



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

October 6, 1980
NRC/TMI-80-139

MEMORANDUM FOR: H. R. Denton, Director,
Office of Nuclear Reactor Regulation

B. J. Snyder, Program Director,
TMI Program Office

FROM: John T. Collins, Deputy Program Director,
TMI Program Office

SUBJECT: NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT

Enclosed is the status report for the week of September 28 - October 4, 1980.

A handwritten signature in cursive script, appearing to read "John T. Collins".

John T. Collins
Deputy Program Director
TMI Program Office

Enclosure: As stated

cc: EDO
OGC
Office Directors
Commissioner's Technical Assistants
NRR Division Directors
NRR A/D's
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T. Elsassner
TMI Program Office Staff

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NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT

Week of September 28 - October 4, 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 suspected leaks in the seal injection system).

Major Parameters (As of 0500, October 3, 1980) (approximate values)

Average Incore Thermocouples: 121°F
Maximum Incore Thermocouple: 177°F

RCS Loop Temperatures:

| | A | B |
|--------------|-------|-------|
| Hot Leg | 132°F | 134°F |
| Cold Leg (1) | 99°F | 78°F |
| (2) | 114°F | 81°F |

RCS Pressure: 98 psig (DVM)
86 psig (Heise)

Pressurizer Temperature: 84°F

Reactor Building: Temperature: 77°F
Water level: Elevation 290.5 ft. (8.0 ft. from floor)
via penetration 401 manometer
Pressure: -0.7 psig (Heise)
Concentration: 2.0×10^{-4} uCi/cc (Kr-85) (sample taken 10/1/80)

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. EPA Environmental Data. Results from EPA monitoring of the environment around the TMI site were as follows:

- The EPA measured Kr-85 concentrations (pCi/m³) at several environmental monitoring stations and reported the following results:

| <u>Location</u> | <u>September 19-26, 1980</u> (pCi/m ³) |
|--------------------|---|
| Bainbridge | 18 |
| Goldsboro | 22 |
| Observation Center | * |
| Middletown | 18 |
| Hill Island | 10 |

*Analysis incomplete. Will be reported next week.

All of the above levels of krypton-85 are considered to be background levels.

- No radiation above normally occurring background levels were detected in any of the samples collected from the EPA's air and gamma rate networks during the period from September 24 through October 2, 1980.

4. NRC Environmental Data.

- The following are the NRC air sample analytical results for the onsite continuous air sampler:

| <u>Sample</u> | <u>Period</u> | <u>I-131</u> (uCi/cc) | <u>Cs-137</u> (uCi/cc) |
|---------------|--------------------------------|--------------------------|---------------------------|
| HP-235 | September 26 - October 1, 1980 | <10.3E-14 | <10.3E-14 |

- Fifty-eight environmental TLD measurements for the period July 31 to August 26, 1980, indicate gamma radiation to be at the natural background levels.

5. Licensee Radioactive Material and Radwaste Shipments. The following shipments were made:

- On Monday, September 29, 1980, a 40 ml Unit 2 reactor coolant sample was shipped to Babcock and Wilcox (B&W), Lynchburg, Virginia.
- On Monday, September 29, 1980, sixty-one drums containing Unit 2 compacted/non-compacted wastes and radiac wash were sent to Nuclear Engineering Company (NECO), Richland, Washington.
- On Wednesday, October 1, 1980, Unit 2 air sample filters were mailed to Teledyne Isotopes, Westwood, New Jersey.

- On Thursday, October 2, 1980, four Unit 2 6' x 6' condensate polisher resin liners (Type A, LSA) were shipped to NECO, Richland, Washington.
- On Friday, October 3, 1980, an EPICOR-I resin liner (D-5), Type B LSA, was shipped to NECO, Richland, Washington.
- On Friday, October 3, 1980, a Unit 2 shipment of laundry was sent to Tri-State Industrial Laundries, Utica, New York.

Major Activities

1. Pennsylvania Public Utility Commission Funding Decisions. Recent actions by the Pennsylvania Public Utility Commission (PAPUC) to deny the request of the licensee for emergency rate relief and further interpretations that prevent revenues received from rate payers from being used for cleanup activities resulted in a noticeable decline in work activities at TMI-2. Although the work slowdown has been in effect, no adverse affects on public health and safety or failure to comply with appropriate regulations has been noted.
2. Mini Decay Heat System. Remaining effort is centered on the inline filter changeout methodology for this sytem. Operations readiness is anticipated next week.
3. Reactor Building Status. The next reactor building entry is tentatively scheduled for October 16, 1980. Purge evolutions to support this entry are anticipated.

Meetings Held

1. On Monday, September 29, 1980, J. Collins, W. Kirk (EPA) and T. Gerusky (DER) met with representatives of the PA Grange Association to discuss the contents of the draft Environmental Impact Statement (PEIS).
2. On Tuesday, September 30, 1980, B. Snyder, T. Elsasser and M. Bills (EPA) met with local officials, citizens and press from Maryland in Annapolis, MD, to discuss the contents of the draft PEIS.
3. On Tuesday, September 30, 1980, J. Collins, W. Kirk (EPA) and T. Gerusky (DER), held a meeting with the Friends and Family of TMI to discuss the contents of the draft PEIS.
4. On Thursday, October 2, 1980, J. Collins, T. Elsasser, W. Kirk (EPA) and T. Gerusky (DER), held a meeting with representatives of area Chambers of Commerce to discuss the contents of the draft PEIS.

Future Meetings

1. On Monday, October 6, 1980, J. Collins, T. Elsasser, D. Cleary, F. Congel, O. Lynch, P. Leech (NRC), M. Bills, W. Kirk (EPA), and T. Gerusky (DER), will meet with local officials, citizens and press in Lancaster to discuss the contents of the draft PEIS. Mayor Morris, City of Lancaster will chair the public meeting.
2. On Tuesday, October 7, 1980, J. Collins, T. Elsasser, W. Kirk (EPA) and T. Gerusky (DER), will meet with representatives of the PA Farmers Association to discuss the contents of the draft PEIS.
3. On Wednesday, October 8, 1980, J. Collins, B. Snyder, M. Bills, W. Kirk (EPA), and T. Gerusky (DER), will meet with the Newberry Township Steering Committee and local residents to discuss the contents of the draft PEIS.