



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

August 31, 2006

Mr. Gene St. Pierre
Site Vice President
FPL Energy Seabrook, LLC
Seabrook Station
c/o Mr. James M. Peschel
P.O. Box 300
Seabrook, NH 03874

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

Dear Mr. St. Pierre:

On August 8, 2006, the NRC staff completed its performance review of Seabrook Nuclear Power Station for the first half of the calendar year 2006 assessment cycle. Our technical staff reviewed 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.

This performance review and enclosed inspection plan do not include physical protection information. A separate 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. Although security assessment letters from Seabrook and other plants are not made public, NRC did issue a press release on July 27, 2006, indicating that the NRC had issued a finding of low-to-moderate significance and a fine for two security-related violations at Seabrook.

Plant performance for the most recent quarter at Seabrook Nuclear Power Station was within the Licensee Response column of the NRC's Action Matrix, based on all non-security 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 reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well 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 end-of-cycle review.

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

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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 the 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 G. Krohn, Chief
Reactor Projects Branch 6
Division of Reactor Projects

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

Enclosure: Seabrook Nuclear Power Station Inspection/Activity Plan

cc w/encl:

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DATE	08/11/2006		08/31/2006		08/31/2006		

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Seabrook
Inspection / Activity Plan
07/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	TI-169 - MSPI VERIFICATION		2			
1	IP 2515/169	Mitigating Systems Performance Index Verification		09/11/2006	09/15/2006	Safety Issues
	7111108P - INSERVICE INSPECTION		1			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC ORDER EA-03		10/02/2006	10/20/2006	Safety Issues
1	IP 7111108P	Inservice Inspection Activities - PWR		10/02/2006	10/20/2006	Baseline Inspections
	7112102 - OCC RAD SAFETY - ALARA		1			
1	IP 7112102	ALARA Planning and Controls		10/23/2006	10/27/2006	Baseline Inspections
	71152B - PI&R		4			
1	IP 71152B	Identification and Resolution of Problems		11/27/2006	12/01/2006	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		12/04/2006	12/08/2006	Baseline Inspections
	7112101 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/29/2007	02/02/2007	Baseline Inspections
	7111121 - CDBI (COMPONENT DESIGN BASES INSPECTION)		6			
1	IP 7111121	Component Design Bases Inspection		03/19/2007	03/23/2007	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		04/02/2007	04/06/2007	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		04/16/2007	04/20/2007	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		04/23/2007	04/27/2007	Baseline Inspections
	7112201 - PUB RAD SAFETY - RETS		1			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		04/09/2007	04/13/2007	Baseline Inspections
	7111107 - HEAT SINK INSP		2			
1	IP 7111107B	Heat Sink Performance		05/14/2007	05/18/2007	Baseline Inspections
	7/09+EXM - LICENSED OPERATOR INITIAL EXAMS		4			
1	U01666	FY07-SEABROOK INITIAL OPERATOR EXAM		06/11/2007	06/15/2007	Not Applicable
1	U01666	FY07-SEABROOK INITIAL OPERATOR EXAM		07/09/2007	07/13/2007	Not Applicable
	71114 - EP PRGM INSP		1			
1	IP 7111402	Alert and Notification System Testing		08/27/2007	08/31/2007	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		08/27/2007	08/31/2007	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		08/27/2007	08/31/2007	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		08/27/2007	08/31/2007	Baseline Inspections
1	IP 71151-EP01	Drill/Exercise Performance		08/27/2007	08/31/2007	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		08/27/2007	08/31/2007	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		08/27/2007	08/31/2007	Baseline Inspections
	7111111B - L.O. REQUAL. PROG. + P/F REVIEW		3			
1	IP 7111111B	Licensed Operator Requalification Program		11/26/2007	11/30/2007	Baseline Inspections
1	IP 7111111B	Licensed Operator Requalification Program		12/03/2007	12/07/2007	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
07/01/2006 - 03/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	7112203 - PUB RAD SAFETY - REMP		1			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		09/03/2007	09/07/2007	Baseline Inspections
	7112102 - OCC RAD SAFETY - ALARA		1			
1	IP 7112102	ALARA Planning and Controls		12/03/2007	12/07/2007	Baseline Inspections
	7112103 - OCC RAD SAFETY - INSTRUMENTS		1			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/17/2007	12/21/2007	Baseline Inspections
	7112101 - OCC RAD SAFETY - ACCESS		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/28/2008	02/01/2008	Baseline Inspections
	MODS - MODS AND 50.59		4			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		02/04/2008	02/08/2008	Baseline Inspections
1	IP 711117B	Permanent Plant Modifications		02/04/2008	02/08/2008	Baseline Inspections