

Detroit  
Edison

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Newport, Michigan 48166  
(313) 586-4150

September 27, 1984  
EF2-72259

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 Related  
to the Operation of Enrico Fermi Atomic Power  
Plant, Unit No. 2", July, 1981  
3): Detroit Edison letter to NRC, "Control Room  
Design Review Open Item Status", EF2-59137,  
dated July 25, 1984

Subject: Clarification of CRDR Open Item Status

This letter supersedes Detroit Edison's earlier letter (Reference 3). In a September 7, 1984 telephone conversation between Mr. M. D. Lynch and Ms. A. M. Ramey-Smith of the NRC staff and O. K. Earle and J. R. Green of Detroit Edison, Mr. Lynch requested that the previous letter be revised to clarify the status and implementation schedule for certain items.

All of the open items listed in the attachments will be completed prior to fuel load unless specifically stated otherwise. Item 9.2 relates to providing the operator a tactile cue for unused keys on the process computer keyboard in the control room. These keys will be physically limited from moving. (This is a change from the Detroit Edison response given in the September 7, 1984 telephone conversation).

Items 5.6, 10.1 and 10.2 relate to color coding of scales on instruments and recorders for normal, abnormal and trip operability ranges. Approximately 168 ammeters are currently color coded and 142 additional instruments will be color coded by fuel load. The approximately 400 remaining scales should be changed to Priority Rating 3 since they will be color coded, as practical, after fuel load. The selection of operability ranges for most of these instruments is dependent on operating data which will not be

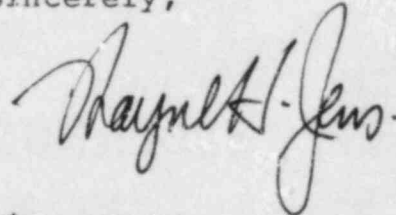
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available until after commercial operation. The schedule for color coding these scales will be included in the Control Room Design Review Summary Report which is currently scheduled for submittal to NRC in September, 1985.

As the resolution of these items is implemented, the NRC resident inspector will be notified.

If you should have any further questions, please contact Mr. O. Keener Earle at (313) 586-4211.

Sincerely,



cc: Mr. P. M. Byron\*  
Mr. M. D. Lynch\*  
Ms. A. M. Ramey-Smith\*  
USNRC, Document Control Desk\*  
Washington, D.C. 20555

\* With Attachments

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. All items will be completed by fuel load.

<u>SER Items</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-I04.
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. The schedule for this item will be included in the Control Room design Review Summary Report, currently scheduled for submittal to NRC in September, 1985.



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. All items will be completed by fuel load unless specifically stated otherwise.

<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, approximately 168 ammeter scales are color coded to provide this information. For the remaining instruments in the Control Room, information is available to modify approximately 142 instruments and these will be completed by fuel load. The approximately 400 remaining 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, the color coding of these instruments should be redefined as Priority Rating 3 items. The schedule for color coding of instruments redefined as priority rating 3 will be included in the Control Room Design Review Summary Report, currently scheduled for September, 1985.

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. Tactile cue should be provided for unused keys.	Tactile cue will be provided to the operator for unused keys. Unused keys will be physically limited from moving.
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 length on some recorders differ from the paper scale.	Purchase Requisition 489-978 was processed and paper with proper scales is provided for the subject recorders.

Attachment C: Other Items

The following HEDs 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. All items will be completed by fuel load.

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.