May 24, 1985
NRC/TMI-85-038

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 MAY 20, 1985 - MAY 24, 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.
- RCS cooling is by natural heat loss to the reactor building ambient atmosphere. Incore thermocouple readings range from 72°F to 92°F with an average of 81°F. Average cold leg temperature is 59°F.
- Calculated reactor decay heat is less than 14 kilowatts.
- 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).
- The average reactor building temperature is 60°F. The reactor building airborne activity is 4.7 E-8 uCi/cc tritium, and 6.1 E-10 uCi/cc particulate, predominantly cesium 137.
- 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).

2. WASTE MANAGEMENT

- No EPICOR II or Submerged Demineralizer System (SDS) processing occurred this week.
- Total volume processed through SDS to date is 2,875,999 gallons, and the total volume processed through EPICOR II is 2,447,788 gallons.

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3. DOSE REDUCTION/DECONTAMINATION ACTIVITIES

- General cleanup continued in the control and service building basement.
- Shielding of the auxiliary building elevator shaft was completed.
- Cleanup is in progress in the 'A' RCBT cubicle.
- Decontamination is in progress in the tendon access gallery.
- 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.

4. ENVIRONMENTAL MONITORING

- 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 May 5, to May 11, 1985. A gamma scan detected no reactor related radioactivity.
- 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 May 4, to May 11, 1985. Gamma scans detected no reactor related radioactivity.
- The NRC outdoor airborne particulate sampler at the TMI Site collected a sample between May 16, and May 23, 1985. No reactor related radioactivity was detected. Analysis showed I-131 and Cs-137 concentrations to be less than the lower limits of detectability.
- The above EPA sample analysis results show TMI site liquid effluents to be in accordance with regulatory limits, NRC requirements, and the City of Lancaster Agreement.

5. REACTOR BUILDING ACTIVITIES

- Future work in the reactor building will be focused on preparations for the first phase of defueling in September 1985. The near term defueling preparations include installation of a 5-ton service crane over the refueling canal and completion of the Defueling Water Cleanup System.

6. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Installation of the Defueling Water Cleanup System (DWCS) continued.
- Boration of the processed water storage tank number 1 is in progress. The chemical addition will take about one month.

7. NRC EVALUATIONS IN PROGRESS

- Defueling Water Cleanup System Technical Evaluation
- Technical Specification Change Requests numbers 46 and 48
- Equipment Hatch Removal Safety Evaluation
- Recovery Operations Plan Change numbers 27 and 29
- Fuel Canister Technical Evaluation
- Fuel Handling Senior Reactor Operator Training Program
- Defueling Safety Evaluation

8. PROJECTED SCHEDULE OF FUTURE EVENTS

- Start of Defueling: September 1985

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William D. Travers
Deputy Program Director
TMI Program Office

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SURNAME ▶							
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