



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

April 14, 1980  
NRC/TMI-80-065

MEMORANDUM FOR: H. R. Denton, Director,  
Office of Nuclear Reactor Regulation  
  
B. J. Snyder, Program Manager,  
TMI Program Office  
  
FROM: J. T. Collins, Deputy Program Manager,  
TMI Program Office  
  
SUBJECT: NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT

Enclosed is the status report for the week of April 5 - 11, 1980.

*John T. Collins*  
John T. Collins  
Deputy Program Manager  
TMI Program Office

Enclosure: As stated

- cc: EDO
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- XOMA
- EPA
- G. Sanborn
- T. Elsasser
- TMI Program Staff

# NRC TMI WEEKLY STATUS REPORT

Week of: April 5 - 11, 1980

## Plant Status

Core Cooling Mode: Cyclic natural circulation in the "A" reactor coolant system (RCS) loop via the "A" once through steam generator (OTSG), steaming to the main condenser, and RCS loop-A and B cyclic natural circulation to reactor building ambient.

Available Core Cooling Modes: OTSG "B" to the main condenser; long term cooling "B" (OTSG-B); decay heat removal.

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

Backup Pressure Control Mode: Makeup system in conjunction with letdown flow (Emergency use only due to RCP seal injection isolated due to suspected leaks in system).

Major Parameters (As of 0400, April 11, 1980) (approximate values)

Average Incore Thermocouples: 138°F

Maximum Incore Thermocouple: 192°F

RCS Loop Temperatures:

	A	B
Hot Leg	146°F	149°F
Cold Leg (1)	108°F	103°F
(2)	119°F	106°F

NOTE: Relatively low average incore temperature due to A loop flow period ("burp") in progress. B loop recovering from "burp".

RCS Pressure: 296 psig (Heise)

Pressurizer Temperature: 342°F (Saturation Pressure 106 psig)

Reactor Building: Temperature: 80°F  
Pressure: -.5 psig (Heise)  
Water level: Elevation 290.6 ft. (8.1 ft. from floor) via decay heat system  
Elevation 290.1 ft. via penetration 401 manometer

## Environmental & Effluent Information

1. Liquid effluents from TMI-1 released to the Susquehanna River, after processing, were within the limits specified in Technical Specifications.
2. No liquid effluents were discharged from TMI-2.
3. Results from EPA monitoring of the environment around the TMI site were:

- EPA environmental stations registered background levels for air and water samples.
- Gas air samples (Kr-85) results (due to computer computation problems) are not as yet available - will be included in next weeks report.
- Instantaneous direct radiation readings showed no levels above background.

4. Radwaste shipments off site were as follows:

On Tuesday, April 8, 1980, a Unit II reactor water sample was sent to B&W facility, Lynchburg, Virginia for chemical and radiochemical analyses.

Major Activities (Past and Present)

1. Discussion continues on the plans for depressurization of the reactor coolant system (RCS) to support mini-decay heat system (MDHR) operations. The decontamination effort of the seal injection room slowed with the change in plans not to use the letdown/makeup system for depressurization.

Alternative methods and associated precautions are under review by the licensee and NRC staff. Initial depressurization to 195 psig is planned for next week with a subsequent RCS sample and analysis to follow.

2. The EPICOR II system was started on April 7, 1980, processing the reactor coolant bleed tank (B) after an extensive outage for several modifications. As of April 13, 1980, the EPICOR II systems has processed approximately 182,000 gallons of contaminated water in the auxiliary building. There remains approximately 240,000 gallons yet to be processed.
3. Plans were finalized for the ground water monitoring program to determine the source of activity in certain wells. These plans include: the drilling of additional wells and subsequent samples retrieved in areas closer to the reactor building; further review of existing isotopic data to assure accurate results; the establishment of a periodic well sample frequency that will be indicative of trends in activity diffusion.
4. On Thursday, April 10, 1980, an emergency drill was conducted and was observed by the NRC staff with support from Region I. Recurrent discrepancies were noted from previous drills. Many of these problems require long lead time for correction in terms of new emergency plan development, acquisition of material and training of all responsible personnel (new and old) in the new plan and in the use of this equipment.

Future Evolution

1. Pending resolution of NRC staff concerns the licensee intends to depressurize the RCS to approximately 100 psig.
2. Pending approval by the NRC staff the licensee plans to enter the Unit 2 reactor building for initial visual and radiological surveillance on Tuesday, April 15, 1980. This continues to be reviewed by the NRC staff.

Meetings Held With Public Officials and Interested Groups

1. On Wednesday, April 9, 1980, H. Denton and M. Bills, EPA, met with the Cumberland County Commissioners and various local officials of Cumberland County. The meeting resulted in a resolution signed by 19 public officials from Cumberland County supportive of NRC staff recommendations to vent Kr-85 from the TMI Unit 2 reactor building.
2. On Wednesday, April 9, 1980, H. Denton, T. Elsasser and M. Bills, EPA, held a dinner meeting with the Mayor of Lancaster in Lancaster, PA.
3. On Thursday, April 10, 1980, H. Denton, J. Collins, W. Kreger, J. Klein, T. Elsasser and M. Bills, EPA, met with the Dauphin County Commissioners.
4. On Thursday, April 10, 1980, J. Collins addressed the Pennsylvania School Counselor's Association at the Hershey School, Hershey, PA. J. Collins also appeared on a television show sponsored by WITF to discuss the clean up operations at TMI.
5. On Thursday, April 10, 1980, H. Denton, T. Elsasser and M. Bills, EPA, met with the Mayor of Harrisburg to discuss the clean up operations at TMI.
6. On Thursday, April 10, 1980, H. Denton and T. Elsasser met with the Mayor of Lebanon to discuss the clean up operations at TMI.
7. On Friday, April 11, 1980, Chairman Ahearne, H. Denton, J. Collins, B. Snyder, and T. Elsasser attended a meeting in Harrisburg with the Capitol Forward Group to discuss clean up operations.
8. On Friday, April 11, 1980, J. Collins, T. Elsasser, and M. Bills, EPA, met with officials from Lebanon County, the City of Lebanon, and the Chamber of Commerce.

Future Meetings

1. On Tuesday, April 15, 1980, J. Collins, T. Elsasser, and M. Bills, EPA, will meet in Camp Hill with officials from the following local communities: Newberry Township, Lewisberry, Goldsboro, Fairview Township, New Cumberland, and Camp Hill.
2. On Tuesday, April 15, 1980, J. Collins and B. Snyder will meet with representatives of the Union of Concerned Scientist and representatives from Met-Ed to discuss the alternatives for decontaminating the TMI-2 reactor building.
3. On Wednesday, April 16, 1980, J. Collins, T. Elsasser, and M. Bills, EPA, will meet in Middletown with officials from the following local communities: Londonderry Township, Royalton, Middletown, Highspire, Steelton, Lower Swatara Township, Swatara Township, and Derry Township.

4. NRC officials and state officials will meet with representatives of the Pennsylvania Medical Society at 9:30 a.m. on April 23, 1980, in Harrisburg.
5. NRC and state officials will meet with representatives of the Pennsylvania Chamber of Commerce at 9:00 a.m. on April 23, 1980, in Harrisburg.

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