

July 8, 1985  
NRC/TMI-85-047

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

Bernard J. Snyder, Program Director  
TMI Program Office

FROM: William D. Travers, Deputy Program Director  
TMI Program Office

SUBJECT: NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT FOR  
JULY 1, 1985 - JULY 7, 1985

1. PLANT STATUS

- The facility remains in long term cold shutdown with the Reactor Coolant System (RCS) vented to the reactor building atmosphere and the reactor vessel head and plenum assembly removed.
- The reactor vessel plenum has been removed from the reactor vessel and placed on its storage stand in the deep end of the fuel transfer canal. A dam has been installed between the deep and shallow ends of the fuel transfer canal. The deep end is filled with water to a depth of about 20 feet (about 5 feet above the top of the plenum).
- The modified internals indexing fixture is installed on the reactor vessel flange and is flooded to elevation 327 feet 6 inches (15½ feet above the top of the core region).
- Calculated reactor decay heat is less than 12 kilowatts.
- RCS cooling is by natural heat loss to the reactor building ambient atmosphere. Incore thermocouple readings range from 73°F to 94°F with an average of 83°F. Average cold leg temperature is 58°F.
- The average reactor building temperature is 63°F. The reactor building airborne activity is 7.4 E-9 uCi/cc tritium, and 2.7 E-10 uCi/cc particulate, predominantly cesium 137.

2. WASTE MANAGEMENT

- Both the Submerged Demineralizer System (SDS) and EPICOR II were shutdown during this period.
- Total volume processed through SDS to date is 2,898,836 gallons, and the total volume processed through EPICOR II is 2,480,774 gallons.

3. DOSE REDUCTION/DECONTAMINATION ACTIVITIES

- Shielding of the reactor building air coolers is in progress.
- Average general area radiation dose rate is 36 mrem per hour on the 347' level of the reactor building and is 160 mrem per hour on the 305' level of the reactor building.

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4. ENVIRONMENTAL MONITORING

- EPA sample analysis results show TMI site liquid effluents to be in accordance with regulatory limits, NRC requirements, and the City of Lancaster Agreement.
- TMI water samples taken by the US Environmental Protection Agency at the plant discharge to the river consisted of seven daily composite samples taken from June 15, to June 22, 1985. Gamma scans detected no reactor related radioactivity.
- The Lancaster water sample taken at the water works intake and analyzed by the US Environmental Protection Agency consisted of a seven day composite sample taken from June 16, to June 22, 1985. A gamma scan detected no reactor related radioactivity.
- The NRC outdoor airborne particulate sampler at the TMI Site collected a sample between June 27, and July 3, 1985. No reactor related radioactivity was detected. Analysis showed I-131 and Cs-137 concentrations to be less than the lower limits of detectability.

5. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Installation of the DWCS continued. Partial DWCS turnover for processing RCS during early defueling is scheduled to be completed in late August.

6. NRC EVALUATIONS IN PROGRESS

- Defueling Water Cleanup System Technical Evaluation (including Revision 6)
- Technical Specification Change Requests numbers 46, 48, and 50
- Equipment Hatch Removal Safety Evaluation
- Recovery Operations Plan Change numbers 27, 29, and 32
- Fuel Canister Technical Evaluation
- Fuel Handling Senior Reactor Operator Training Program
- Defueling Safety Evaluation

7. PROJECTED SCHEDULE OF FUTURE EVENTS

- Start of Defueling: September 1985

8. PUBLIC MEETING

- The next meeting of the Advisory Panel is scheduled for 7:00 PM, July 18, 1985, at the Public Service Building, 201 North Duke Street, Lancaster, PA.

ORIGINAL SIGNED BY:  
William D. Travers

William D. Travers  
Deputy Program Director  
TMI Program Office

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Harold R. Denton  
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3

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