

November 26, 1984
NRC/TMI-84-082

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
NOVEMBER 18, 1984 - NOVEMBER 24, 1984

Data from effluent and environmental monitoring systems indicated no plant release in excess of regulatory limits. Waste processing continued on a routine basis. Plant parameters have shown no significant changes. Other site activities this period included: plenum assembly inspection, and continued fuel pool "A" refurbishment.

Significant items covered in the enclosure are:

- Reactor Building Activities
- Auxiliary and Fuel Handling Building Activities

Summary sheets included in this report are:

- Liquid Effluent and Environmental Data
- Plant Status Data

ORIGINAL SIGNED BY:
William D. Travers
Deputy Program Director
TMI Program Office

Enclosure: As stated

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ENCLOSURE

REACTOR BUILDING ACTIVITIES:

The installation of four jacks to initiate the lift of the plenum assembly is scheduled to commence on December 3, 1984. It is anticipated that the four jacks, rated at 50 tons each, will be capable of raising the plenum free from the core support assembly with minimal binding from potential plenum distortion. The jacks are designed to perform a level lift of the plenum to a height of nine inches. The polar crane will be used to complete the lift and to transfer the plenum to storage in the deep end of the refueling canal.

Four reactor building entries are scheduled during the last week in November. Most of the scheduled work involves plenum jacking preparations and general housekeeping.

AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES:

Decontamination efforts in the "A" fuel pool are concentrated on removal of contamination from the fuel pool walls. The makeup and purification demineralizer elution process was restarted on November 21, 1984.

APPENDIX 1

LIQUID EFFLUENT AND ENVIRONMENTAL DATA

GPU Nuclear

Based on sampling and monitoring, liquid effluents from the TMI site released to the Susquehanna River were determined to be within regulatory limits and in accordance with NRC requirements and the City of Lancaster Agreement.

During the period November 16, 1984 through November 22, 1984, liquid effluents contained no detectable radioactivity at the discharge point. Individual effluent sources originating within Unit 2 contained minute amounts of radioactivity. Calculations indicate that less than $6.7 \text{ E-}7$ (0.0000067) of a curie of Cs-137 and less than $2.1 \text{ E-}6$ (0.0000021) of a curie of gross beta activity were discharged.

Environmental Protection Agency

Lancaster Water Samples: 7 samples

Period Covered: November 4 - November 10, 1984

Results: Gamma Scan Negative for reactor related radioactivity

TMI Water Samples: 7 samples

Period Covered: November 3 - November 10, 1984

Results: Gamma Scan Negative for reactor related radioactivity

NRC Environmental Data

The NRC operated continuous air sampler at the TMI site was not changed this week. The next report will cover a two week period.

APPENDIX 2

PLANT STATUS

Reactor Vessel Configuration: Reactor vessel open with modified internals indexing fixture installed

Core Cooling Mode: Heat transfer from the reactor coolant system (RCS) to reactor building ambient

Available Core Cooling/Makeup Sources:

Standby pressure control (SPC) system
Reactor coolant bleed tank (RCBT) water transfer system
Mini decay heat removal (MDHR) system

Major Parameters as of 6:00 AM, November 26, 1984 (approximate values):

Reactor Coolant System:

Loop Temperatures:

	A	B
Cold Leg (1)	62°F	68°F
(2)	62°F	68°F

Reactor Core:

Average Incore Thermocouples:* 92°F
Maximum Incore Thermocouple:* 100°F
Decay Heat: 14.5 kilowatts

Reactor Building: Temperature: 63°F
Pressure: -0.09 psig

Airborne Radionuclide Concentrations:

Tritium: 2.0 E-7 uCi/cc (sample 11/19/84)
Particulates: 2.9 E-9 uCi/cc (sample 11/21/84)
predominately Cs-137

*Uncertainties exist as to the exact location and accuracy of these readings.