

August 5, 1985
NRC/THI-85-056

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

Bernard J. Snyder, Program Director
THI Program Office

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

SUBJECT: NRC THI PROGRAM OFFICE WEEKLY STATUS REPORT FOR
JULY 29, 1985 - AUGUST 4, 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 71°F to 90°F with an average of 80°F. Average cold leg temperature is 57°F.
- The average reactor building temperature is 59°F. The reactor building airborne activity is 2.6 E-9 uCi/cc Tritium and 3.4 E-10 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.

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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. The change in radiation levels from previous reports is the result of a change in the manner in which the average radiation level is determined. The averages are now based on occupancy time-weighting of tasks accomplished in the reactor building as opposed to the previous method of averaging survey meter readings. The new values are based on an attempt to report radiation levels representative of those to which workers are actually exposed.

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 July 13, to July 20, 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 July 21 to July 28, 1985. A gamma scan detected no reactor related radioactivity.
- The NRC outdoor airborne particulate sampler at the TMI Site collected a sample between July 25, and July 31, 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 continued over the reactor vessel.
- Equipment was staged into the reactor building and installation began on the cable management system.
- Work continued in support of installation of the reactor building service platform jib cranes.
- Loop calibration of DWCS instrumentation and final preparations for system preoperational testing continued this week.

6. 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.
- The first of four fuel canister racks are on site with further deliveries scheduled through August.

7. TMI-2 OCCUPATIONAL DOSE

- Total person-rem for January through June 1985 is 398. Total for March 1979 through June 1985 is 2,417 person-rem.

8. SHIPMENTS DURING JULY 1985

- Shipments of contaminated laundry were made to Royersford, PA on:
 - July 3 - 66 drums, 2 boxes
 - July 16 - 112 drums, 2 boxes
 - July 24 - 63 drums, 3 boxes
 - July 31 - 68 boxes
- July 2 - Liquid samples (Unit 1) to San Jose, California.
- July 2 - Liquid samples (Unit 1) to Rockville, Maryland.
- July 3 - Electrical equipment samples (Unit 2) to Richland, Washington.
- July 3 - Electrical equipment samples (Unit 2) to Scoville, Idaho.
- July 5 - Liquid samples (Unit 1) to Rockville, Maryland.
- July 18 - Three solidified resin liners (Unit 1) to Hanford, Washington.
- July 18 - 104 drums (Unit 1 and 2) compacted and non-compacted waste to Hanford, Washington.
- July 26 - 28 Boxes of uncompacted shield blocks to Hanford, Washington.

9. NRC EVALUATIONS IN PROGRESS

- Defueling Water Cleanup System Technical Evaluation (including Revision 6).
- Technical Specification Change Requests numbers 46, 48, 49, and 50.
- Recovery Operations Plan Change numbers 27, 29, 31, and 32.
- Fuel Canister Technical Evaluation.
- Fuel Handling Senior Reactor Operator Training Program .
- Defueling Safety Evaluation.
- Application for seismic exemption.
- The NRC Vendor Programs Branch performed an inspection at the Nuclear Energy Services (NES) facility in Greensboro, North Carolina, where the fuel storage canisters, fuel storage racks, and fuel canister transfer shields are being fabricated. The inspection examined construction activities and included a review of the implementation of the quality assurance program at NES. The inspection report, issued July 26, 1985, indicates that NES failed to meet certain NRC requirements related to implementation of its quality assurance program. NES is required to submit (1) a description of steps that have been or will be taken to correct those items identified in the report; (2) a description of the steps that have been or will be taken to prevent recurrence; and (3) the dates that the corrective actions and preventive measures were or will be completed.

10. PROJECTED SCHEDULE OF FUTURE EVENTS

- Start of Defueling - October 1985

11. PUBLIC MEETING

The next meeting of the Advisory Panel for the Decontamination of Three Mile Island Unit 2 is scheduled for September 1985 at a location in Annapolis, Maryland, the specific date and location will be identified later.



William D. Travers
Deputy Program Director
TMI Program Office

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