



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 Start | Planned Dates End | Inspection Type |
|-------------|---|---|----------------------|---------------------|-------------------|----------------------|
| | 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 |

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