

August 26, 2002

Mr. Ted C. Feigenbaum  
Executive Vice President and Chief Nuclear Officer  
Seabrook Station  
North Atlantic Energy Service Corporation  
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. Feigenbaum:

On August 6, 2002, the NRC staff completed its mid-cycle plant performance assessment of Seabrook Station. In accordance with NRC Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," the mid-cycle review involved the participation of all technical divisions in evaluating the performance of Seabrook Station for the first half of the current assessment cycle, January 1 - December 31, 2002. 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 which may conflict with your plant activities.

Plant performance for the most recent quarter 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 Performance Indicators indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct only baseline inspections at your facility through September 30, 2003.

In our Annual Assessment Letter dated March 4, 2002, we advised you of a substantive cross-cutting performance issue in the area of Problem Identification and Resolution. During this assessment period, we noted that your initiatives in this area have resulted in some improvement. However, several findings identified during the twelve-month period of review specified by NRC Inspection Manual Chapter 0305 suggest continued inconsistency in the evaluation of degraded equipment. For example, in the Initiating Events cornerstone, corrective actions were not effective for control rods that had dropped several steps and recurrence of this problem initiated an automatic reactor shutdown in October 2001. In the Mitigating Systems cornerstone, we found that corrective actions for a previous emergency diesel generator failure resulting from air intrusion into the lubricating oil system were not adequate to prevent a second air intrusion problem in April 2002. Effective evaluations and corrective actions are important to reliable performance of risk-significant equipment and systems. We will focus on your progress in addressing this cross-cutting performance issue during our baseline inspection program, which includes the biennial Problem Identification and Resolution team inspection scheduled for September 2002.

Mr. Ted C. Feigenbaum

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The enclosed inspection plan details the inspections scheduled through September 30, 2003. 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 last six months of the inspection plan is tentative and may be revised at the end-of-cycle review.

In addition, the NRC is in the process of finalizing a Temporary Instruction (TI) that will be used to review implementation of the Interim Compensatory Measures required by the Agency's Security Order to all commercial nuclear power plants dated February 25, 2002. Schedules have not yet been finalized, but it is anticipated that these inspections will begin within the next calendar quarter. Once finalized, the details will be communicated by separate correspondence.

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.html> (the 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 Brian McDermott at 610-337-5233 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:

B. D. Kenyon, President and Chief Executive Officer  
J. M. Peschel, Manager - Regulatory Programs  
G. F. St. Pierre, Station Director - Seabrook Station  
D. G. Roy, Nuclear Training Manager - Seabrook Station  
W. J. Quinlan, Esquire, Assistant General Counsel  
D. Bliss, Director, New Hampshire Office of Emergency Management  
D. McElhinney, RAC Chairman, FEMA RI, Boston, Mass  
R. Backus, Esquire, Backus, Meyer and Solomon, New Hampshire  
D. Brown-Couture, Director, Nuclear Safety, Massachusetts Emergency Management Agency  
F. W. Getman, Jr., President and Chief Executive Office, BayCorp Holdings, LTD  
R. Hallisey, Director, Dept. of Public Health, Commonwealth of Massachusetts  
M. Metcalf, Seacoast Anti-Pollution League  
D. Tefft, 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  
S. Allen, Polestar Applied Technology, Incorporated  
R. Shadis, New England Coalition Staff

Mr. Ted C. Feigenbaum

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**Distribution w/encl: (VIA E-MAIL)**

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- V. Nerses, Backup PM, NRR
- B. McDermott, DRP
- K. Jenison, DRP
- J. Brand, RI - Seabrook
- DRS Branch Chief (5)
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DATE	08/23/02	08/23/02	08/26/02			

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**Seabrook**  
**Inspection / Activity Plan**  
**06/30/2002 - 09/30/2003**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>7111105T - FIRE PROTECTION</b>		<b>3</b>			
1	IP 7111105T	Fire Protection		07/08/2002	07/12/2002	Baseline Inspections
1	IP 7111105T	Fire Protection		07/22/2002	07/26/2002	Baseline Inspections
	<b>93812 - SPECIAL INSPECTION TEAM - EDG FAILURE</b>		<b>2</b>			
1	IP 93812	Special Inspection		07/28/2002	08/03/2002	Event Response Insp
	<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>			
1	IP 7112202	Radioactive Material Processing and Transportation		08/05/2002	08/09/2002	Baseline Inspections
	<b>71152B - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>3</b>			
1	IP 71152B	Identification and Resolution of Problems		09/16/2002	09/20/2002	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		09/30/2002	10/04/2002	Baseline Inspections
	<b>71130 - SECURITY-RESPONSE ATT3</b>		<b>3</b>			
1	IP 7113003	Response to Contingency Events (Protective Strategy and Implementation of Protective Strategy)		09/09/2002	09/13/2002	Baseline Inspections
	<b>7111401 - EP EXERCISE &amp; EP PI VERIFICATION</b>		<b>6</b>			
1	IP 7111401	Exercise Evaluation		10/21/2002	10/25/2002	Baseline Inspections
1	IP 71151	Performance Indicator Verification		10/21/2002	10/25/2002	Baseline Inspections
	<b>7112103 - OCC RAD SAFETY - INSTRUMENTATION</b>		<b>1</b>			
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/18/2002	11/22/2002	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/18/2002	11/22/2002	Baseline Inspections
	<b>7111111B - L.O. REQUALIFICATION PROGRAM REVIEW</b>		<b>1</b>			
1	IP 7111111B	Licensed Operator Requalification		12/02/2002	12/04/2002	Baseline Inspections
	<b>7111121 - SSDI</b>		<b>6</b>			
1	IP 7111121	Safety System Design and Performance Capability		02/17/2003	02/21/2003	Baseline Inspections
1	IP 7111121	Safety System Design and Performance Capability		03/03/2003	03/07/2003	Baseline Inspections
	<b>71121.01 - OCC RAD SAFETY - ACCESS</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		03/03/2003	03/07/2003	Baseline Inspections
	<b>7111112B - MAINTENANCE RULE</b>		<b>1</b>			
1	IP 7111112B	Maintenance Effectiveness		03/10/2003	03/14/2003	Baseline Inspections
	<b>6/2 EXM - OPERATOR LICENSING INITIAL EXAMS</b>		<b>6</b>			
1	U01492	SEABROOK INITIAL EXAM (6/2-6/03)		04/28/2003	05/02/2003	Not Applicable
1	U01492	SEABROOK INITIAL EXAM (6/2-6/03)		06/02/2003	06/06/2003	Not Applicable
	<b>7111107B - HEAT SINK</b>		<b>1</b>			
1	IP 7111107B	Heat Sink Performance		06/09/2003	06/13/2003	Baseline Inspections
	<b>71130 - SECURITY</b>		<b>1</b>			
1	IP 7113001	Access Authorization Program (Behavior Observation Only)		06/30/2003	07/03/2003	Baseline Inspections
1	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorization)		06/30/2003	07/03/2003	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**  
**06/30/2002 - 09/30/2003**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>71122.03 - REMP</b>		<b>1</b>			
1	IP 7112203	Radiological Environmental Monitoring Program		08/25/2003	08/29/2003	Baseline Inspections
	<b>71114 - EP PROGRAM INSP &amp; PI VERIFICATION</b>		<b>1</b>			
1	IP 7111402	Alert and Notification System Testing		09/21/2003	09/25/2003	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		09/21/2003	09/25/2003	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		09/21/2003	09/25/2003	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		09/21/2003	09/25/2003	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/21/2003	09/25/2003	Baseline Inspections

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