

MAY 21 1984

MEMORANDUM FOR: R. W. Starostecki, Director, DPRP
FROM: R. J. Urban, Reactor Engineer, DPRP ✓
SUBJECT: MONTHLY STATUS REPORT ON CONSTRUCTION PLANTS IN REGION I

The enclosed report on construction progress at Region I facilities has been prepared for the period of April 14 through May 11, 1984. Input for this report was provided by EPB inspectors and resident inspectors from Beaver Valley 2, Limerick, Millstone 3, Nine Mile Point 2, Seabrook, and Shoreham. No input was received for Hope Creek due to the Construction Resident Inspector's temporary assignment to Nine Mile Point 2 and absence of any EPB activity during this report period.

One significant item was reported during this period. A funding proposal by Merrill Lynch would lead to remobilization of construction forces at Seabrook by June 4, 1984.

Richard J. Urban

R. J. Urban
Reactor Engineer

Enclosures: As Stated

cc w/encls:

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SEABROOK

On April 18, 1984, Public Service Company of New Hampshire announced a temporary suspension of construction at Seabrook due to financial difficulties. By April 23, the site work force had been reduced to about 1400 personnel (excluding the PSNH operating staff of 400+ personnel and excluding approximately 500 UE&C home office engineers dedicated to the Seabrook project). As of May 7, the project work force was down to approximately 1000 personnel onsite (less than 100 craftsmen) and 250 dedicated UE&C home office engineers; the PSNH operating staff is still intact.

Funding for the project is provided on a week-to-week basis by an Executive Committee from the 15 joint owners (excluding PSNH) budgeting the allowable expenditures; Mr. W. Derrickson of PSNH then manages the work activities that were funded. These work activities have been prioritized as follows:

1. Site security;
2. Preventive maintenance;
3. Construction status documentation;
4. QA/QC documentation;
5. Limited engineering;
6. Limited contract work; and
7. Site support/administration.

Certain preoperational testing activities have also continued, including preservice inspection of the RPV welds (recently inspected by a Region I DETP inspector).

Current funding levels (i.e., status quo) have been approved through May 18, 1984. On May 14, the 16 joint owners will meet to vote on a proposal set forth by Merrill Lynch to establish a new corporation ("Newbrook") to finance and manage construction. Under the "Newbrook" plan, financing for Unit 1 would be up front (e.g., 75M immediate cash flow from existing credit banks, 200M underwritten by Merrill Lynch, and 1B in bond proposals). Also, PSNH, while remaining a 35% owner, would relinquish its lead management control to the "Newbrook" corporation under Derrickson. It is also proposed that YAEC would become more involved in the total project management under "Newbrook."

If the joint owners approve the Merrill Lynch plan, construction forces could begin remobilizing on June 4, 1984. A plan has been developed to prioritize the remobilization effort such that ultimately a 4200 site work force (approximately 3000 craft) will be in place. Mr. Derrickson still projects a 10/1/85 fuel load date, but Mr. Lovelace of Merrill Lynch has projected a 6/1/86 date.

Nielson and Wurster (New England Governor's consultant) have been onsite since 4/16/84 studying the viability of completing Unit 1. They will present their report to the Governor's Planning Committee on 5/15/84.

An NRC Construction Appraisal Team conducted an inspection onsite from 4/23/84 to 5/4/84 and will return 5/14/84 for two more weeks, concluding with a planned exit meeting on 5/28/84. A summary of the most significant CAT open issues is as follows:

1. A major cable tray support design change and bracing addition program has just been initiated. The CAT questions if the contractor or UE&C can determine from existing design documents exactly what the present configuration in the field is, since installation was done to design at that particular time and not changed when generic changes to the tray support cookbook were made.
2. There has been a change to Seismic Amplified Response Spectra at Seabrook. The CAT questions ~~what~~ this has affected (e.g., equipment qualification) and how it will control redesign or requalification for installed components.
3. Since there is a backlog of RT film packages that need to be turned over from the NDE contractor (Pullman) to the official record vault, the CAT questions RT film package retrievability.

One EPB inspection was conducted in the preoperational test area. The inspector witnessed vendor testing of the "B" EDG and concluded that the tests were conducted by qualified personnel using approved procedures. Some of the problems experienced during this test were:

1. The "B" EDG tripped on overspeed due to stuck open air-start valves; and
2. The "B" EDG tripped on low lube oil pressure.

