

NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY
WESTERN MASSACHUSETTS ELECTRIC COMPANY
HOLYOKE WATER POWER COMPANY
NORTHEAST UTILITIES SERVICE COMPANY
NORTHEAST NUCLEAR ENERGY COMPANY

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ADD: PWR - A/BC's TECH SUPPORT

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AD - J. KNIGHT (ltr only)

January 29, 1986

EB (BALLARD)

EICSB (ROSA)

PSB (GAMMILL)

RSB (BERLINGER)

FOB (BENAROYA)

Docket No. 50-423
A02959

Office of Nuclear Reactor Regulation
Attn: Mr. Vincent S. Noonan, Director
PWR Project Directorate #5
Division of PWR Licensing - A
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

References: (1) J.F. Opeka letter to B.J. Youngblood,
"Supplement 1 to NUREG-0737; Control Room
Design Review; Addendum No. 1 to the Summary
Report," dated September 12, 1985.

Dear Mr. Noonan:

Millstone Nuclear Power Station, Unit No. 3
Supplement 1 to NUREG-0737
Control Room Design Review

In Reference (1), Northeast Nuclear Energy Company (NNECO) identified a number of Human Engineering Discrepancies (HEDs) which were scheduled to be resolved prior to fuel load. Although the majority of these HEDs were resolved in accordance with the original schedule, completion dates for resolution of selected HEDs were consciously extended due to their low safety significance. However, the NRC was not informed of the change from the Reference (1) commitment dates. A significant factor contributing to this situation was that correction of these HEDs was not required to satisfy any technical specification operability requirements.

After identifying this situation earlier this week, efforts were accelerated to implement the committed corrective actions. Our review indicates that corrective actions on all but three HED issues scheduled in Reference (1) for completion prior to fuel load have already been completed, or will be completed,

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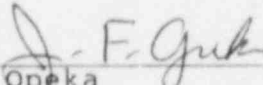
prior to exceeding 5% power. A description of these three HED issues and a discussion of actions necessary for resolution are attached. Corrective measures will be completed by February 28, 1986 for HED TA-090 and the HEDs relating to scales (see Attachment). HED TA-008 will be completed by April 30, 1986.

Completion of resolution of the HEDs on this schedule will have no adverse safety impact. The HEDs relate to enhancements to currently acceptable operator displays and aids. All emergency operating procedures can be successfully executed without correcting these HEDs. Thus, implementation of these corrective actions will not adversely impact the start up test program or control room operations in general.

We will confirm in writing the completion of corrective actions associated with the outstanding HEDs.

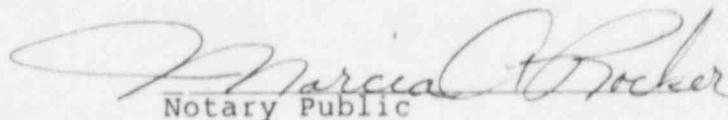
Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY
By NORTHEAST NUCLEAR ENERGY COMPANY
Their Agent



J.F. Opeka
Senior Vice President

Then personally appeared before me J.F. Opeka, who being duly sworn, did state that he is Senior Vice President of Northeast Nuclear Energy Company, a Licensee herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Licensees herein and that the statements contained in said information are true and correct to the best of his knowledge and belief.



Notary Public

My Commission Expires May 31, 1987

Attachment 1

Human Engineering Discrepancies (HED) To be Corrected after Five Percent Power Operation

A total of 3 Human Engineering Discrepancies (HED) have been rescheduled for correction after 5% power operation. The identification of these HEDs (referring to the September 12, 1985 letter from J.F. Opeka to B.J. Youngblood) and a description of each is addressed, in turn, below.

HED TA 8

Description

This HED relates to the Engineered Safety Features Status Panel.

1. Label all groups at the bottom of each section with 3/8" letters (i.e., Group 1, Group 2, etc.). (This is completed)
2. Actuate all blank tiles within each group so they respond with the logic of each (e.g., SI logic of Group 2 lights all tiles including the blanks; SLI for Group 3, CDA for Group 4).
3. Change all orange windows to yellow. Modify the 3 swing pumps to 2 windows for Train A and Train B which incorporates the "C" swing pumps.
4. Add Reactor Plant Component Cooling valves (CCP*MOV222 through 229) to Group 2 of the panel.
5. Add 3 annunciators above the ESF panel for SI, CIA and SLI.
6. Annunciator Windows 4-5, 6, 7, 8, and 9 are actuated by ESF panel lights within each respective group. Provide a blocking function to each when their respective DBA function activates the complete group (e.g., Window 4-6 should be blocked upon a full SI signal).

Justification for Additional Time Required to Complete Implementation

The enhancements associated with this HED involve recabling and/or reconfiguration of indication circuitry. Each cable run must be engineered, reviewed and approved to assure potential interfaces with IE circuits, train separation, fire protection and other design features are appropriately considered. Due to

the scope and nature of the work involved, a preliminary estimate indicates approximately 6 to 8 weeks to complete.

HED TA 090

Description

This HED refers to main control Board number 2.

Add an annunciator window on Main Board 2, Annunciator Panel B (MB2B) with a time delay following a Containment Depressurization Actuation (CDA) to advise the operator of the time delay for CDA to initiate additional corrective action if required by the EOP's.

Justification for Additional Time Required to Complete Implementation

Correction of this HED required the procurement of a time delay relay which is still not available on-site. Additional time is also required to finalize the design and complete the plant design change review process.

HEDs Relating to Scales

Description

This item relates to a portion of the following 25 HEDs relating exclusively to meter or recorder scales. The affected HEDs are as follows:

D-015, 016, 018, 022, 023
L-002
TA-014, 015, 017, 019, 033, 043, 055, 066, 070, 071, 072,
079, 080, 082, 088, 117, 128, 204, and 207

The bulk of the corrections associated with those HEDs have already been implemented. An example of the work completed is installation of new scales which, in some cases, requires calibration of instrument loops.

The work remaining to be completed involves replacement of a number of meter and/or recorder scales which are still being procured.

Justification for Additional Time Required to Complete Implementation

Completion of this task requires a special procurement from several outside vendors. Following receipt of this equipment, implementation will be completed promptly.