



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555



March 31, 1977

Edward Luton, Esq., Chairman  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Mr. Gustave A. Linenberger  
Atomic Safety and Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dr. Ernesto O. Salo  
Professor, Fisheries Research  
Institute, WH-10  
College of Fisheries  
University of Washington  
Seattle, Washington 98195

In the Matter of Metropolitan Edison Company, et al.  
(Three Mile Island Nuclear Station, Unit 2)  
Docket No. 50-320

Gentlemen:

At the January 28, 1977 pre-hearing conference in this proceeding, the Board requested the identification of those matters that would remain unresolved after issuance of Supplement No. 1 to the Safety Evaluation (SER). The Staff issued Supplement No. 1 during the week of March 21, 1977 (copies are enclosed). Copies of Supplement No. 1 have been forwarded to the parties in this proceeding by letter dated March 25, 1977.

Supplement No. 1 (Section 1.7) will show that the following matters have been resolved:

- Redesign and/or reanalysis of the containment spray chemical additive system
- Seismic qualification of safety related display instrumentation
- Schematics verifying design implementation
- Data on iodine removal capability of two-inch charcoal bed depths
- Appendix I review

64  
17 311  
790503

7905036208

G

- Pellet cladding mechanical interaction
- Evaluation of electrical penetration test report

The staff expects the following items to be resolved by mid-April, 1977:

- Reactor cavity pressure response
- Reactor building sump test
- Installation of flow measurement devices to assure adequate flow to limit boron concentration
- Test programs for reactor protection system and engineered safety feature actuation system response time testing
- Emergency core cooling analysis modifications

Resolution of the remaining items which are listed below, is largely dependent on receipt of additional information from the applicant.

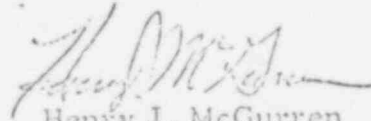
- Completion of revised steam line break analysis
- Qualification as isolation devices of output relays in the safety features actuation system
- Test programs for control rod drop time testing to full insertion
- Evaluation of data on environmental qualification of balance-of-plant Class IE electrical equipment
- Review of feed line break analysis
- Startup overpressure protection

With regard to the generic items listed below, as noted in the SER and Supplement No. 1, the Staff believes that operation of this facility will be acceptable until the Staff completes its review of these matters. At that time the Staff will consider imposition of any generic solution on

Three Mile Island, Unit 2 to add to the overall safety margin for the facility.

- Evaluation of reactor vessel supports
- Anticipated transients without scram

Sincerely,



Henry J. McGurran  
Counsel for NRC Staff

cc: Mr. Chauncey R. Kepford  
Ms. Karin W. Carter  
George F. Trowbridge, Esq.  
Ms. Judith H. Johnsrud  
Docketing and Service Section

Atomic Safety and Licensing  
Board Panel  
Atomic Safety and Licensing  
Appeal Panel