June 20, 1983
NRC/TMI-83-038

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 12 - 18, 1983

Data from effluent and environmental monitoring systems indicated no plant releases in excess of regulatory limits. Waste shipments and water processing tasks continued on a routine basis. Plant parameters showed no significant changes. General clean-up and preparations for headlift continued.

Major activities this week were ongoing surfaces and drain decontamination in the Auxiliary Building, continued decon facility construction, "A" spent fuel pool refurbishment, procedure review and continued followup of polar crane issues. Four Reactor Building entries supported miscellaneous tasks. (For more details see appropriate paragraphs below.)

Significant items included in the enclosure are:

-- Auxiliary and Fuel Handling Activities
-- Reactor Building Activities
-- Polar Crane Status
-- Defueling Preparation Activities
-- Waste Management Activities
-- Schedule of Future Activities
-- NRC International Programs Office Assignment

Data summary sheets included in this report are:

-- Liquid Effluents
-- Environmental Data
-- Radioactive Material/Radwaste Shipment Data
-- Water Processing Data
-- Plant Status Data

tasks in various locations. Trash re[illegible]

for Lake H. Barrett
Deputy Program Director
TMI Program Office

IDAR-5
TMI

Enclosure: As stated

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DATE ▶							

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ENCLOSURE

AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES:

The major ongoing activity in the Auxiliary and Fuel Handling Buildings (AFHB) continues to be the decontamination of the 282' elevation. Cleaning of the Auxiliary Building floor drains commenced this week on the 328' elevation.

Expansion of the decontamination facility continued with the installation of windows and skylights and continued work on the shell structure. Large sections of duct work were also moved into place for installation of the ventilation system.

Supporting procedures governing the operation and use of the newly purchased decontamination equipment are still in the licensee review chain.

Routine trash compaction and tool separation/decontamination continued in support of other tasks and activities presently in progress.

Fuel Handling Building crane maintenance is continuing with rail realignment expected to be completed in early July. The release of this crane for use will permit the resumption of SDS liner shipments. The crane is necessary to transfer the shipping cask into the spent fuel pool, load the SDS liner, transfer both the cask and liner to the truck bay, and load the cask on the shipping trailer.

REACTOR BUILDING ACTIVITIES:

The scope of activities in the Reactor Building continued to be curtailed this week pending repair of the ruptured high pressure decontamination hose. Four entries occurred during the week.

The major activity was the assessment and repair of the ruptured hose and its penetration (No. 561). This involved replacement and leak testing of the Reactor Building penetration rupture disc and repairs to the high pressure decontamination hose. The hose should be returned to service beginning next week.

Miscellaneous tasks performed were visual and photo surveys of the decontamination work. Equipment was staged to support upcoming planned tasks (e.g. LOCA duct decontamination). Removal, replacement and repair of two of the closed circuit TV cameras were performed. These cameras are part of an eight camera surveillance system which allows Command Center personnel to monitor workers inside containment. The camera locations are changed periodically to monitor tasks in various locations. Trash removal and general housekeeping activities continued.

POLAR CRANE STATUS:

The NRC staff continues to review Reactor Building 5-ton hoist procedures for staging and installing shielding, and other miscellaneous tasks in containment. The licensee has informed the NRC staff that amendments to the Polar Crane

2. EPICOR II Prefilter (PF) Shipments. Three EPICOR II prefilters (PF-13, PF-15 and PF-17) were shipped from TMI to the Idaho National Engineering Laboratory (INEL) this week. These shipments represent 44, in a group of 50 liners, that have been sent to INEL over the past year. One prefilter is scheduled for shipment next week. Modifications will be made to the prototype gas sampler to accommodate the raised vent plugs on the final four EPICOR II prefilters. The licensee anticipates having all prefilters shipped offsite by July 5, 1983.

SCHEDULE OF FUTURE ACTIVITIES:

1. Primary system depressurization and draindown is tentatively scheduled for mid-July.

2. Plans to sample the reactor coolant drain tank sludge will begin, at the earliest, in six weeks. Characterization and removal of this material will follow.

3. Plans to resample and characterize the Reactor Building basement sludge are also under consideration for this summer. GPU is presently considering use of a specially developed remote sump sludge removal system which could be used for the eventual removal and disposal of the sludge.

4. The remaining two and one-half leadscrews are scheduled to be shipped from TMI in July to Idaho National Engineering Laboratory (INEL). Gamma scans and some fission product characterization are planned.

NRC INTERNATIONAL PROGRAMS OFFICE ASSIGNMENT

Mr. Dominique Hennart has reported to the NRC TMIPO for a six month assignment. Mr. Hennart represents the Belgian Centre d'Etude de L'Energie Nucleaire (CEN) and was assigned to TMI-2 by the NRC International Programs Office.

APPENDIX 2

ENVIRONMENTAL DATA

EPA Environmental Data

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

Location	May 13, 1983 - May 27, 1983 (pCi/m^3)
Goldsboro	25
Middletown	28
Yorkhaven	31
TMI Observation Center	27

-- 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 June 7, 1983, through June 15, 1983.

NRC Environmental Data

The NRC continuous air sampler was taken out of service on June 17, 1983, for periodic maintenance and repairs. Results will be reported as soon as work is completed and the sampler is returned to service.

APPENDIX 4

WATER PROCESSING DATA

Submerged Demineralizer System (SDS)

SDS began processing of Reactor Building sump water on June 3, 1983. This batch will consist of approximately 90,000 gallons. Performance parameters will be included in the weekly status report upon completion of the batch.

EPICOR II

EPICOR II processed approximately 32,500 gallons of SDS effluents during the week; the performance parameters are included in the table below.

EPICOR Performance Parameters

June 10, 1983 to June 13, 1983

Radionuclide	Average Influent (uc/ml)	Average Effluent (uc/ml)	Percent Removed
Cesium 137	6.2×10^{-6}	1.3×10^{-7}	97.9
Strontium 90	6.7×10^{-4}	1.9×10^{-5}	97.2
Antimony 125	1.6×10^{-3}	2.9×10^{-7}	99.9