

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-443/81-04
50-444/81-04
50-443
Docket No. 50-444
CPPR-135
License No. CPPR-136 Priority -- Category A

Licensee: Public Service Company of New Hampshire

1000 Elm Street

Manchester, New Hampshire 03105

Facility Name: Seabrook Station, Units 1 and 2

Meeting at: Seabrook, New Hampshire

Meeting conducted: March 12, 1981

Inspectors: AC Cerne
A.C. Cerne, Sr. Resident Inspector

March 17, 1981
date signed

date signed

date signed

Approved by: E.J. Brunner
E.J. Brunner, Chief, Projects Branch
No. 1, DRPI

4/1/81
date signed

Meeting Summary:

Meeting on March 12, 1981 (Combined Report Nos. 50-443/81-04 and 50-444/81-04)

Scope: Special, announced management meeting to discuss the results of the NRC board convened to evaluate the Licensee's Performance from January 1 to December 31, 1980 as part of the NRC's Systematic Assessment of Licensee Performance (SALP) Program. Areas addressed included: Quality Assurance; Substructure and Foundations; Concrete; Liners; Safety-Related Structures; Piping and Hangers; Safety-Related Components; Electrical Equipment; Electrical; Instrumentation; Fire Protection; Preservice Inspection; Reporting; Environmental; Training; and Management.

Results: A summary of the licensee performance evaluation was presented. Areas of concern were discussed with corporate and site management. No new enforcement actions were identified. A number of areas where improvements were initiated by licensee actions, were identified.

Region I Form 12
(Rev. April 77)

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DETAILS

1. Licensee Attendees

D. N. Merrill, Executive Vice President (PSNH)
W. P. Johnson, Vice President (YAEC)
B. B. Beckley, Manager of Nuclear Projects (PSNH)
W. J. Miller, Quality Assurance Manager (YAEC)
R. P. Pizzuti, Construction Manager (YAEC)
J. DeVincertis, Seabrook Project Manager (YAEC)
J. H. Herrin, Site Manager (PSNH)
G. F. McDonald, Jr., Quality Assurance Engineer (YAEC)
J. W. Singleton, Field Quality Assurance Manager (YAEC)

2. NRC Attendees

B. H. Grier, Director, USNRC, Region I
E. J. Brunner, Chief, Projects Branch No. 1, DRPI, Region I
R. M. Gallo, Chief, Reactor Projects Section No. 1A, DRPI, Region I
A. C. Cerne, Senior Resident Inspector, Seabrook

3. Discussion

A brief summary of the Systematic Assessment of Licensee Performance (SALP) Program was presented to explain the basis and purpose of the evaluation.

The NRC Region I evaluation board meeting was discussed, including the assessment period, performance data and the results of the board's evaluation.

The licensee's overall performance was considered acceptable. The prescribed regional inspection frequency will be decreased in one functional area, due to the performance and quality record in that area. Three areas will receive increased inspection effort by Region I to confirm that corrective actions already initiated are effective. These three areas of concern were identified to corporate and site management.

SYSTEMATIC ASSESSMENT OF LICENSEE PERFORMANCE

SEABROOK STATION

REGION I EVALUATION BOARD MEETING

Facility: Seabrook Station, Units 1 and 2

Licensee: Public Service Company of New Hampshire

Unit Identification:

<u>Docket No.</u>	<u>License No./Date of Issue</u>	<u>Unit No.</u>
50-443	CPPR-135 July 7, 1976	Unit 1
50-444	CPPR-136 July 7, 1976	Unit 2

<u>Reactor Information:</u>	<u>Unit 1</u>	<u>Unit 2</u>
NSSS	Westinghouse	Westinghouse
MWT	3425	3425

Assessment Period: January 1 - December 31, 1980

Evaluation Board Meeting Date: February 13, 1981

Evaluation Board Members:

- J. M. Allan, Deputy Director, Region I
- E. J. Brunner, Chief, RO&NS Branch, Region I
- J. W. Devlin, Acting Chief, Safeguards Branch, Region I
- G. H. Smith, Chief, FF&MS Branch, Region I
- A. W. Dromerick, Licensing Project Manager, NRR
- L. E. Tripp, Acting Chief, RC&ES Branch, Region I

Other NRC Attendees: A. C. Cerne, Senior Resident Inspector, Region I

BASIC PERFORMANCE DATA

SEABROOK STATION
JANUARY 1 - DECEMBER 31, 1980

A. Number and Nature of Noncompliance Items

1. Noncompliance category:	<u>Unit 1</u>	<u>Unit 2</u>
Violations	0	0
Infractions	9+(2)	0+(2)
Deficiencies	0+(3)	0+(3)
Severity V	1	0

2. Areas of Noncompliance:	<u>VIO/INF/DEF/SEV V</u>	<u>VIC/INF/DEF/SEV V</u>
Quality Assurance	0 (1) 0 0	0 (1) 0 0
Concrete	0 1 0 1	0 0 0 0
Liners	0 0 (1) 0	0 0 (1) 0
Safety Related Structures	0 2 0 0	0 0 0 0
Piping and Hangers	0 6 0 0	0 0 0 0
Environmental	0 (1) (2) 0	0 (1) (2) 0

B. Number and Nature of Construction Deficiency Reports

1. Type of Events:	<u>Unit 1</u>	<u>Unit 2</u>
A. Personnel Error	0+(1)	0+(1)
B. Design/Fabrication Error	3	0
C. External Cause	0	0
D. Defective Procedures	0+(1)	0+(1)
E. Component Failure	0+(2)	0+(2)
X. Other	0	0
Total	<u>3+(4)</u>	<u>(4)</u>
Casually-Linked Events: None identified		

2. Of the seven Construction Deficiency Reports submitted during the assessment period, five were reported as potentially reportable. Of these five, four were evaluated by the licensee to be not reportable under 10CFR50.55(e), while the other remains under evaluation.

