



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

JUN 28 1979

MEMORANDUM FOR: R. Bernero, Task Leader, Task Group No. 5
4th Floor Arlington Road Building

FROM: G.M. Holahan, Analysis Branch, Division of Systems Safety

SUBJECT: RESPONSE TO TMI-2 ACCIDENT

The purpose of this memorandum is to provide you with a brief description of my activities in response to the Three Mile Island accident.

<u>Date</u>	<u>Description of Activities</u>
3/28/79	Calculation of break Recommended method to calculate break flow was sent to Incident Response Center.
3/29/79 to 3/31/79	Worked on interpretation of core outlet thermocouple readings. This activity included running the core thermal hydraulic computer code, COBRA.
4/1/79 to 4/3/79	Worked on calculation of the size of the hydrogen bubble in the reactor coolant system as well as methods for safe removal of it.
4/3/79 to 5/1/79	Worked on calculation of the condition of the TMI-2 core. This involved thermal hydraulic calculation as well as coordination of efforts in this area by the national laboratories. Also worked on calculation of the acceptability of natural circulation cooling (results of this effort are published in NUREG-0557).
5/1/79 to 6/1/79	Worked on long term cooling with natural circulation. Spent 4 days at the TMI site working on the emergency procedure for the Loss of Natural Circulation (EP-34). Continued calculations of long term cooling including predictions of the eventual end of natural circulation.

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JUN 28 1979

R. Bernero

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Date

6/1/79
to
present

Description of Activities

Member of the Three Mile Island, Lessons Learned Task Force established by H. Denton.

Original Signed By: JUN 28 1979

G.M. Holahan
Analysis Branch
Division of Systems Safety

cc: R. Mattson
R. Tedesco
Z. Rosztoczy
L. Phillips
G. Holahan
PDR

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OFFICE →	DSS:AB				
SURNAME →	GMHolahan				
DATE →	6/ 28 /79				