



CONNECTICUT YANKEE ATOMIC POWER COMPANY

BERLIN, CONNECTICUT

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November 25, 1986

Docket No. 50-213  
B12340

Office of Nuclear Reactor Regulation  
Attn: Mr. Christopher I. Grimes, Director  
Integrated Safety Assessment Project Directorate  
Division of PWR Licensing - B  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Gentlemen:

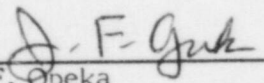
Haddam Neck Plant  
Bimonthly Progress Report No. 1  
New Switchgear Building Construction

On September 30, 1986,<sup>(1)</sup> Connecticut Yankee Atomic Power Company (CYAPCO) committed to provide the NRC Staff with updated bimonthly progress reports in accordance with the major milestone schedule for construction of the new switchgear building at the Haddam Neck Plant. The purpose of this letter is to provide the NRC Staff the first of these reports. Bimonthly Progress Report No. 1 is included as Attachment I.

We trust you will find this information satisfactory, and we remain available to assist you in the review of this matter.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY

  
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J.F. Opeka  
Senior Vice President

(1) J.F. Opeka letter to C.J. Grimes, dated September 30, 1986, "Haddam Neck Plant Major Implementation Milestones New Switchgear Building Construction."

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**Attachment I**

Haddam Neck Plant  
Bimonthly Progress Report No. 1  
New Switchgear Building Construction

November, 1986

Haddam Neck Plant  
Bimonthly Progress Report No. 1  
New Switchgear Building Construction

SUMMARY

In a letter dated June 30, 1986,<sup>(1)</sup> the Connecticut Yankee Atomic Power Company (CYAPCO) provided the NRC Staff with the conceptual design information for the new switchgear building at the Haddam Neck Plant, including a description of the new facility. The detailed design of the new switchgear building is now proceeding with the contract awarded to Bechtel Eastern Power Corporation on September 22, 1986. The major milestone schedule for the construction and implementation phases of this project was provided to the NRC Staff in a letter dated September 30, 1986.<sup>(2)</sup> The major milestone schedule committed to provide the NRC Staff with bimonthly progress reports commencing on November 26, 1986. The following is a breakdown of the major activities accomplished and ongoing for the first reporting period.

MAJOR ACTIVITIES

Award Contract

The contract for engineering construction of the New Switchgear Building was awarded to Bechtel Eastern Power Corporation on September 22, 1986, nearly one month ahead of schedule.

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- (1) J.F. Opeka letter to C.I. Grimes, dated June 30, 1986, "Haddam Neck Plant Conceptual Design of the New Switchgear Room."
  - (2) J.F. Opeka letter to C.I. Grimes, dated September 30, 1986, "Haddam Neck Plant Major Implementation Milestones New Switchgear Building Construction."

Project Engineering and Support Services

Documents Issued:

- o Trend Base Engineering Scope Document
- o Project Procedures Manual
- o Action Items Log
- o Engineering Intermediate Schedule
- o Engineering Work Authorization Status Logs.

Work in Progress:

- o Preparation of Project Engineering Procedures Manual
- o Preparation of Supplier Quality Assurance Program requirements attachment specification
- o Finalization of Engineering Task Logs
- o Verification/validation of Intermediate Schedule
- o Monitoring/determining status of Intermediate Schedule.

Architectural

Work in Progress:

- o Preparation of Design Criteria
  
- o Preliminary building and connecting corridor design.

Civil

Documents Issued:

- o Issued for comments, Technical Specification for Subsurface Investigation and Laboratory Testing.
  
- o Issued recommendation for additional soil investigation to obtain dynamic soil parameters for seismic analysis.
  
- o Issued for internal review; civil/structural design criteria.

Work in Progress

- o Preparation of structural design and seismic analysis of new switch-gear building
  
- o Obtaining soil boring information

- o Preparation of Design Criteria
  
- o Preparation of technical specifications for earthwork, concrete and structural steel.

### Electrical/Control Systems

#### Documents Issued:

- o Issued for comments, Medium Voltage Switchgear (5kV Breaker) Material Requisition.
  
- o Issued to Procurement for bid, Medium Voltage Switchgear (5kV Breaker) Material Requisition.

#### Work in Progress:

- o Preparation of Design Criteria
  
- o Preparation of battery charger calculations
  
- o Preparation of ductbank drawings
  
- o Preparation of new switchgear room equipment and cable tray layout
  
- o Preparation of single line drawings

- o Preparation of specification for the replacement of existing load center transformers
- o Preparation of preliminary heat load calculations
- o Preparation of Class IE 480V Load Center specification
- o Preparation of Class IE 480V Motor Control Center specification
- o Preparation of new switchgear building lighting and communication drawings.

Mechanical

Work in Progress:

- o Preparation of Design Criteria
- o HVAC calculations for all floors of the new switchgear building
- o Evaluation of alternate designs for the third floor HVAC systems
- o Preparation of specifications for Category I HVAC unit and fans
- o Preparation of specifications for halon and sprinkler fire protection systems

- o Preparation of HVAC P&IDs for the new switchgear building.

### Plant Facilities

#### Work in Progress:

- o Preparation of general arrangement drawings
- o Preparation of area piping drawings
- o Preparation of HVAC drawings.

### Procurement

#### Documents Issued:

- o Purchase contract and subcontract Pro Forma documents
- o Project Procurement Procedures Manual
- o Material Assignment Schedule
- o Proposal Request Package to Westinghouse for medium voltage switchgear (5kV breaker).

Work in Progress:

- o Revision of Material Assignment Schedule as required
- o Prebid qualification of potential bidders for specifications
- o Vendor contact for lead time and pricing information for load center transformer replacement.

Construction

Work in Progress:

- o Provide construction input to Engineering Design
- o Preparation of Quality Control Procedure
- o Preparation of Construction Procedures

Quality Assurance

Work in Progress:

- o Preparation of Quality Assurance Program Plan
- o Preparation of Project Audit Schedule.