MAR 2 6 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 the status of construction plants in Region I has been prepared per your request (memorandum of March 6, 1984). Input for this report was provided by the resident inspectors from Shoreham, Millstone 3, Beaver Valley 2, Nine Mile Point 2, and Seabrook; EPB inspectors had no additional input at this time. There was no input submitted this month for Hope Creek, Susquehanna 2, and Limerick.

Richard J. Urban

R. J. Urban
Reactor Engineer

cc:
T. Murley
T. Martin
DPRP Branch Chiefs
DETP Branch Chiefs

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SEABROOK

The Region I SALP Board, on 2/14/84, again assessed the Piping systems and Supports area to be Category 3, although some improvement had been noted from the previous SALP assessment. Other areas were not assessed, but are judged to be Category 2 or better.

Several recently implemented organizational changes are: (1) all contractor QA managers will report to the YAEC QA manager for direction (effective 3/1/84); (2) the new Senior Vice President of Nuclear Energy (PSNH) reorganized the construction, engineering, and project management functions and controls under his direction (effective 3/5/84); (3) a Licersee Stop Work Order was issued for QA program deficiencies in the fire protection system installation (effective 2/24/84); and, (4) the previous site I&C installation contractor was terminated on 3/8/84 and safety related ASME work will commence again on 4/9/84 under UE&C control.

New projected fuel load dates of 12/31/85 and 7/31/90 were announced for Units 1 and 2, respectively, on 3/1/84. Activity on Unit 2 construction will remain at a low level until Unit 1 commences commercial operation, projected as 7/31/85.

Recent inspection findings include a recurrent violation in the electrical area (ref: IR 443/83-22) and certain deviations from FSAR commitments (ref: IR 443/83-17), in which NRR has expressed an interest. Several older Construction Deficiency Reports (CDR's) are open, but appear to be adequately tracked by the licensee for corrective action. Since 1/1/84, four additional potential CDR's have been reported. Two are on circuit breakers, one is on Motor Control Centers, and the last concerns cooling tower fan deficiencies.

A management meeting with the licensee was held at Seabrook on 3/9/84 to discuss the SALP Category 3 rating of the piping systems and supports. A Caseload Forecast Panel, with Resource Management, NRR, and the Region I Resident Office represented, was conducted at Seabrook on 3/13-15/84, to assess the licensee's schedule for fuel load. Also, the INPO report of the October, 1983 inspection was released in mid-March and the Integrated Design Inspection (IDI) conducted during November and December, 1983, is due out later this month.

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PRIORITY ATTENTION REQUIRED

MORNING REPORT - REGION I

DATE 2/84

PRIORITY ATTENTION REQUIRED

TO: James Blaha, Chief, Program Support Branch, IE
FROM: Thomas E. Murley, Regional Administrator, Region I

Licensee/Facility	Notification/Subject	Description of Items or Events
Shoreham 50-322	Emergency Diesel Generator (EDG) Update	EDG-101: Turbocharger lube oil low pressure problem was corrected by installing a larger (3/4") oil supply line. This modification will be made to the other two engines. EDG-102: Assembly continues with installation of cylinder heads complete and installation of head subcovers and new turbocharger in progress at the present time. Estimated completion of reassembly is Thursday. EDG-103: The seven-day (LOCA) run continues and will be completed on Thursday.
Seabrook Units 1 & 2 50-443/444	2/24 SRI Fax/ LICENSEE STOP WORK ORDER	On 2/24/84, the licensee QA organization issued a Stop Work Order (SWO) to the Grinnell Fire Protection System Company, based upon procedural, staffing, and QA program deficiencies identified during a recent licensee QA audit. This SWO applies to all safety-related aspects of the fire protection system installation at Seabrook, to include seismic support installation and pipe installation to the QA requirements of NRC Branch Technical Position 9.5-1. Based upon licensee direction, it is anticipated that the SWO will remain in effect until issuance of new Grinnell QA procedures, an increase in the personnel level of the Grinnell QA staff, and another licensee QA audit to determine the adequacy of corrective measures.
Salem Units 1 & 2 50-272/50-311	2/27 SRI fax;	Unit 1 tripped from 100% power at 5:26 p.m. on 2/24 due to a main generator trip. Subsequent investigation revealed at least one stator coil failure in the generator. All safety systems responded normally during the trip. As of 8:30 a.m., 2/27, the unit is being cooled down from hot standby to cold shutdown. An extended outage of several months will be required for the coil repairs. The licensee is considering starting the Unit 1 refueling outage which was scheduled to begin on May 31, 1984. Unit 2 was shutdown to hot standby at 7:20 p.m. on 2/24 to test a leaking steam generator code safety valve, 22 MS 12, and to fix a hydrogen leak on the end bell of the main generator. The licensee plans to take the unit critical and resume turbine generator testing late on 2/27.

