

**Detroit  
Edison**

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Group Vice President

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August 17, 1983  
EF2 - 64,548

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: Enrico Fermi Atomic Power Plant, Unit 2  
NRC Docket No. 50-341

Subject: Standby Liquid Control System

In response to your letter dated June 22, Detroit Edison representatives met with members of your staff on July 7 in Bethesda, Maryland.

Detroit Edison presented additional information which described the Fermi 2 Standby Liquid Control System (SLCS) power supplies, compared them to the power supplies for this system at the Dresden Units 2 and 3, and showed the two systems were functionally identical. Copies of the information presented are attached.

Consistent with the discussions for resolution of this matter, Detroit Edison is willing to commit to the following:

1. Perform a QA/QC audit on all terminations of the SLCS instrumentation, control and power cables associated with the injection of the boron solution.
2. Provide the results of the high voltage tests of the cables cited above to the NRR Staff.
3. Perform a design drawing review of the cables feeding off MCC 72B-4C and MCC 72E-5B to determine whether any of these cables could be affected by a common fault.

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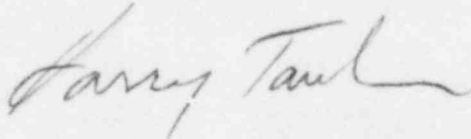
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4. Review the SLCS design and construction documentation plus walkdown the SLCS in the plant to verify that the system is designed and constructed to high quality standards.
5. Subsequent to the satisfactory completion of the startup testing of the SLCS (currently in progress), Detroit Edison commits to apply the same QA controls and procedures to SLCS components necessary for the injection of boron as would be applied to safety related components at Fermi 2. This includes MCC 72B-4C and MCC 72E-5B. It is understood, however, that the SLCS electrical components were not originally intended, procured, designed, or classified as safety related as the term implies today.
6. Propose an amendment to the draft Fermi 2 Technical Specifications for surveillance of electrical isolation devices associated with the SLCS.

We believe these commitments are responsive to the resolution basis discussed in the meeting.

