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

March 3, 2008

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: ANNUAL ASSESSMENT LETTER - SEABROOK STATION
(05000443/2008001)

Dear Mr. St. Pierre:

On February 12, 2008, the NRC staff completed its performance review of Seabrook Station (Seabrook). Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2007. 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 security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the Security cornerstone 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 reactor oversight process (ROP) baseline inspections at your facility. We also plan to conduct inspections to review corrective actions to address alloy 82/182 pressurizer butt welds, containment sump modifications and preoperational testing and operation of your independent spent fuel storage installation.

The enclosed inspection plan details the inspections, less those related to security scheduled through June 30, 2009. 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 mid-cycle review.

In accordance with 10 CFR 2.390 of the NRC=s ARules 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 that cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5069 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Arthur L. Burritt, Chief
Reactor Projects Branch 3
Division of Reactor Projects

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

Enclosure: Seabrook Station Inspection/ Activity Plan

cc w/encl:
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Board of Selectmen, Town of Amesbury
S. Comley, Executive Director, We the People of the United States
R. Shadis, New England Coalition Staff
M. Metcalf, Seacoast Anti-Pollution League
Institute of Nuclear Power Operations (INPO)

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Sincerely,

Arthur L. Burritt, Chief
Reactor Projects Branch 3
Division of Reactor Projects

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OFFICE	RI/DRP		RI/DRP	
NAME	LCline/ LC		ABurritt/ ALB	
DATE	02/ 26/08		02/27/08	

Seabrook
Inspection / Activity Plan
01/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	7112101	**- OCC RAD SAFETY - ACCESS**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/14/2008	01/18/2008	Baseline Inspections
	ISFSI	**- ISFSI INSPECTIONS**	**1**			
1	IP 60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants		01/28/2008	10/31/2008	Other Routine
1	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		01/28/2008	10/31/2008	Other Routine
	7112102	**- OCC RAD SAFETY - ALARA**	**1**			
1	IP 7112102	ALARA Planning and Controls		04/14/2008	04/18/2008	Baseline Inspections
	7111108P	**- INSERVICE INSPECTION**	**1**			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/14/2008	04/18/2008	Baseline Inspections
	TI-172	**- TI-172 RCS DISSIMILIAR METAL WELDS**	**1**			
1	IP 2515/172	Reactor Coolant System Dissimiliar Metal Butt Welds		04/14/2008	04/18/2008	Generic Safety Inspecti
	7111108P	**- INSERVICE INSPECTION**	**1**			
1	IP 7111108P	Inservice Inspection Activities - PWR		04/21/2008	04/25/2008	Baseline Inspections
	TI-166	**- CONTAINMENT SUMP MODIFICATIONS**	**1**			
1	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02]		04/21/2008	04/25/2008	Safety Issues
	TRI FIRE	**- TRIENNIAL FIRE PROTECTION INSPECTION**	**4**			
1	IP 7111105T	Fire Protection [Triennial]		07/14/2008	07/18/2008	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		07/28/2008	08/01/2008	Baseline Inspections
	7112202	**- PUB RAD SAFETY - RADWASTE**	**1**			
1	IP 7112202	Radioactive Material Processing and Transportation		09/29/2008	10/03/2008	Baseline Inspections
	TI 171	**- TI 171**	**3**			
1	IP 2515/171	Verification of Site Specific Implementation Of B.5.b Phase 2 & 3 Mitigating Strategies		10/20/2008	10/24/2008	Generic Safety Inspecti
	7112103	**- OCC RAD SAFETY - INSTRUMENTS**	**1**			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/03/2008	11/07/2008	Baseline Inspections
	EP	**- EP EXERCISE EVALUATION**	**4**			
1	IP 7111401	Exercise Evaluation		11/03/2008	11/07/2008	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		11/03/2008	11/07/2008	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		11/03/2008	11/07/2008	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		11/03/2008	11/07/2008	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		11/03/2008	11/07/2008	Baseline Inspections
	71152B	**- PI&R**	**4**			
1	IP 71152B	Identification and Resolution of Problems		11/17/2008	11/21/2008	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		12/01/2008	12/05/2008	Baseline Inspections
	71121	**- OCC RAD SAFETY**	**1**			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/26/2009	01/30/2009	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
01/01/2008 - 06/30/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	71121	**- OCC RAD SAFETY**	**1**			
1	IP 7112102	ALARA Planning and Controls		01/26/2009	01/30/2009	Baseline Inspections
	6/15EXAM	**- OPERATOR LICENSING INITIAL EXAMS**	**4**			
1	U01759	FY-09 SEABROOK INITIAL OPERATOR LICENSING EXAM		05/11/2009	05/15/2009	Not Applicable
1	U01759	FY-09 SEABROOK INITIAL OPERATOR LICENSING EXAM		06/15/2009	06/26/2009	Not Applicable
	MODS	**- PERMANENT PLANT MODIFICATIONS**	**3**			
1	IP 7111117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications		03/09/2009	03/13/2009	Baseline Inspections
1	IP 7111117B	Evaluations of Changes, Tests, or Experiments & Permanent Plant Modifications		03/23/2009	03/27/2009	Baseline Inspections

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