The inspector noted that the licensee's actions were adequate to identify and resolve the above problems. Several procedures were reviewed during this inspection to verify preparation, review, and approval mechanisms. The procedures were prepared, reviewed, and approved in accordance with established procedures and were found to be adequate and technically correct.

PRIORITY ATTENTION REQUIRED

MORNING REPORT - REGION 1

PRIORITY ATTENTION REQUIRED

DATE 5/16/84

TO: James Blaha, Director, Program Support and Analysis Staff
FROM: Thomas E. Murley, Regional Administrator, Region 1

<u>Licensee/Facility</u>	<u>Notification/Subject</u>	<u>Description of Items or Events</u>
Nine Mile Point Unit 1 50-220	5/15 SRI fax; Feedwater Piping Indication	On 5/13, during routine Inservice Inspection (ISI), the licensee found an 88 inch long indication in the feedwater (FW) system. This portion of FW is part of the high pressure injection system. A deformed pipe support is located directly above the indication. The licensee plans to replace the affected piping, re-evaluate its pipe supports, and examine other areas of the FW piping prior to start-up from the current refueling outage. The plant is shutdown in a routine refueling/maintenance outage.
Seabrook Unit 1 50-443	5/16 SRI fax/Consultant Report	On 5/15/84, the consulting firm, Nielsen and Wurster Group, hired by the New England Governors' Power Planning Committee to conduct an independent review of Seabrook 1 cost and completion data, released the results of their month-long study. The report indicated that Seabrook 1 could be completed by July 1986 at a cost of \$4.5 billion. The report also described the quality of design and construction in positive terms, but criticized past management inefficiencies and below-average productivity.
Pilgrim 50-293	5/15 ENS call; Open Fire Penetrations	At 2:00 p.m. on 5/15/84, the licensee discovered three open fire penetrations into the cable spreading room during a routine (once per cycle) fire protection inspection. The penetrations were: an open conduit from the 4160 V switchgear area and open heating and ventilation ducts from the RPS MG-set and computer rooms. The cable spreading room was under routine fire patrol surveillance prior to the inspection. The resident inspectors are following the licensee's actions.

DATE 5/29/84

TO: James Biala, Director, Program Support and Analysis Staff
 FROM: Thomas E. Murley, Regional Administrator, Region I

<u>Licensee/Facility</u>	<u>Notification/Subject</u>	<u>Description of Items or Events</u>
Three Mile Island Unit 1 50-289	5/29 RI Fax/Hot Functional Testing	At approximately 7:00 a.m., 5/26/84, the licensee commenced cooldown of the plant from Hot Functional Testing (HFT). While cooling down, the plant was held at specific plant conditions (800 and 600 psig) in order to complete the last portions of the High Pressure Injection Flow Test. During HFT, determination of the B Reactor Coolant Pump flow coastdown characteristics was completed to evaluate the replacement of the pump's shaft and impeller. In addition to all required HFT tests, the licensee was able to complete all scheduled surveillance and maintenance (needing various plant conditions other than cold shutdown). As of 3:30 a.m., 5/27, the plant had been returned to cold shutdown conditions with RCS temperature at 130 ± 10F and pressure at 60 ± 20 psig. Region I monitored the HFT evolutions with two shift coverage. No abnormal conditions were identified.
Peach Bottom Unit 3 50-278	5/29 RI Fax/Unplanned Release	An unplanned release occurred at about 1:00 a.m., 5/29. The offgas system 3B mechanical compressor developed problems and was replaced with its backup compressor. At this time, Hi rad alarms sounded in the Recombiner Building and the vent stack. The vent stack peak was about 30% of the Tech Spec instantaneous release limit, release rate returned to normal in about one half hour. The licensee removed the vent stack charcoal filters and found nothing abnormal. The licensee is continuing investigation of the event; the resident inspectors are following ongoing activities.
Seabrook Unit 1 50-1145	5/25 SRI Fax/ Construction Management Reorganization	On 5/25/84 Public Service Company of New Hampshire announced that several contractors will be released from Seabrook Station. These include the electrical, painting, civil/structural, and HVAC installation contractors. Plans have been formulated to replace this contract work on a direct employment basis and thereby remove unnecessary project management levels, improve efficiency, and ultimately achieve the Seabrook Unit 1 cost and schedule goals. NRC Region I management is following the licensee reorganization particularly in the control of transition of the work and records. Site construction activities remain suspended due to utility financial restrictions (PNO 1-84-34 refers).