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PRIORITY ATTENTION REQUIRED

MORNING REPORT - REGION I

DATE 2/13/84

PRIORITY ATTENTION REQUIRED

TO: James Blaha, Chief, Program Support Branch, IE
FROM: Thomas E. Murley, Regional Administrator, Region I

Licensee/Facility	Notification/Subject	Description of Items or Events
Millstone Unit 2 50-336	SRI Fax	All RCS RTD's associated with the reactor protective system have failed in situ response time testing. The Technical Specification response time of less than or equal to eight seconds must be demonstrated every 18 months. All RTD's were replaced during a refueling outage ending on 1/5/84. The RTD replacement was performed to meet environmental and seismic requirements of electrical equipment. The new RTD's were response time tested in bench tests. The problem appears to be poor thermal coupling between the RTD and its well in RCS piping. A reactor shutdown was commenced at 0900, 2/13, as proper RPS response time is required for the following RPS trip functions: high power level, high local power density and thermal margin/low pressure. The Resident Inspectors are following the shutdown and the licensee's investigation actions.
Vermont Yankee 50-271	2/13 SRI Fax/ Site Contamination	Daily Report Update (2/8/84). An additional area of ground contamination was identified on 2/10/84 during the ongoing contamination survey of the site property. Health Physics personnel found contamination beneath a metal grating walkway outside the East exit from the Turbine Building corridor. Contamination levels were 100 counts per minute about background in a 3 ft. by 6 ft. area, with hot spots up to 1400 counts per minute. The area was roped off and controlled upon discovery on 2/10/84. The contaminated dirt will be removed on 2/13/84. Samples will be saved for NRC Region I evaluation and analysis. The comprehensive survey of all ground within the protected area will continue during the week of 2/13/84.
Seabrook Unit 1 50-443	2/10 Licensee Telephone/ Potential 50.55(e) Report	Potential 50.55(e) items were reported in two areas. The first area involved installation deficiencies in washers and nuts associated with the cooling tower fans. The second area involved plastic chips and crimped power cables in as many as 324 Gould motor control centers.
Seabrook Unit 1 50-443	2/10 SRI Fax/Licensee Stop Work Order	On 2/10/84, the licensee lifted its Stop Work Order on cable pulling activities within Unit 1 Containment. The Stop Work had been put into effect on 2/3/84 by the electrical contractor based upon the identification of housekeeping problems in cable trays where cable was being pulled. On 2/8/84, the Stop Work was elevated to a licensee order, based upon the determination that the electrical contractor had completed its corrective actions, but that further corrective steps on the part of the Construction Manager were necessary. With the completion of all required actions, including QA cable tray walkdown inspections, cable pulling within Unit 1 containment was allowed to resume for second shift activities on 2/10/84.

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(Rev. June 83)

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PRIORITY ATTENTION REQUIRED

MORNING REPORT - REGION I

PRIORITY ATTENTION REQUIRED

DATE 2/15/84

TO: James Blaha, Chief, Program Support Branch, IE
FROM: Thomas E. Murley, Regional Administrator, Region I

Licensee/Facility	Notification/Subject	Description of Items or Events
Three Mile Island Unit 2 50-320	2/15 SRI Fax/Polar Crane Load Test	The first phase of the polar crane load test will begin 2/15/84. Two of four 40-ton missile shields above the reactor pressure vessel are scheduled to be placed on the load test frame today. The remaining two missile shields plus a 30-ton missile shield above the pressurizer are scheduled to be placed in the load test frame on 2/17. The qualification test load, with associated rigging, will weigh approximately 210 tons. the test will be scheduled at a later date. When completed, the qualification load test will qualify the crane to lift the 170-ton reactor vessel head.
Shoreham 50-322	Emergency Diesel Generator (EDG) Update	EDG-101: Replacement of the #7 cylinder liner has been completed. A break-in run is planned today. Electrical pre-op testing will resume when the break-in run (approximately 12 hours) is complete. EDG-102: Inspection of the disassembled engine's parts continues (con-rods; rocker arms; gear backlash; jacket water pump; etc.). Minor indications found on two con-rod bearing shells are being evaluated by the licensee. EDG-103: Several work items (governor coupling repair; hanger modification, documentation review) are to be completed before electrical pre-op resumes today.
Seabrook Units 1 and 2 50-443/444	2/14 Telecon with licensee/ Senior Management Appointment	Public Service Company of New Hampshire announced on 2/13/84 the appointment of William B. Derrickson to the position of Executive Vice President of Nuclear Energy. Mr. Derrickson, formerly the Director of Projects for Florida Power & Light for the St. Lucie Project, will assume responsibility for Seabrook construction and start-up, effective 3/1/84. He will report to the President and Chief Executive Officer and will maintain offices both in Manchester and on site.
Nine Mile Point Unit 2 50-410	Licensee phone reports: Potential 10 CFR 50.55(e) notifications	-Pipe Material Supplied by Guyon Alloy: The licensee's representative, Stone and Webster Engineering, was notified by the distributor in accordance with strict interpretation of ASME-III codes. -Pacific Air Products Linear Converters: Preliminary analysis by the vendor indicates excessive wear of the brass guides on the input and output shafts of the converters may result from normal use. A 10 CFR Part 21 report has been issued by the vendor. -Inadequate LP Examinations: As a result of licensee follow-up on the CAT inspection findings, ITT/Grinnell has identified numerous welds with inadequate surface preparation. This condition would have precluded proper performance of the required LP examination. Re-examination has revealed a high reject rate of the subject welds.

