

April 2, 1984
NRC/TMI-84-024

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

Bernard J. Snyder, Program Director
TMI Program Office

FROM: Lake H. Barrett, Deputy Program Director
TMI Program Office

SUBJECT: NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT FOR
March 25, 1984 - March 31, 1984

Data from effluent and environmental monitoring systems indicated no plant releases in excess of regulatory limits. Waste processing continued on a routine basis. Plant parameters showed no significant changes. The reactor coolant system is depressurized and RCS level remains at 321'6".

Site activities this period included: preparations for head lift in late summer, reactor building air cooling system work and auxiliary and fuel handling building decontamination. Video mapping of the reactor vessel internals commenced on Thursday, March 29. (For more details see appropriate paragraphs below.)

Significant items covered in the enclosure are:

- Reactor Building Activities
- Auxiliary and Fuel Handling Building Activities
- Makeup and Purification Demineralizer Resin Disposal Status
- Waste Management Activities
- PEIS Supplement Update
- Public Meetings

Data summary sheets included in this report are:

- Liquid Effluent Data
- Environmental Data
- Radioactive Material/Radwaste Shipment Data
- Plant Status Data

Original signed by
Lake H. Barrett

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Lake H. Barrett
Deputy Program Director
TMI Program Office

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TMI*

Enclosure: As stated

OFFICE	TMI:PO	TMI:PO	TMI:PO	TMI:PO		
SURNAME	JBell:wa	RNF:asano	PJGrant	LHBarrett		
DATE	4/1/84	4/2/84	4/2/84	4/2/84		

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ENCLOSURE

REACTOR BUILDING ACTIVITIES:

Comprehensive video mapping of the reactor vessel internals commenced on March 29, 1984. Video mapping will continue through the week of April 1, 1984. The primary system will be refilled and pressurized to approximately 60 psig in mid-April. The refill will enable operators to more efficiently increase the boron concentration in the reactor coolant system (RCS) prior to head lift, which is currently scheduled for August 1984. While pressurized, normal RCS letdown to the bleed tanks will be initiated. Water in the bleed tanks will be processed through the submerged demineralizer system to remove cesium and strontium contamination and recycled back to the RCS. RCS cesium and strontium activity is approximately 4 uCi/cc and 12 uCi/cc, respectively.

AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES:

Decontamination activities continued this week. The major efforts were in the reactor bleed tank, decay heat and reactor building spray cubicles. Decontamination of the tanks in the fuel pool "A", in preparation for tank removal, will resume next week. All auxiliary building hallways have been decontaminated and given one coat of paint.

MAKEUP AND PURIFICATION DEMINERALIZER RESIN DISPOSAL STATUS:

Preparations continued for the removal of the radioactive resins from the makeup and purification demineralizers in late 1984. The processing hardware for the cesium removal system (Phase 1) was received onsite on March 29, 1984. The equipment will be tested prior to installation. Software for equipment installation and operation is in the preparation, review and approval process. Preliminary engineering for phases 2 and 3 of the project, which includes sluicing of the spent resins and packaging of the resin for shipping, has begun. Commencement of the cesium removal process is still scheduled for June 1, 1984.

WASTE MANAGEMENT ACTIVITIES:

SDS and EPICOR remained shutdown throughout the week.

PEIS SUPPLEMENT UPDATE

The NRC staff has extended to April 20, 1984, the period during which it will accept written comments on the draft supplement to the Programmatic Environmental Impact Statement (NUREG-0683, Supplement 1). The previous deadline for comments was April 2, 1984.

PUBLIC MEETINGS:

Past Meetings

1. On March 28, 1984 Lake Barrett participated in WVLY's (Lebanon, Pennsylvania) radio question and answer program.
2. On March 29, 1984, the Advisory Panel for the Decontamination of Three Mile Island, Unit 2 meeting was cancelled due to inclement weather.

Future Meetings

1. On April 5, 1984, Lake Barrett will meet with the Concerned Mothers of Middletown at 9:30 a.m. in the NRC's Middletown Office to discuss various TMI related issues.
2. On April 12, 1984, the Advisory Panel for the Decontamination of Three Mile Island, Unit 2 will meet from 7:00 p.m. to 10:00 p.m. in the Holiday Inn, 23 South Second Street, Harrisburg, Pennsylvania. The meeting will be open to the public. The major topic for the meeting will be the PEIS Supplement. Persons that have questions pertaining to the TMI-2 cleanup that would like to have them considered or addressed by the Advisory Panel and persons desiring the opportunity to speak before the Advisory Panel on TMI-2 cleanup related items are asked to contact, in writing, Mr. Joel Roth, R.D.#1, Box 411, Halifax, Pennsylvania 17032.

APPENDIX 1

LIQUID EFFLUENT DATA

GPU Nuclear

During the period March 24, 1984 through March 31, 1984 there were no liquid effluent releases from Unit II.

Environmental Protection Agency

Lancaster Water Samples:	7 samples
Period Covered:	March 11 - March 17, 1984
Results:	Gamma Scan Negative
TMI Water Samples:	7 samples
Period Covered:	March 10 - March 17, 1984
Results:	Gamma Scan Negative

APPENDIX 2

ENVIRONMENTAL DATA

EPA Environmental Data

The EPA Middletown Office has not reported the environmental Kr-85 analytical results for the samples which were taken subsequent to March 2, 1984. These results will be included in a subsequent report.

NRC Environmental Data

Results from the NRC continuous air sampler monitoring of the TMI site environment are as follows:

<u>Sample</u>	<u>Period</u>	<u>I-131</u> <u>(uCi/cc)</u>	<u>Cs-137</u> <u>(uCi/cc)</u>
HP-412	March 22, 1984 - March 30, 1984	<9.0 E-14	<9.0 E-14

APPENDIX 3

RADIOACTIVE MATERIALS/RADWASTE SHIPMENT DATA

- March 28, 1984, 123 drums of contaminated laundry were shipped to Interstate Uniform Service, New Kensington, Pennsylvania.
- March 31, 1984, five core debris samples were shipped to EG&G for DOE at Scoville, Idaho.

APPENDIX 4

PLANT STATUS

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

Available Core Cooling Mode: Mini Decay Heat Removal (MDHR) system.

RCS Pressure Control Mode: N/A

Major Parameters as of 5:00 AM, March 30, 1984 (approximate values):

Average Incore Thermocouples*: 87°F

Maximum Incore Thermocouple*: 131°F

RCS Loop Temperatures:

	A	B
Hot Leg**	62°F	69°F
Cold Leg (1)	60°F	64°F
(2)	60°F	64°F

Reactor Core Decay Heat: 18.0 Kilowatts

RCS Pressure: 0 psig

Reactor Building: Temperature: 63°F

Pressure: -0.15 psig

Airborne Radionuclide Concentrations:

6.5 E-8 uCi/cc H³ (Tritium)
(sample taken 3/28/84)

1.1 E-8 uCi/cc particulates
(predominately Cs-137)
(sample taken 3/29/84)

*Uncertainties exist as to the exact location and accuracy of these readings.
Maximum incore thermocouple reading taken February 22.

**Since the RCS draindown, hot leg temperature detectors are above water level.