

JUN 20 1972

POOR ORIGINAL

Richard C. DeYoung, Assistant Director for PWR's, Directorate of Licensing

METROPOLITAN EDISON COMPANY - THREE MILE ISLAND UNIT NO. 1 - DOCKET NO. 50-289

The Materials Engineering Branch, L, originally submitted the OL Safety Evaluation for Three Mile Island - Unit 1 by memorandum, Case to Morris, on April 29, 1971. This supplement to that memorandum completes those areas that were open issues. The open issues and their resolution are as follows:

1. Fracture Toughness Criteria - Delete the last sentence in the April 29 memo in the Fracture Toughness section
2. Flywheel Integrity - Delete the final paragraph which was submitted in parentheses
3. Containment Integrated Leak Test Program - Rewritten section enclosed.

Original Signed by
R. R. Maccary

DKT. #50-289

R. R. Maccary, Assistant Director
for Reactor Safety
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Enclosure:
Safety Evaluation for
Containment Leak Test Program

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DATE ▶	6/20/72	6/20/72	6/19/72		

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CONTAINMENTLeakage Testing Program

The primary reactor containment and components which will be subjected to containment test conditions will be designed so that periodic integrated leakage rate testing can be conducted at peak accident pressure. We have reviewed the proposed test procedures for determination of the primary containment overall leakage, as well as penetration and isolation valve leakage, for both preservice and inservice containment leakage tests. Penetrations, including personnel and equipment hatches and airlocks, and isolation valves, are being designed with the capability of being individually leak-tested at peak accident pressure.

We conclude that the design of the containment system will permit the conduct of the containment leak test program in compliance with the AEC proposed "Reactor Containment Leakage Testing for Water Cooled Power Reactors", 50.54(o), Appendix J, published in the Federal Register on August 27, 1971.

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