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Region I Form 94
(Rev. June 83)

united engineers & constructors inc

SEABROOK STATION
Field Office
P.O. Box 700
Seabrook, N.H. 03874

March 13, 1984

SB-LD-F-4148

Yankee Atomic Electric Company
P. O. Box 700
Seabrook, New Hampshire 03874

Attention: Mr. H. T. Tracy, Jr., Deputy Project Director

Gentlemen:

Public Service of New Hampshire
Seabrook Station
Unit 2 Management Conversion Plan

The following commentary is provided to summarize agreements reached in your conference room on March 9, 1984, and to elaborate on actions taken by UE&C to assume a more direct management role in the construction of Seabrook Unit 2.

1. Current Work Effort - UE&C has directed an orderly reduction in work activities on Unit 2 as follows:

   a. Work Stopped - Perini erection of annulus area structural steel; NSL painting of concrete and containment liner; HAH setting of HVAC units.

   b. Work Continued - P-H weldout of the primary RC loop piping. The working crew of 34 men will be reduced to 17 men total, including supervision and QC inspection. PDM dome weldout to completion. Perini Placement of structural concrete to el. 20. This includes one more placement schedule for March 16, 1984, and curing to March 23, 1984. At that time, all Perini activity on Unit 2 will be discontinued. Grinnell fire protection of el. 50 in Unit 2 TGB for temporary non-manual office complexes. The Lundeen fireproofing of selected areas may continue intermittently to levelize the Unit 1 work load.

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c. Work Assumed by UE&C - Preventive maintenance, TP&L and support functions provided by Perini and FBM will be assumed by UE&C force account personnel during the week of March 12, 1984.

2. Contractor Notification - Specific letters have been written to each contractor, copies attached, delineating UE&C's intentions relative to Unit 2 work effort and providing direction for near term actions required by them.

3. UE&C Force Account Preparations - Concurrently with preparing the procedures and NQAM modifications to take over the instrumentation work, UE&C is developing comprehensive schedules for construction and quality programs for Civil, Electrical, and Piping work. Lists of activities for each are attached. Detail action plans with manpower forecasts and schedules of implementation will be made available by March 19, 1984. All work associated with non-ASME non-quality assurance will be assumed by UE&C during the week of March 12, 1984. All QA programs and construction procedures have been targeted to b[illegible]n place by May 1, 1984.

4. Labor - Contacts have been made to the Building Trades Council and individual locals this morning to inform them of the intent of UE&C to become the major employer of craft at Seabrook. UE&C is signatory to the Seabrook Stabilization Agreement, therefore, no additional work in that area is required.

5. Unresolved Items - Certain items have not been completely resolved as of this writing.

a. Batch Plant - The Perini operated batch plant is providing critical concrete to Unit 1. At this time, UE&C does not intend to apply any resources to prepare procedures which would allow assumption of the batch plant operation.

b. HVAC - UE&C does not intend to assume the HAH work at this time.

c. Painting - As requested, UE&C will develop a schedule for issuance of procedures and assumption of the painting activities by March 19, 1984. However, PSNH contract negotiations with NSL could preclude the need to implement the takeover.

d. Miscellaneous Hard Dollar Contracts - A list of fabrication and erection contracts and summary analyses is attached.

It is suggested that this letter and attachments be used as an agenda for our March 13, 1984, 1:00 pm meeting.

