June 18, 1984
NRC/TMI-84-042

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
June 10, 1984 - June 16, 1984

Lake H. Barrett, Deputy Program Director, TMIPO, will transfer effective June 24, 1984, to become Chief, Engineering Branch, in the NRC Office of Nuclear Materials Safety and Safeguards at Silver Spring, Maryland. Mr. Barrett has been Deputy Program Director since November 1980. Philip J. Grant has been named Acting Deputy Program Director pending selection of a permanent Deputy Program Director.

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 have shown no significant changes. (For more details see appropriate paragraphs below.)

Significant items covered in the enclosure are:

-- New Assignment for Lake H. Barrett
-- Reactor Building Activities
-- Auxiliary and Fuel Handling Building Activities
-- Waste Management
-- 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:
A. N. FASANO for//
Lake H. Barrett
Deputy Program Director
TMI Program Office

IDIE-5
TMI

Enclosure: As stated

OFFICE ➤						
SURNAME ➤						
DATE ➤						

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OFFICE	TMIPO	TMIPO	TMIPO	TMIPO			
SURNAME	DCollins/lmp	AFasano	PGrant	LBarrett			
DATE	6/18/84	6/18/84	6/18/84	6/18/84			

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ENCLOSURE

NEW ASSIGNMENT FOR LAKE H. BARRETT, DEPUTY PROGRAM DIRECTOR, TMIPO:

Lake H. Barrett, Deputy Program Director of the Three Mile Island Program Office since November 1980 will transfer on June 24, 1984 to Silver Spring, Maryland. Mr. Barrett's assignment will be within the Office of Nuclear Materials Safety and Safeguards as Chief, Engineering Branch, Division of Waste Management. He will be responsible for the regulatory engineering aspects of high and low level nuclear waste disposal facilities and uranium mill tailings sites. Mr. Barrett has been the NRC's lead onsite individual with responsibility for the regulatory aspects of major cleanup activities including reactor building basement water processing, in-core monitoring, waste processing and disposal, and the refurbishment and load-testing of the polar crane.

Philip J. Grant, Chief, Technical Support Section, TMIPO, has been named Acting Deputy Program Director, and will be the NRC's senior onsite representative pending selection of a permanent Deputy Program Director.

REACTOR BUILDING ACTIVITIES:

Reactor Coolant System (RCS) depressurization and draindown commenced on Friday, June 15, 1984. Approximately 35,000 gallons of primary water will be drained to a storage tank to prepare the system for reactor vessel head removal. For head removal, the RCS water will be maintained at approximately the same level as during previous data acquisition experiments. The head holddown bolts are scheduled to be detensioned in July and the head lift is expected to occur during early August, 1984.

Following head lift, reactor building efforts will be focused on inspecting the reactor vessel interior and preparations for plenum removal. The plenum is an internal cylindrical reactor vessel component which must be removed to gain access to the reactor core for defueling. Assuming no major complications, the plenum is scheduled for removal in May 1985 and the first phase of defueling would commence in August 1985.

AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES:

Work continued on the refurbishment of the "A" fuel pool. The fuel transfer carriages have been removed and decontamination water flushing of the lower tanks continued. GPU Nuclear is preparing for chemical decontamination of the six tanks to reduce contamination levels so that the tanks may be used for non-radioactive applications.

Work continued on the installation of the reactor building chilled water system. Decontamination activities continued in the buildings.

WASTE MANAGEMENT ACTIVITIES:

The Submerged Demineralizer System (SDS) continues to process batch 93 from the lower tank farm in the "A" fuel pool. This water has been generated by the ongoing decontamination of the lower tank farm.

EPICOR II began processing batch 213 from the "A" monitor tank on June 15, 1984. The "A" monitor tank contains the effluent from SDS batch 93.

PUBLIC MEETINGS:

Past Meeting:

On June 14, 1984, the Advisory Panel for the Decontamination of Three Mile Island Unit 2 held a meeting in Harrisburg, Pennsylvania. The Chairman of the Panel, A. Morris, provided a short summary of the Panel's May 10, 1984, TMI-2 site tour and the May 30, 1984 meetings with White House staff members and the NRC Commissioners. Both May 30th meetings were held in Washington, DC.