C. Escalated Enforcement Actions

Civil Penalties
None

Orders
None

Immediate Action Letters

IAL No. 80-55(12/22/80)-Recurrent items of noncompliance in the area of weld repairs performed by the piping subcontractor (Pullman-Higgins). Stop work order on weld repairs issued by licensee.

D. Management Conferences Held During Past Twelve Months

No enforcement related meetings with licensee management were conducted during the assessment period; however, the following management conferences were held:

- February 6, 1980 - a meeting was held at the Seabrook site at NRC request to discuss details related to the establishment of the Resident Inspector office and program.
- July 3, 1980 - a routine meeting held with licensee management at the Seabrook site at NRC request to discuss construction status, Construction Deficiency Reporting, the NRC enforcement policy, resident inspection and independent measurement programs, SALP, and the licensee implementation of the Seabrook QA program.

Recent inspection findings at Seabrook were discussed during the July meeting and two specific areas were mentioned as sources of NRC concern--the civil/structural subcontractor (Perini) implementation of the QA program and the adequacy of licensee corrective actions in response to previous NRC findings.

E. Licensee Activities

Activity on both units varied extensively during the assessment period. On March 20, 1980 PSNH decided to substantially reduce the level of expenditures for construction of Seabrook Station. This resulted in a reduction in total site work force from approximately 5000 personnel to 2500 personnel within one month. A June 9, 1980 order by the New Hampshire PUC called for PSNH to delay for three years the planned completion of Seabrook Unit 2. While the licensee has appealed this action, the level of work on Unit 2 had already been confined to containment liner erection because of PSNH cash flow problems.

A two month ironworker strike during July to September, 1980 further reduced the total on-site work force to approximately 2000 personnel. Since September, 1980, the total work force has gradually grown to approximately 3500 personnel at the end of the assessment period.

Throughout these changes in personnel levels and work activities, the licensee has maintained that the Unit 1 Fuel Load Date remains 1/1/83. (Note: a

January, 1981 letter to the NRC indicates that this date may slip). PSNH had already indicated in August, 1980 that the Unit 2 Fuel Load Date of 11/1/84 was unrealistic, but that a new schedule could not be established until the final approval of the changes in joint ownership percentages, which would improve PSNH cash flow.

Major construction activities for Unit 1 during the assessment period include commencement of containment concrete wall placement, commencement of safety-related HVAC erection, continuation of ASME Class 2 and 3 piping installation, commencement of containment interior coating work, continuation of safety-related structure erection, and the continuation of electrical cable tray and conduit installation. Since the March, 1980 slowdown, construction emphasis has been directed to the completion of activities on the Primary Critical Path. During 1980 the percentage complete for Unit 1 and Common Areas increased from 31% to 44%.

The only construction activities for Unit 2 during the assessment period consisted of placement of the containment concrete base mat, continuation of containment liner erection, and activities in areas common to both Units 1 and 2. During 1980 the percentage complete for Unit 2 increased from 6% to 8%.

F. Inspection Activities

Eleven onsite combined inspections for both units were conducted during the assessment period--six of these were resident inspector originated and five were conducted by regionally based inspectors, one of whom was an environmental specialist. A total of 595 inspector-hours were expended during 1980 in the inspection of Unit 1 activities and 177 inspector-hours on Unit 2. Three Region IV Vendor Inspection Branch inspections were also conducted at the UE&C corporate office in Philadelphia with a portion of those inspections directed toward A/E activities relative to Seabrook Station. The construction resident inspection program was implemented on May 18, 1980.

Construction inspection activities have been concentrated in the areas of civil/structural and containment liner erection, and piping and component control and installation. Although only one inspection was directed toward the Quality Assurance program, every construction inspection has indirectly touched upon QA activities. To a lesser degree, electrical activities and the licensee reporting program have received inspection. A more detailed Summary of Inspection Activity is enclosed as supplemental information in Attachment II.

SEABROOK STATION
INSPECTION PROGRAM CHANGES

INSPECTION TIME AND/OR SCOPE
CHANGE FROM PRESCRIBED INSPECTION PROGRAM

<u>FUNCTIONAL AREA</u>	<u>INCREASE</u>	<u>NO CHANGE</u>	<u>DECREASE</u>
1. Quality Assurance	X		
2. Substructure and Foundations		X	
3. Concrete		X	
4. Liners (Containment and others)			X
5. Safety-Related Structures	X		
6. Piping and Hangers (Reactor Coolant and others)	X		
7. Safety-Related Components (Vessel, Internals and HVAC)		X	
8. Electrical Equipment		X	
9. Electrical (Tray and Wire)		X	
10. Instrumentation		X	
11. Fire Protection		X	
12. Preservice Inspection		X	
13. Reporting		X	
14. Environmental		X	
15. Training		X	
16. Management		X	

Beyo K. Grier
Regional Director

Date 2/13/81