



Wayne H. Jens
Vice President
Nuclear Operations

Fermi 2
6400 North Dixie Highway
Newport, Michigan 48106
(313) 586-4150

EF2-69,137
July 25, 1984

Director of Nuclear Reactor Regulation
Attention: Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Youngblood:

Reference: (1) Fermi 2
NRC Docket No. 50-341

(2) NUREG-0798, Safety Evaluation
Report for Fermi 2, July, 1981

Subject: Control Room Design Review Open Item Status

Appendix D of Reference 2 identified human engineering deficiencies (HEDs) from the NRC's review of the control room. These HEDs were subsequently reviewed with NRC personnel from the Human Factors Engineering Branch on November 4, 1983. The NRC agreed that all HEDs, except those discussed in the attachments, could be considered closed. The attachments identify the HEDs, their status and where possible, reference an Edison document which will support closure of the item. As indicated in the attachment, Edison requests that Item 5.5 be redefined as a Priority 3 issue, Item 9.2 be deleted, and the remaining color coding required by Items 5.6, 10.1 and 10.2 be redefined as Priority 3. Items classified as Priority 3 will be addressed in the long-term program associated with the Detailed Control Room Design Reviews.

As the resolution to these items are implemented, the NRC Resident Inspector will be notified. Please direct any questions to Mr. O. Keener Earle at (313) 586-4211.

Sincerely,

All with attachments
cc: P. M. Byron
M. D. Lynch
USNRC, Document Control Desk
Washington, D.C. 20555

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Attachment A: Closed Items

In the November 4, 1983 meeting, NRC - Human Factors Engineering Branch personnel indicated the following HEDs would be closed once Edison provided a reference to a project document that would be used to fulfill the commitment. Upon implementation of each referenced document, the Resident Inspector will be notified to support his review of the issue.

<u>SER Item</u>	<u>Description of Item</u>	<u>Edison Document</u>
2.2	There are inadequate normal and emergency lighting levels on Back Panels H11-P812 and H11-P813, with the existing temporary system.	Edison will test and record the light levels via Procedure PRET.R3600.001. This procedure was recently revised by TCN 1551 to address this concern.
2.3	There is no emergency lighting available at the remote shut-down panel.	Emergency lighting subsequently installed will be tested via Procedure PRET.R3600.001. This procedure was recently revised by TCN 1551 to address this concern.
4.4	The relief valve position indication on Panel H11-P601 uses the valve solenoid excitation instead of a positive position indicator.	Positive indication has been provided via Design Change Package (DCP) B2100-104.
5.5	There are no unit markings on the RCP or Oil Cooler temperature controller indicator scales.	This item should be redefined as a Priority Rating 3 item since the concern is applicable to all facilities that use GEMAC setpoint tapes. A generic resolution is required.*

*Item 5.5 is not fully applicable to Fermi 2. The indicated parameter is provided in a separate location from the controller. For example, the reactor feed pump lube oil temperature is indicated on the 'C' (i.e., vertical) surface with engineering units, and the controller is on the 'A' (i.e., horizontal) surface.

Attachment B: Open Items

The status of the SER, Appendix D HEDs that were identified as open in the November 4, 1983 meeting is provided below. Edison will implement the referenced actions and notify the Resident Inspector when these items are ready for NRC review.

<u>SER Item</u>	<u>Description of Item</u>	<u>Edison Document</u>
1.5	There are no written procedures stored at the remote shutdown panel.	Subsequent to the Auxiliary Building being transferred to the Nuclear Production department, the Fermi 2 Operations department will maintain the appropriate procedures current at the remote shutdown panel.
3.9	The evacuation signal system was not connected and could not be evaluated.	Field Modification Request (FMR) 6694 provided a speaker behind Panel H11-P603. Test Change Notice (TCN) 1827 is being prepared to revise preoperational test procedure PRET.H4000.001 for the system.
5.6, 10.1, 10.2	Meters, displays and panels do not fully indicate operating limits, alarm points, or safe and unsafe ranges.	FMR 6065 is in progress to provide this information on those panels that can be upgraded at this time. The Fermi 2 Control Center Group is coordinating this effort.*

*At this time, ammeter scales are color coded to provide this information. For the remaining instruments in the Control Room, information is available to modify approximately 142 scales. The balance of these instruments will be color coded, as practical, after actual operating data is available. Since the majority of the operating data will not be available until after commercial operation, these scales should be redefined as Priority Rating 3 items.

Attachment B: Open Items
(cont'd)

<u>SER Item</u>	<u>Description of Item</u>	<u>Edison Document</u>
8.2, 10.7	On many recorders there is no indication of units.	Units are being added via FMR 7208. The Fermi 2 Control Center Group is coordinating this effort.
9.2	The operator's keyboard combines a standard QWERTY keyboard with function keys.	This item should be deleted. The manufacturer of the process computer's keyboard has indicated that disabling of the unused keys is not physically possible.
9.4	The CRT control console has temporary labels.	Permanent labels have been provided on the control console.
9.5	The number of significant digits displayed in CRT data is not consistent with instrument accuracy.	CRT display software has been modified accordingly.
10.3	The scale lengths on some recorders differ from the paper scale.	Purchase Requisition 489-978 is being processed to procure paper which will line up with the recorder scales.

Attachment C: Other Items

The following HED's were noted during the NRC's status review of SER open items on November 4, 1983. These items have been corrected and they will be reviewed with the Resident Inspector. These items should not be considered as additions to Appendix D of the SER.

Description of Action ItemsRemarks

While inspecting panel H11P808A500, certain items were noted to have white engraving on a white lens. These items 8A18, 8A21, 8A24, 8A132, and 8A134 will be replaced with black engravings.

These items have been replaced.

While inspecting panel H11-P812, three voltage select switches 12C15, 12C28, and 12C36 were noted which were engraved with positions 1, 2, 3, and 4 instead of actual bus designations.

Bus designations have been added to the panel.

While inspecting panel H11-P816, it was noted that the engraving on label 467, Service Building, should be larger to represent a heirarchial label.

Labelling has been corrected.