Very truly yours,

A. R. Walker

A. R. Walker
Project Construction Manager

ARW/WJT/ph

Enclosures

PRIORITY ATTENTION REQUIRED

M. .ING REPORT - REGION I

PRIORITY ATTENTION REQUIRED

DATE 4/2/84

TO: James Blaha, Chief, Program Support Branch, IE
FROM: Thomas E. Murley, Regional Administrator, Region I

Licensee/Facility	Notification/Subject	Description of Items or Events
Maine Yankee 50-309	3/30 SRI Fax	On 3/30, the plant was taken off line at 1:45 p.m. for an eight week refueling outage. Major work items for this outage include thermal shield inspection, moisture separator reheater retubing and Appendix R modifications.
Seabrook Unit 2 50-444	Licensee Press Release 3/30	At a meeting in Seabrook on March 30, 1984, the joint owners of Seabrook Station defeated a proposal to immediately cancel Unit No. 2, but passed a proposal to cancel the unit by 12/1/84, if certain conditions are met. The proposal calls for the cancellation, provided there is a formal contract to use a share of the savings, anticipated to result from the use of the recently agreed upon Canadian hydro-electric power, to financially assist PSNH.

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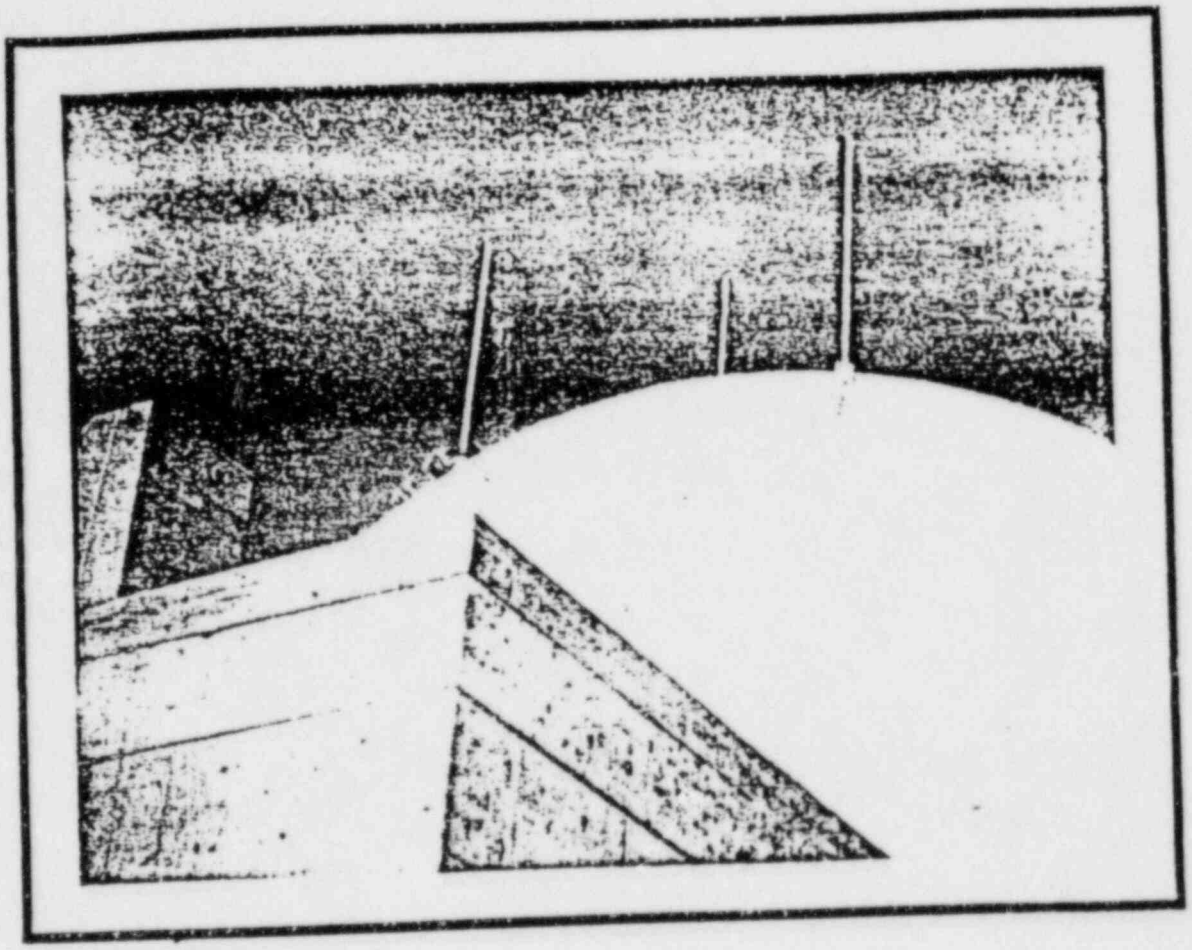


