August 26, 1985
NRC/TMI-85-065

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 AUGUST 19, 1985 - AUGUST 25, 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 from the reactor vessel.
- The plenum is 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 70°F to 92°F with an average of 80°F. Average cold leg temperature is 54°F.
- The average reactor building temperature is 60°F. The reactor building airborne activity is 2.8 E-7 uCi/cc Tritium and 1.6 E-9 uCi/cc particulate, predominantly Cesium 137.

2. WASTE MANAGEMENT

- The Submerged Demineralizer System (SDS) and EPICOR II were shutdown this period.
- Total volume processed through SDS to date is 2,963,375 gallons, and the total volume processed through EPICOR II is 2,547,671 gallons.
- Preparations are being made to transfer the contents of condensate tank 1A (COT-1A) to EPICOR II. The tank will be desludged and used as a storage tank for borated makeup water.

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3. DOSE REDUCTION/DECONTAMINATION ACTIVITIES

- Decontamination activities are continuing on the 281' level of the Auxiliary Building.
- Average general area radiation dose rate is 40 mrem per hour on the 347' level of the reactor building and is 67 mrem per hour on the 305' level of the reactor building.

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 August 3 to August 10, 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 consists of a seven day composite sample taken from August 4 to August 10, 1985. A gamma scan detected no reactor related radioactivity.
- The NRC outdoor airborne particulate sampler at the TMI Site collected a sample between August 15 and August 22, 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. REACTOR BUILDING ACTIVITIES

- Installation of the rotating work platform and service platform (over the reactor vessel) has been completed. Work on the north platform is in progress.
- Installation of tool racks for defueling tools continues. The "D" tool rack is nearly complete; work is beginning on the "B" tool rack.
- Defueling Water Cleanup System (DWCS) preoperational testing continued this week. The reactor vessel cleanup portion of the system is expected to be operational by mid-September.

6. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Installation of the DWCS continued. Partial DWCS turnover for processing RCS during early defueling is expected to be completed in mid-September.
- The second of four fuel canister racks is on site with the remaining two scheduled for delivery in late August.

7. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Requests numbers 48, 49, and 50.
- Recovery Operations Plan Change numbers 29, 31, 32, and 34.
- Fuel Canister Technical Evaluation.
- Fuel Handling Senior Reactor Operator Training Program was completed August 22, 1985.
- Defueling Safety Evaluation.
- Application for seismic exemption.
- SDS Technical Evaluation and System Description Update

8. PROJECTED SCHEDULE OF FUTURE EVENTS

- Start of Defueling: October 1985

9. PUBLIC MEETING

The next meeting of the Advisory Panel for the Decontamination of Three Mile Island Unit 2 is scheduled for September 11, 1985. The meeting will be at the Environmental Matters Committee Room (Room 150), House Office Building, College Avenue, Annapolis, Maryland from 6:00 to 9:00 PM. The purpose of the meeting is to inform the public of progress being made in the TMI-2 cleanup and to allow the public to voice concerns and make comments on any aspects of the cleanup. The status of the processed water will also be discussed.

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

Original signed by
Philip Grant for

William D. Travers
Deputy Program Director
TMI Program Office

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