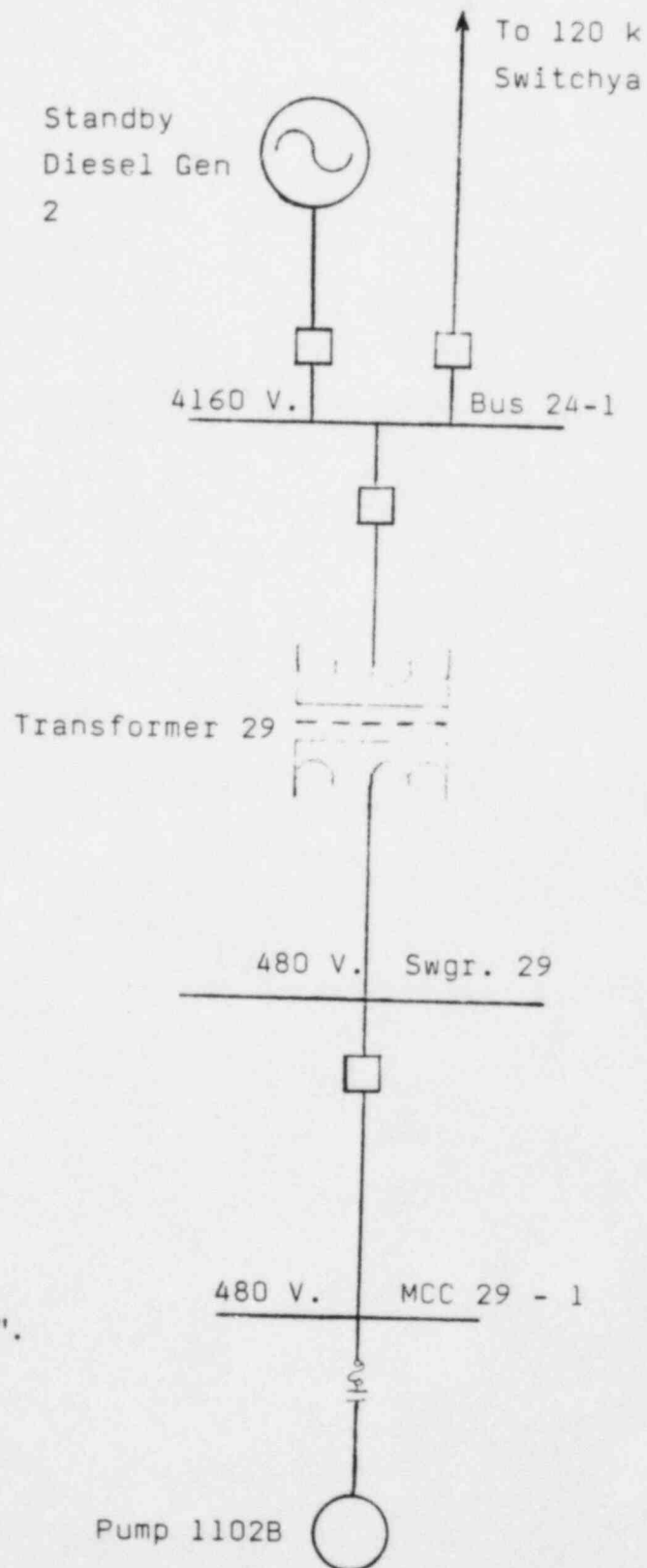
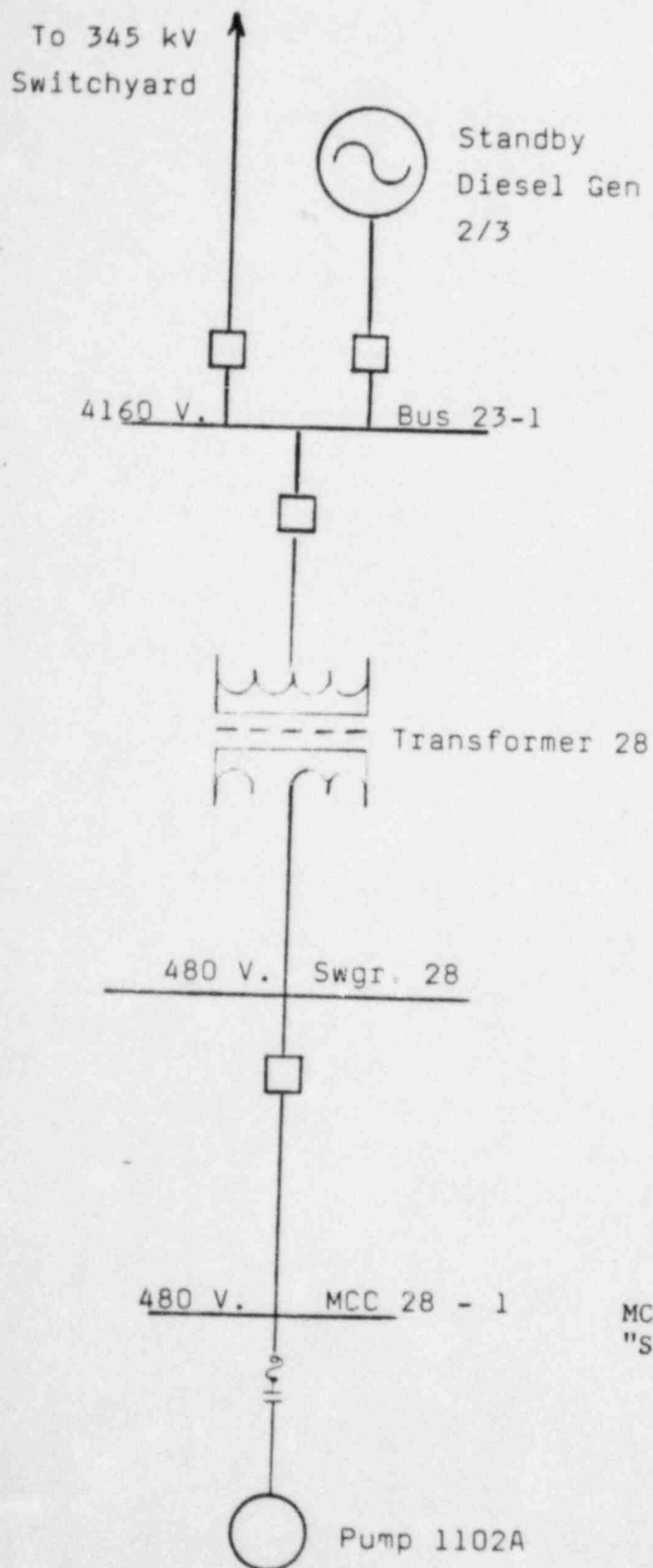
If you have any further questions, please contact Mr. Larry E. Schuerman (313) 586-4207.

