

DISTRIBUTION
 TMIPO HQ r/f
 TMI SITE r/f
 CENTRAL FILE
 NRC PDR
 LOCAL PDR
 Site Operations
 File

November 1, 1982
 NRC/TMI-82-065

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

Enclosed is the status report for the period of October 24 - October 30, 1982.
 Major items included in this report are:

- Liquid Effluents
- EPA and NRC Environmental Data
- TMI Occupational Exposure
- Radioactive Material and Radwaste Shipments
- Submerged Demineralizer System Status
- EPICOR II
- Reactor Building Entries
- EPICOR II Prefilter Shipment Status
- TMI Aerial Radiological Survey
- Public Meetings

Original signed by
 Lake H. Barrett

Lake H. Barrett
 Deputy Program Director
 TMI Program Office

*Original
 X TMI
 TH*

Enclosure: As stated

8211240397 821101
 PDR ADOCK 05000320
 R PDR

OFFICE						
SURNAME						
DATE						

Harold R. Denton
Bernard J. Snyder

-2-

November 1, 1982

cc w/encl:
EDO
OGC
Office Directors
Commissioner's Technical Assistants
NRR Division Directors
NRR A/D's
Regional Administrators
IE Division Directors
TAS
EIS
TMI Program Office Staff (15)
PHS
EPA
DOE
RI Division Directors
Public Affairs, RI
State Liaison, RI

OFFICE	TMIP0 <i>MS</i>	TMIP0	TMIP0 <i>MS</i>	TMIP0	TMIP0 <i>MS</i>	TMIP0 <i>MS</i>
SURNAME	LGage:js	JWiebe	MShanbaky <i>MS</i>	APasano	RBellamy	LBarrett <i>MS</i>
DATE	11/1/82	11/ /82	11// /82	11/1/82	11/ /82	11/ /82

NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT

October 24, 1982 - October 30, 1982

Plant Status

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

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

RCS Pressure Control Mode: RCS is vented to the reactor building.

Major Parameters (as of 0400, October 29, 1982) (approximate values)

Average Incore Thermocouples*: 109°F

Maximum Incore Thermocouple*: 130°F

RCS Loop Temperatures:

	A	B
Hot Leg**	87°F	84°F
Cold Leg (1)	70°F	71°F
(2)	72°F	72°F

Pressure: The reactor coolant system is vented to the reactor building.

Reactor Building: Temperature: 62°F
Pressure: -0.25 psig
Airborne Radionuclide Concentrations:

7.5 E-7 uCi/cc H³
(sample taken 10/25/82)

1.7 E-9 uCi/cc particulates
(sample taken 10/28/82)

1. Effluent and Environmental (Radiological) Information

Liquid effluents from the TMI site released to the Susquehanna River after processing, were made within the regulatory limits and in accordance with NRC requirements and City of Lancaster Agreement.

During the period October 22, 1982, through October 28, 1982, the effluents contained no detectable radioactivity at the discharge point and individual effluent sources, which originated within Unit 2, contained no detectable radioactivity.

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

**The primary water level is below the hot leg temperature sensors.

2. Environmental Protection Agency (EPA) Environmental Data

The EPA measures Kr-85 concentrations at several environmental monitoring stations and reported the following results:

<u>Location</u>	<u>September 24, 1982 - October 8, 1982</u> (pCi/m ³)
Goldsboro	24
Middletown	25
Yorkhaven	24
TMI Observation Center	24

- The EPA Middletown Office has not received the environmental Kr-85 results for the samples which were taken subsequent to October 8, 1982 from the EPA's Counting Laboratory at Las Vegas, Nevada. These results will be included in a subsequent report.
- No radiation above normally occurring background levels was detected in any of the samples collected from the EPA's air and gamma rate networks during the period from October 21, 1982 through October 28, 1982.

3. NRC Environmental Data

The NRC air sampler was modified and was out of service from October 20 to October 27, 1982. It was put back in service on October 27, 1982. The results from the air sampler will be reported in the next weekly status report.

4. TMI Occupational Exposure

The licensee has redistributed TLD (Thermoluminescent Dosimeter) data regarding TMI occupational radiation exposure; the following preliminary data was made available to the NRC. (Numbers are total man-rem per Unit.)