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PRIORITY ATTENTION REQUIRED

MORNING REPORT - REGION 1

PRIORITY ATTENTION REQUIRED

DATE 6/4/84

Licensee/Facility

Notification/Subject

Description of Items or Events

Seabrook Unit 1
50-443

6/4 SRI Fax/PUC Decision

On 6/1/84 the New Hampshire Public Utilities Commission (PUC) gave approval for the issuance of bonds by Public Service Company of New Hampshire (PSNH) to borrow \$135 million. The PUC decision was a necessary first step in preventing the bankruptcy of PSNH and in allowing time for the joint Seabrook owners to establish the Newbrook Corporation, which will be charged the responsibility to complete Unit 1 construction.

Haddam Neck
50-213

6/3 ENS/Unplanned
Gaseous Release

At 9:10 a.m., 6/3, during a routine radioactive waste gas release, the plant vent stack monitor alarmed unexpectedly when the liquid waste evaporator was started. The licensee immediately terminated both evolutions, stopping both release paths. The stack monitor trace indicated a short duration, unplanned release estimated to be 4.4 curies of primarily fission product gases. The release rate momentarily reached 24,500 microcuries per second, which exceeded the TS limit of 16,600 microcuries per second. The licensee is investigating the cause of this incident. The resident inspector is following the event on site.

Haddam Neck
50-213

6/4 RI Fax/High River
Water Level

Recent heavy rains in the northeast region resulted in the worst flooding in the State of Connecticut since 1938. The Connecticut River crested at the site on 6/2. The highest river level was 15 feet 5.5 inches, just under the required plant action level. All safety systems remained operable, while some security systems sustained water damage. The necessary compensatory measures were taken and are still in place.

Beaver Valley Unit 1
50-334

6/4 SRI Fax/Component Cooling
Water Heat Exchanger Tube and
Main Feed Pump Seal Leaks

Seven tube leaks were discovered in the C component cooling water heat exchanger. Eddy current testing indicates that substantial degradation exists in about 60% of the tubes due to pitting from the inner diameter, or river water side. Licensee plans to investigate other heat exchangers served by the river water system are being formulated. It is currently planned to replace all affected tube bundles.

Power was reduced to about 60% on 6/2, to repair an inboard seal leak on the A main feedwater pump. Failure of the clearance to hold will necessitate placing the plant in Mode 2 to expand the clearance points next weekend.

Peach Bottom Unit 3
50-278

6/4 RI Fax/Shutdown (Planned)
and Entry Into Action Statement

Unit 3 was shutdown by manual scram from 25% power at 2:28 a.m. on 6/2 for a mini outage expected to last about one week. The licensee will perform numerous maintenance tasks during this time.

At 8:05 a.m., 6/2, HPCI was taken out of service with RCIC inoperable. Taking HPCI out of service before the pressure was reduced to 105 psig resulted in voluntary entry into a Technical Specification action statement requiring the reactor to be in cold shutdown within 24 hours. At 9:30 a.m., HPCI was placed back in service. The licensee notified NRC via an ENC call within 4 hours as required. At 10:15 a.m., the reactor pressure had been reduced to 97 psig and HPCI was again taken out of service.

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PRIORITY ATTENTION REQUIRED

MORNING REPORT - REGION 1

PRIORITY ATTENTION REQUIRED

DATE 6/13/84

TO: James Blaha, Director, Program Support and Analysis Staff
FROM: Thomas E. Murley, Regional Administrator, Region 1

Licensee/Facility

Notification/Subject

Description of Items or Events

Seabrook Units 1 & 2
50-443; 50-444

6/13 SRI fax/
New Hampshire Supreme Court
Ruling

On 6/12/84, the New Hampshire Supreme Court ruled that Public Service Company of New Hampshire (PSNH) cannot bill rate payers for money it has invested in cancelled plants. While the decision has the most immediate effect upon PSNH's \$16 million investment in the cancelled Pilgrim 2 plant, a more significant impact is expected on any future plans to cancel Seabrook 2. Any effect of the court's ruling on the efforts to raise the capital to complete Seabrook 1 under the "Newbrook" concept is presently unknown.

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