transportation		05/15/2006	05/19/2006	Baseline Inspections

Seabrook
Inspection / Activity Plan
03/01/2005 - 09/30/2006

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	71152B - PI&R		4			
1	IP 71152B	Identification and Resolution of Problems		08/07/2006	08/11/2006	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		08/21/2006	08/25/2006	Baseline Inspections
	7112103 - OCC RAD SAFETY - INSTRUMENTS		1			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/05/2006	09/08/2006	Baseline Inspections