<u>Period</u>	<u>Unit I</u>	<u>Unit II</u>
1/1 - 3/27/1979	351.320	7.170
3/28 - 4/30/1979	68.100	138.263
5/1 - 12/31/1979	<u>302.977</u>	<u>515.881</u>
Total 1979	722.397	661.314
1/1 - 12/31/1980	169	207
1/1 - 12/31/1981	201	146

5. Licensee Radioactive Material and Radwaste Shipments

- On October 26, 1982, 67 LSA drums, boxes, and a liner from Unit 1 were shipped to Barnwell Waste Management Facility, Barnwell, South Carolina.

- On October 26, 1982, 68 LSA drums, boxes, and a liner from Unit 1 were shipped to Barnwell Waste Management Facility, Barnwell, South Carolina.
- On October 27, 1982, one container of five Unit 1 liquid samples (500 milliliter samples) was shipped to Nuclear Water and Waste Technology, San Jose, California.
- On October 28, 1982, one Unit 2 EPICOR II Prefilter (PF-9) was shipped to the Idaho National Engineering Laboratory, Scoville, Idaho.
- On October 29, 1982, 87 drums containing contaminated laundry from Units 1 and 2 were shipped to Interstate Uniform Services, New Kensington, Pennsylvania.

Major Activities

1. Submerged Demineralizer System (SDS). SDS is presently in a standby status. No water is ready to be processed.
2. EPICOR II. The EPICOR II system is presently in standby status. No water is ready to be processed.
3. Reactor Building Entries. Four reactor building entries were conducted during this week, and the hands-on decontamination of the polar crane was completed. (This was the primary activity in the reactor building.) Three reactor building entries have been scheduled for the first week in November. Installation of electrical power to the polar crane is scheduled to start on the first entry. Later in the week, the control circuitry to various drive components of the polar crane will be tested. Electrical testing of the polar crane motors is scheduled for the latter part of November. Decontamination of the 347 ft. elevation surfaces and remote decontamination of the D-ring interiors is also scheduled to begin.
4. EPICOR II Prefilter Shipment Status. One EPICOR II prefilter shipment was made from TMI to the Idaho National Engineering Laboratory (INEL) this week: PF-9 (10/28/82). Two prefilters are scheduled to be shipped to INEL next week: PF-45 and PF-46.
5. TMI Aerial Radiological Survey. The aerial radiological survey of the Three Mile Island area began on Tuesday, October 26, 1982. The island overflights are expected to continue for approximately two weeks.

Past Meetings

1. On Friday October 29, 1982, Lake H. Barrett met with the Concerned Mothers of Middletown to discuss various TMI issues including the November 9, 1982 Commission meeting. They expressed their concern that Unit 1 should not be restarted prior to completion of the Unit 2 cleanup.
2. On Friday, October 29, 1982, Lake H. Barrett met with representatives from the Friends and Family of TMI to discuss various TMI issues including the November 9, 1982 Commission meeting.

Future Meetings

1. On November 9, 1982, the NRC Commissioners will hold two public meetings to discuss the potential restart of TMI Unit 1. The first meeting will hear oral presentations from the parties involved in the formal TMI Unit 1 restart proceedings. This meeting will be opened for public attendance (not public participation) and will be held from 3:00 to 5:00 PM at the William Penn Museum Auditorium, Third and North Streets, Harrisburg, Pennsylvania.

The second meeting is scheduled in the evening to hear the views of concerned citizens who are not parties to the formal restart proceedings. The speakers for the evening meeting will be selected by Mr. John E. Minnich, Chairman of the Dauphin County Board of Commissioners and also Chairman of the NRC Advisory Panel for Decontamination of TMI Unit 2. He will select the speakers from a list of people who requested to speak at the meeting by calling the NRC's TMI office during October 21 through October 27, 1982.

2. On November 12, 1982, Lake H. Barrett will meet with the Concerned Mothers of Middletown to discuss TMI related issues.
3. On November 17, 1982, the Advisory Panel for the decontamination of TMI Unit 2 will hold a meeting --open for public observation-- to discuss the current status of cleanup efforts and the disposition of processed water. The meeting will take place at the Holiday Inn, 23 South Second Street, Harrisburg, Pennsylvania, from 7:00 to 10:00 PM.
4. On December 1, 1982, Lake H. Barrett will present a paper on TMI to the New England Chapter of the Health Physics Society in Boston, Massachusetts.
5. On December 5, 1982, Lake H. Barrett will meet with Friends and Family of TMI to discuss various TMI-2 issues.