W. Bixby, DOE Site Manager, provided an update of DOE activities related to TMI-2. Dr. Bixby provided information on the 1984 DOE funding level for the cleanup and the current status of DOE's agreement with GPUNC concerning DOE's acceptance of TMI-2 generated abnormal wastes.

S. Hultman, GPUNC, presented a summary of the licensee's planned reactor pressure vessel head lift stressing the licensee's activities to assure safe removal of the reactor pressure vessel head.

B. Snyder, Director of the TMI Program Office, NRC, provided a short explanation of the NRC's safety review of the licensee's procedures for the reactor pressure vessel head lift.

P. Clark, President of GPUNC, summarized the 1984 funding situation for the cleanup of the damaged reactor. Mr. Clark stated that $93.2 million is available in the calendar year of 1984 for TMI-2 cleanup related activities. He stated that the company is aiming for a mid 1985 date for the initiation of fuel removal from the reactor pressure vessel. Mr. Clark also mentioned that the company has a request before the Pennsylvania Public Utilities Commission (PaPUC) to allow $17 million annually, that is presently being used to amortize the TMI-2 debt, to be applied to the cleanup effort. The Panel approved a motion endorsing the company's request before the PaPUC and will inform the PaPUC in writing of the Panel's position on this issue.

At the conclusion of the meeting, the Panel received comments and statements from members of the public.

Future Meetings:

1. The meeting schedule for June 21, 1984, with the Concerned Mothers of Middletown has been cancelled at their request.

2. On July 2, 1984, Phil Grant will meet with the Friends and Family of TMI in the NRC's office located at 100 Brown Street, Middletown, to discuss issues pertaining to TMI.

APPENDIX 1

LIQUID EFFLUENT 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 June 8 through June 14, 1984, there were no liquid effluents released from TMI-2.

Environmental Protection Agency

Lancaster Water Samples:	7 samples
Period Covered:	May 27 - June 2, 1984
Results:	Gamma Scan Negative
TMI Water Samples:	7 samples
Period Covered:	May 26 - June 2, 1984
Results:	Gamma Scan Negative

APPENDIX 2

ENVIRONMENTAL DATA

NRC Environmental Data

A continuous outdoor air sampler operated by the NRC at the TMI site did not detect any reactor related radioactivity. The air sampler results are listed below.

Sample	Period	I-131 (uCi/cc)	Cs-137 (uCi/cc)
HP-423	June 6 - 13, 1984	<1.3 E-13	<1.3 E-13

APPENDIX 3

RADIOACTIVE MATERIALS/RADWASTE SHIPMENT DATA

-- On June 11, 1984, two shipments of radioactive waste, consisting of noncompacted waste in steel boxes from Unit 1 and noncompacted waste in steel boxes and dewatered resins in steel liners from Unit 2 were sent to the U.S. Ecology Waste Disposal Facility at Hanford, Washington.

-- On June 13, 1984, a combined Unit 1 and 2 shipment consisting of radioactively contaminated laundry, was sent to Interstate Nuclear Services at New Kensington, Pennsylvania.

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: Standby Pressure Control (SPC) System

Major Parameters as of 6:00 AM, June 15, 1984 (approximate values):
Average Incore Thermocouples*: 94°F
Maximum Incore Thermocouple*: 133°F

RCS Loop Temperatures:

	A	B
Hot Leg	80°F	86°F
Cold Leg (1)	76°F	78°F
(2)	79°F	79°F

Reactor Core Decay Heat: 16.5 kiloWatts

RCS Pressure: 58 psig

Reactor Building: Temperature: 79°F
Pressure: -0.2 psig
Airborne Radionuclide Concentrations:

2.3 E-7 uCi/cc H^3 (Tritium)
(sample taken 6/10/84)

8.0 E-9 uCi/cc particulates
(predominately Cs-137)
(sample taken 6/14/84)

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