Sincerely,



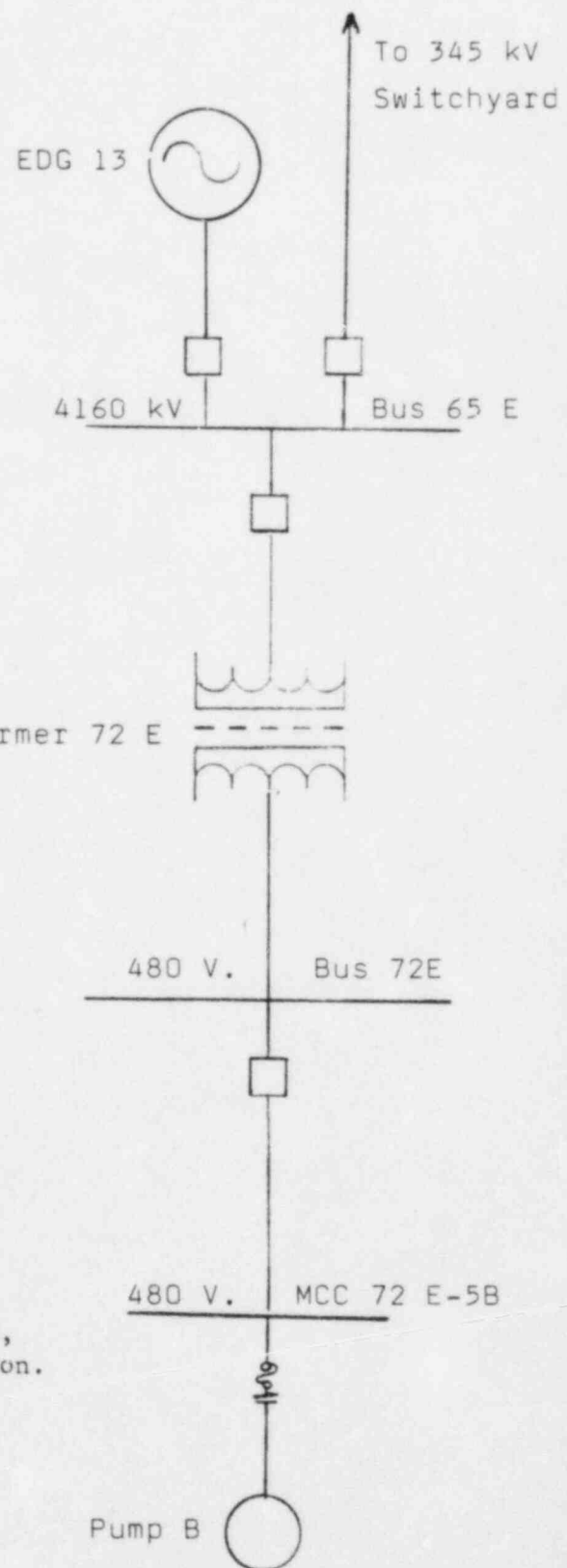
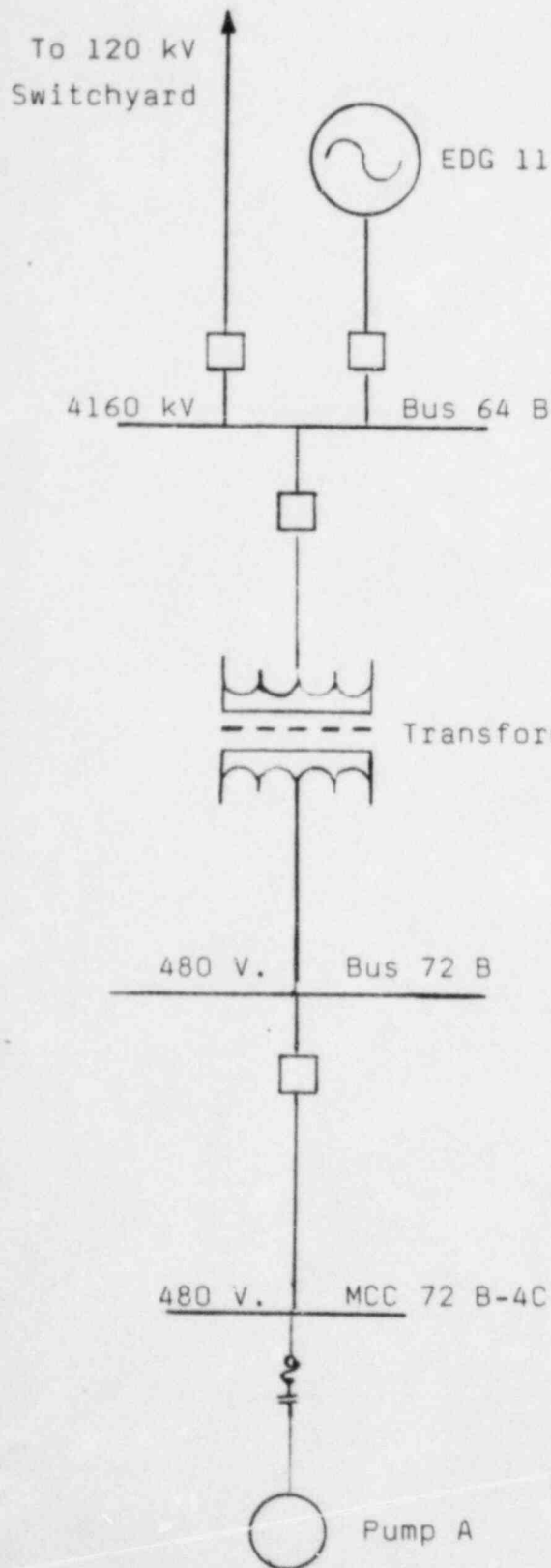
cc: Mr. P. Byron  
Mr. M. D. Lynch

