

Detroit
EDISON

2000 Second Avenue
Detroit, Michigan 48226
(313) 237-8000

June 22, 1981
EF2 - 53,46



Mr. L. L. Kintner
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
7920 Norfolk Avenue
Bethesda, Maryland 20014

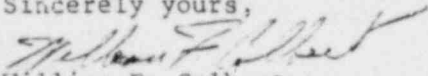
Reference: Enrico Fermi Atomic Power Plant Unit 2
NRC Docket No. 50-341

Subject: IE Bulletin 79-27
Loss of Instrumentation and Control Power

Dear Mr. Kintner:

This is to confirm a telephone conversation between Messrs. L. Kintner and G. Mauck, NRC, and M. Featham and J. Honkala, Detroit Edison. The NRC received the following clarifications.

- Loss of electrical power, which will encompass loss of instrumentation and control, is covered in Abnormal Operating Procedure 20.000.12. The operator may or may not be instructed to shut the reactor down, as a function of the abnormality (loss of offsite power would require subsequent reactor shutdown).
- Due to the diverse nature of the Fermi 2 instrumentation and control system, as described in our original response, loss of any single instrument bus will not leave the operator with insufficient instrumentation to bring the reactor to cold shutdown. However, a procedure has been developed to achieve cold shutdown in the event all reactor level instrumentation is lost (Emergency Operating Procedure 29.000.05). This would require a simultaneous loss of both divisions.
- Fermi 2 reviewed major safety related systems as part of its response to Question 222.51. It was evident from our review that all instrumentation and control power in the plant follow the same diverse design philosophy. This confirms the statements of Edison personnel, who were responsible for the original design. Fermi 2 is thus confident that the original study provides sufficient evidence of system diversity, and no further investigation is required.

Sincerely yours,

William F. Colbert
Technical Director
Enrico Fermi 2 Project

Good
5/10

8106230

458

Q

MDF/do