



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D C 20555

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MAR 11 1980  
NRC/TMI-80-039

MEMORANDUM FOR: H. R. Denton, Director, Office of Nuclear Reactor  
Regulation  
R. H. Vollmer, Director, NRC/TMI Technical Support  
Staff

FROM: J. T. Collins, Deputy Director, NRC/TMI Technical  
Support Staff

SUBJECT: NRC/TMI WEEKLY STATUS REPORT

To improve communications among the various NRC offices supporting the  
NRC/TMI work effort, the enclosed report is submitted and similar reports  
will be submitted weekly, hereafter.

We will be glad to discuss any comments or questions you may have.

*John T. Collins*  
John T. Collins  
Deputy Director  
NRC/TMI Technical Support Staff

cc: Office Directors  
Commissioner's Technical Assistants  
NRR A/D's  
Regional Directors  
IE Division Directors  
XOOS  
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# STATUS REPORT

Week of: March 1-7, 1980

## Plant Status

Core Cooling Mode: Natural Circulation in the "A" Reactor Coolant System (RCS) Loop via Once Through Steam Generator (OTSG)-A, Steaming to the Main Condenser, and RCS Loop-B Cyclic Natural Circulation to Ambient.

Available Core Cooling Modes: OTSG B to the Main Condenser; Long Term Cooling "B" (OTSG-B); Decay Heat Removal.

RCS Pressure Control Mode: Makeup system in conjunction with letdown flow.

Backup Pressure Control Mode: Standby Pressure Control (SPC) System.

Major Parameters (As of 0500, March 7, 1980) (approximate values)

Average Incore Thermocouples: 145°F  
Maximum Incore Thermocouple: 190°F

RCS Loop Temperatures:

	A	B
Hot Leg	149°F	151°F
Cold Leg (1)	129°F	84°F
(2)	134°F	84°F

RCS Pressure: 279 psig

Pressurizer Temperature: 345°F (Saturation Pressure 107 psig)

Reactor Building: Temperature: 75°F  
Pressure: -.9 psig

## Environmental & Effluent Information

1. Liquid effluents from TMI-1 released to Susquehanna River, after processing, were within the limits specified in Tech Specs. No water was discharged during the period of 3/3 to 3/6/80.
2. No liquid effluents were discharged from Unit 2.
3. Gaseous effluents released from Unit 2 during February 1980 was 80 Ci of Kr-85; the total Kr-85 activity released during 1980 was 160 Ci.
4. Results from EPA monitoring of environment around the TMI site were:
  - TLD results from last December 19, 1979, showed no radiation levels above natural background.
  - EPA environmental stations registered background levels for air and water samples.

- Results of last continuous gaseous sample (taken on a weekly basis on top of the Observation Center) for the period 2/13-2/25 was 29 pCi/m<sup>3</sup>. Previous readings have been in the range of 20-30 pCi/m<sup>3</sup> with a high of 41 pCi/m<sup>3</sup>.
- Instantaneous direct radiation readings showed no levels above background.

### Major Activities (Past and Present)

1. On Monday, March 3, 1980, Makeup Pump No. 1B was restored to service and letdown flow was reinitiated. RCS Pressure Control was shifted to the Makeup/Letdown System from the Standby Pressure Control (SPC) System. SPC was the primary pressure control mode due to Makeup System isolation as a result of a instrument line leak on February 11, 1980. No abnormal conditions developed as a result of the pump start.

The Makeup System is operating satisfactorily in parallel with SPC. The operation was completed with minimal personnel exposure .

2. During a majority of the week, dryruns for Containment Entry into Unit 2 Reactor Building were made, using Unit 1 as a mock-up with simulated Kr-85. Many problems were encountered during these exercises.

Licensee plans are in progress to upgrade different radiological aspects of the entry, such as, personnel dosimetry, survey and radiological protection.

3. Contaminated water from various systems is being routinely processed by both EPICOR I and EPICOR II. The total gallons of water processed by EPICOR I and II to date is 840,114 and 157,958 gallons, respectively.
4. No radioactive waste shipments have been made, with the exception of test samples which needed to be analyzed.
5. Decontamination of different areas located in the Unit 2 auxiliary building is in progress. NRC examination of decontamination efforts show them to be in accordance with NRC requirements.
6. Work by the NRC/TMI staff continued on the Environmental Assessment for Purging the Unit 2 Reactor Building. Estimated completion date is March 11, 1980.

### Future Evolutions

On Monday, March 10, 1980, the licensee intends to commence preparations for entering TMI-2 Containment Personnel Airlock No. 2. The purpose of this entry is to conduct radiological surveys on the atmospheric side of the inner door and to conduct a visual survey of the containment interior through the inner door port.

These events will be controlled in accordance with a procedure approved by the NRC/TMI Technical Support Staff and will be monitored by the NRC/TMI staff. The procedure requires a sample to be taken upon commencement of the airlock purge. At that time an updated assessment of expected total release content will be computed.

## Public Affairs Information

1. On Wednesday, March 5, 1980, (in Washington) the task force, assigned to review the TMI-2 cleanup efforts, delivered a report to the commission urging prompt action to move forward in cleaning up the plant. J. Collins attended this briefing.
2. Also, on Wednesday, at 3:30 P.M., J. Collins held a press briefing in the Middletown Office to discuss the above referenced task force recommendations and the discuss NRC's approval of the Personnel Airlock Entry for the Unit 2 Reactor Building.
3. J. Collins participated in a town meeting in Lebanon along with city officials, Met-Ed representatives to discuss issues related to the recovery program for TMI-2 and the proposed restart of TMI-1. Approximately 350 people attended this meeting.