DRESDEN UNITS 2 & 3  
STANDBY LIQUID CONTROL  
POWER SUPPLIES



MCCs are  
"Safety-Related".

ENRICO FERMI UNIT 2  
STANDBY LIQUID CONTROL  
POWER SUPPLIES



MCCs are purchased  
to the same spec as 1E,  
except for documentation.

AS PRESENTLY DESIGNED, FERMI 2 SBLC HAS THE FOLLOWING FEATURES:

1. The pump motors are restored from the EDGs.
2. Motor Control Centers feeding motors are seismically qualified. They, along with the other referenced MCCs, were purchased on the same purchase order as the Class 1 MCCs, to the same specification with minor exceptions.
3. BOP cable is purchased identical to Class 1 but with black jacket. The trays and conduits are seismically hung.
4. Heaters and heat trace can be manually restored. Alarms are automatically restored to indicate a problem.
5. If one MCC fails, we have positive indication of failure and another MCC to operate from.

STANDBY LIQUID CONTROL  
ELECTRICAL SYSTEM COMPARISON

DRESDEN

Motors, heat trace, tank heaters, and control fed from MCC's 28-1 (Div 1) and 29-1 (Div 2). Both diesel restorable.

Cables from both power sources are in common tray near SBLC.

Single operating switch for both pumps.

"Bubbler" system used for tank level indication.

SBLC Motors: Standard  
GE Supplied.

FERMI 2

Motors fed from diesel restorable 72B - 4C and 72E - 5B. 40 kW heater fed from 72E - 5B. 10 kW heater fed from 72C - 4A. Heat trace is fed from 72B - 4A and 72E - 4B. All of the above MCCs were purchased on the same P. O. as Class 1 MCCs.

Same as Dresden.

Same as Dresden.

Same as Dresden. For pressure measurement, Fermi uses GMAC pressure transmitter, the same type used for many Class 1 applications.

Same as Dresden.