November 28, 1989

Docket No. 50-213

Mr. Edward J. Mroczka
Senior Vice President
Nuclear Engineering and Operations
Connecticut Yankee Atomic Power Company
Northeast Nuclear Energy Company
P.O. Box 270
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Dear Mr. Mroczka:

SUBJECT: DETAILED CONTROL ROOM DESIGN REVIEW TEAM AUDIT - DECEMBER 12-14, 1989

Enclosed for your information is an Agenda for the subject audit. As discussed with your staff, the NRC staff will need several hours in the Control Room. Because of the short length of the audit, the team members have asked for escorted access for the audit. If you have any questions, please call me at (301)492-1313.

Sincerely,

/s/

Alan B. Wang, Project Manager
Project Directorate I-4
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Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc: w/enclosure
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MEETING AGENDA FOR
DETAILED CONTROL ROOM DESIGN REVIEW AUDIT
AT NORTHEAST UTILITIES
HADDAM NECK NUCLEAR POWER PLANT
December 12-14, 1989

Day 1, December 12, 1989

8:30 am NRC Entrance Briefing

9:00 am DCRDR Program and Results Overview by Northeast Utilities

9:30 am Control room visit by NRC audit team

10:30 am Review of the audit team structure including:

- o Utility management
- o Human factors participation
- o Operations specialist participation
- o Instrumentation and control specialist participation

11:00 am Review of task analysis methods and results

- o Comprehensive analysis of plant specific emergency operating procedures derived from Revision 1 to the Westinghouse Owners Group Emergency Response Guidelines including all "E" series procedures and critical safety function trees.

- o Process for defining operator information and control requirements.

- o Process for defining instrumentation and control characteristic requirements.

12:00 Lunch Break

1:00 pm Control room walkdown of the "Reactor Trip or Safety Injection" procedures.

Note: This will be done in the control room with a licensed Northeast Utilities operator. The purpose of the walkdown will be to assess the comprehensiveness of the licensee's task analysis and the adequacy of the comparison of the task requirements to the control room.

2:30 pm NRC caucus/preparation of sample human engineering discrepancies identified during the control room walkdown.

Sample human engineering discrepancies identified during the walkdown given to licensee to identify where, within their DCRDR, they identified the same discrepancies.

Note: The licensee will have until the 8:30 am on day 2 to demonstrate how their DCRDR process identified the same discrepancies as the NRC audit team.

3:00 pm Review of the DCRDR discrepancy assessment process

- o Review of how the "Triage" process identified and ranked safety significance
- o Review of how the assessment process addressed the justifications for not correcting safety significant human engineering discrepancies.

  Note: be prepared to discuss:

TA-016	No main control board valve position indication
TA-019	No control room annunciator for containment isolation
TA-029	No controls or valve position for MSIV bypass
TA-037	No HPSI flow indication
TA-038	No LPSI flow indication
TA-083	No steam generator pressure trend information on panels
TA-101	No service water header pressure indication
TA-117	No scheduled bulb check
TA-124	No suction pressure indication for residual heat removal system
TA-128	No reactor coolant pump seal differential pressure on control boards
TA-135	No containment spray flow indication

5:00 pm End Day 1

Day 2, December 13, 1989

8:30 am — Licensee demonstration of how their DCRDR process identified the same human engineering discrepancies that were identified by the NRC team during the Day 1 walkdown of Reactor Trip or Safety Injection.

9:30 am — Review of proposed control room modifications

- o overall panel enhancements
- o class and individual improvements
- o procedures modifications
- o training modifications

11:30 am — Review the procedures for verifying that the proposed modifications will correct the discrepancies and not introduce new discrepancies.

12:00 — Lunch break

1:00 pm — Review coordination of the DCRDR with other improvement programs including:

- o Upgraded Emergency Operating Procedures
- o Safety Parameter Display System (Control room review and demonstration)
- o Regulatory Guide 1.97 instrumentation
- o Operator training

2:30 pm — Review list of all safety significant human engineering discrepancies that remain to be corrected.

- o Review discrepancies
- o Review schedules for correction of safety significant discrepancy modifications that go beyond the first refueling outage.

3:30 pm — NRC Caucus

4:00 pm — NRC Technical Exit

- o Verification of NRC team concerns with licensee
- o Detailed discussion of what the licensee will need to meet each of the nine NUREG-0737, Supplement 1 requirements.

Day 3, December 14, 1989

9:00 am NRC/Licensee formal exit