



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

September 4, 1979

MEMORANDUM TO: R. D. Martin, Chief, NSG, Reactor Operations and
Nuclear Support, RII

FROM: D. R. Hunter, Inspector Specialist

SUBJECT: EMERGENCY FEEDWATER NOZZLE TRANSIENTS

The investigation at TMI revealed that the emergency feedwater nozzles had been thermally cycled numerous times in the past operation of the facility.

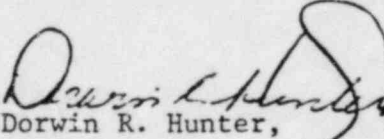
Prior to the recent revisions to the emergency feedwater surveillance procedures (2303-M14A/B, Revision 8, 11/21/78) and 2303-M27A/B, Revision 4, 8/30/78) the nozzles were cycled during each test performance.

The nozzles were cycled during plant transients on 10/25/78 and 3/28/79 by stopping feed flow to the OTSG and restarting feed flow at some time later. Note: The EFW flow was terminated by closing the header isolation valves and/or placing the three EFW pumps to the Pull-to-Lock position.

The licensee was requested to provide a complete transient record for the plant, as of March 28, 1979, and this record should be available in the IE Investigation files at the TMI¹ site at a later date.

The review of the transient data concerning the EFW system should be performed. This review should determine if all transients on the EFW nozzles were considered; such as the cessation of EFW on 10/25/78 by the operators and all surveillance tests prior to (8/30/78).

A review of all plant transient trip packages including all available data and determine the actual number of thermal cycles the EFW nozzles were subject.


Dorwin R. Hunter,
Inspector Specialist