

April 7, 1986  
NRC/TMI-86-031

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

Frank J. Miraglia, Director  
Division of PWR Licensing-B

FROM: William D. Travers, Director  
TMI-2 Cleanup Project Directorate

SUBJECT: NRC TMI-2 CLEANUP PROJECT DIRECTORATE WEEKLY STATUS  
REPORT FOR MARCH 31 - April 6, 1986

1. DEFUELING

- As of April 4, 1986, 37 debris canisters have been transferred from the reactor vessel to pre-shipment storage, net weight 43,800 lbs.
- The program for resolution of the biologic growth in the Reactor Coolant System (RCS) continues.
- The Temporary Reactor Vessel Filtration System, a swimming pool type (diatomaceous earth) filter, continues to be used for RCS filtering. Additional swimming pool filter capacity, pending resolution of the biologic growth problem, is being planned.

2. PLANT STATUS

- The reactor remains in long term cold shutdown, vented to atmosphere. Core cooling is by natural heat loss to ambient building atmosphere. The average of the incore thermocouple readings is 80°F. The reactor coolant temperature is 71°F.
- The airborne radioactivity on the defueling platform is about 9 E-8 uCi/cc Tritium and 3 E-11 uCi/cc particulates, predominately Cesium-137. The platform is mounted above the modified internals indexing fixture which is mounted on the reactor vessel flange. These provide water coverage of 15½ feet over the core region. This water level is about 5 feet over the top of any debris canisters in the reactor vessel.

3. WASTE MANAGEMENT

- The Submerged Demineralizer System (SDS) completed processing batch 130 from the "C" Reactor Coolant Bleed Tank (RCBT) to the monitor

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tanks then to the "A" RCBT. SDS total processed to date is 3,885,859 gallons.

- EPICOR II was in temporary shutdown this week. EPICOR II total processed to date is 2,854,371.

4. ENVIRONMENTAL MONITORING

- US Environmental Protection Agency (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 EPA at the plant discharge (includes TMI-1 and TMI-2) to the river consisted of 14 daily composite samples taken from March 8 - 22, 1986. A gamma scan detected no reactor related activity.
- The Lancaster water sample taken at the water works intake and analyzed by EPA consisted of a seven day composited sample taken from March 16 - 22, 1986. A gamma scan detected no reactor related radioactivity.
- The NRC outdoor airborne particulate sampler at the TMI site collected a sample between March 26 and April 3, 1986. No reactor related radioactivity was detected. Analysis showed Iodine-131 and Cesium-137 concentrations to be less than the lower limits of detectability.

5. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Painting of the floor in the Neutralizer Tank Room was done this week.
- Scabbling of the floor in the Mini-Decay Heat Pump Room was done this week.

6. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Request number 49, and 51.
- Recovery Operations Plan Change number 31, 33, 35, and 36.
- SDS Technical Evaluation and System Description Update.
- Core Stratification Safety Evaluation.
- Solid Waste Facility Technical Evaluation Report.
- Reactor Building Sump Criticality Safety Evaluation Report.
- TMI-2 Temporary Reactor Vessel Filtration System Safety Evaluation Report, Revision 1.
- Underhead High Pressure Decon Safety Evaluation Report.
- Hydraulic Shredder Safety Evaluation Report.
- Canister Handling and Preparation for Shipment Safety Evaluation Report.
- Defueling Canister Technical Evaluation Report, Revision 2.

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7. PUBLIC MEETING

The Citizen's Advisory Panel on the Decontamination of TMI-2 will meet April 10, 1986 at the Holiday Inn, 23 South Second Street, Harrisburg, PA from 7:00 p.m. to 10:00 p.m. At the meeting, the Panel will receive a report on the progress of defueling from GPUN. The Panel will also receive a report by the NRC staff on the status of recent TMI-2 enforcement actions. The NRC staff will also inform the Panel of ACRS (Advisory Committee on Reactor Safeguards) findings on the potential for TMI-2 recriticality during defueling.

Persons desiring to speak before the Advisory Panel are requested to contact Mr. Thomas Smithgall at 717-291-1042, or write him at 2122 Marietta Avenue, Lancaster, PA 17603.

signed by Curt Cowgill for:

William D. Travers  
Director  
TMI-2 Cleanup Project Directorate

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Harold R. Denton  
Frank J. Miraglia

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