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Mr. L. L. Kintner
U. S. Nuclear Regulatory Commission
Division of Project Management
Office of Nuclear Reactor Regulation
7929 Norfolk Avenue
Bethesda, Maryland 20014

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

Subject: Oral Questions on Containment Isolation
Dependability

Dear Mr. Kintner:

The following is in response to oral questions from John Lane, NRC,
on Section II.E.4.2 of FSAR Appendix H.

His first concern was that some nonessential lines listed only one (instead of two) safety grade diverse isolation signals in FSAR Table H.II.E.4.2-1. This table was composed recognizing only two isolation signals: reactor low level and high drywell pressure. In every case where one of these signals was wrong to use (since it would interfere with proper operation of the system), alternate signal(s) or justification are given under Comments. We believe all non-essential lines are isolated by safety grade diverse isolation signals or are adequately justified.

In the case of penetration X-7A, main steam lines, six other isolation signals are listed. In the case of penetration X-17 and all other lines connected to low pressure systems (LPCI and CS), the table fails to point out that these isolation valves are interlocked closed at reactor pressures above some low value. Consequently, all these lines will be closed at the time of the accident and, therefore, do not need signals to cause isolation.

Mr. Lane's second concern was that the latest NRC position for essential sample lines require automatic isolation. He sites penetration X-48d as an example. We offer the following arguments to justify the absence of automatic isolation.

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1. Instrument and sample lines classified essential are classified essential because they may be needed to monitor the course of an accident following containment isolation. Therefore, isolating on a LOCA would interfere with their safety function.
2. Sample lines are normally closed.
3. Sample lines are in a system classified as a closed loop outside containment. Requirements met by such a system include missile protection, Seismic Category 1 and Quality Group B design standards.

Very truly yours,



W. F. Colbert
Technical Director
Enrico Fermi 2

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