SEABROOK STATION
PROJECT UPDATE

MAY 7, 1984

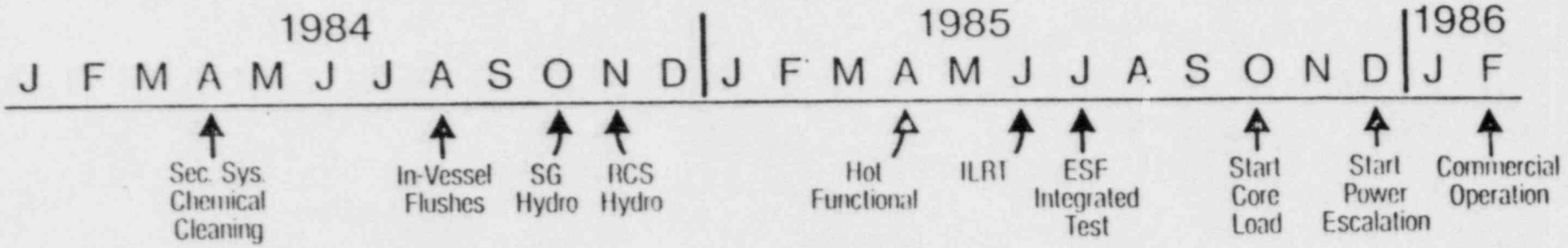
A27

RESTART

Full Restart By June 1, 1984

- **Plan** — Concentrate on Containment & PAB
  — Phased Restart Sequence Of Remainder Of Plant
- **Result** — No Effect On Major Milestones In 1985

Seabrook Unit No. 1 (Scheduled)



PROJECTED PEAK MANPOWER

• Manual	3000
• Non-Manual	
– Site	1200
– Philadelphia	500
• Total	4700

PRIORITY ATTENTION REQUIRED

MORNING REPORT - REGION I

DATE 5/15/84

PRIORITY ATTENTION REQUIRED

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

Licensee/Facility	Notification/Subject	Description of Items or Events
Three Mile Island Unit 1 50-289	5/19 SRI Phone	Commissioner Asselstine and members of his staff will be visiting the TMI-1 site on Monday, May 21, 1984. Following a meeting with the resident inspectors and interveners, a tour of the facility is planned. The interior of the containment is included in the tour. A presentation by the licensee describing the facility status was requested by the Commissioner.
Seabrook Unit 1 50-443	5/15 SRI Fax; Joint Owners Meeting	On 5/14/84, the 16 joint owners of Seabrook Station gave unanimous approval to a plan designed to complete Unit 1. The new plan calls for the formation of a new corporation, Newbrook, jointly owned by the current owners and structured to raise new financing. The plan also prevents the threatened bankruptcy of Public Service Company of New Hampshire, the lead owner.
Pilgrim 50-293	5/15 SRI fax/ Stress Corrosion Cracking	Cracks have been identified in the inconel weld material of one of three Reactor Vessel (RV) recirculation inlet nozzles undergoing dye penetrant tests after machine weld prep. The licensee is preparing equipment and procedures for UT examination to determine the extent of the cracking into the RV nozzle. General Electric Company is assisting the licensee in the repair options.
Ginna 50-244	Resident Inspector Fax	The Ginna plant was shutdown from 25% power at 4:50 p.m. 5/14 and cooldown commenced in preparation for steam generator crevice cleaning and hydro-lancing. The shutdown was necessary because a condensate bypass valve had been improperly reinstalled during the recently completed outage. This resulted in bypassing the condensate demineralizers and subsequently reducing condensate clean-up operations during the subsequent start-up and low power operations. Although steam generator water purity could have been maintained within licensee guidelines, the licensee decided to shutdown and cooldown to repeat the recently performed steam generator crevice cleaning to remove any additional impurities that may have been introduced. The shutdown is scheduled to last two to three weeks.
Calvert Cliffs Units 1 and 2 50-317/50-318	5/14 ENS	Due to concerns that Salt Water (SW) Pump casings on both units may have corroded (graphic corrosion) to below minimum wall thickness and, therefore, jeopardized the ability of the pumps to survive a seismic event, the licensee declared the SW systems on both units inoperable (7:35 p.m.). Unit 1 is currently shut down in Mode 5. Unit 2 is shut down in refueling (Mode 6). In this situation, T.S.'s require the licensee to stop fuel move operations and establish containment integrity. The licensee ceased refueling operations, and they are in the process of setting containment integrity.

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(Rev. April 84)

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