

August 25, 1986
NRC/TMI-86-083

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

Frank J. Miraglia, Director
Division of PWR Licensing-B

FROM: William D. Travers, Director
TMI-2 Cleanup Project Directorate

SUBJECT: NRC TMI-2 CLEANUP PROJECT DIRECTORATE WEEKLY STATUS
REPORT FOR AUGUST 18 - 24, 1986

1. DEFUELING

- Bulk defueling operation continues using heavy duty hydraulic chisel and small spade bucket tools. Two fuel canisters have been filled to date since operations began August 12, 1986.
- Hydrogen peroxide was added to reactor coolant to kill the microorganisms which reduce visibility, thereby hampering defueling operations.

2. PLANT STATUS

- The reactor remains in long term cold shutdown, vented to the atmosphere. Core cooling is by natural heat loss to ambient building atmosphere. The average incore thermocouple reading is 82°F.
- The airborne radioactivity on the defueling platform above the reactor vessel is about 6.0 E-7 uCi/cc Tritium and 5.6 E-12 uCi/cc particulates, predominately Cesium-137 and Strontium-90. About 15 feet of water over the core region and 6 feet over the carousel holding the defueling canisters provide shielding.

3. ENVIRONMENTAL MONITORING

- US Environmental Protection Agency (EPA) sample analysis results show that TMI site liquid effluents are in accordance with regulatory limits, NRC requirements, and The City of Lancaster Agreement.

8608270378 860825
PDR ADDOCK 05000320
R PDR

OFFICE							
SURNAME							
DATE							

- The Lancaster water sample taken at the water works river intake and analyzed by EPA consisted of a seven day composite sample taken August 3 - 9, 1986. A gamma scan detected no reactor related activity.
- TMI water samples taken by EPA at the plant discharge (includes Units 1 and 2) to the river consisted of seven daily composite samples taken from August 2 - 9, 1986. A gamma scan detected no reactor related activity.
- The EPA analysis of the NRC outdoor air sample for the period August 14 - 21, 1986 showed that concentrations of Cs-137 and I-131 were below the lower limit of quantitative detectability for the system.

4. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Hands-on decontamination of Neutralizer Tank Pump room and Reactor Coolant Evaporator room has been started.
- Kelly vacuuming decontamination on "A" Bleed Tank room and Concentrated Liquid Waste Pump room continues.

5. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Request numbers 49, and 51.
- Recovery Operations Plan Change numbers 31 and 36.
- Solid Waste Facility Technical Evaluation Report.
- Reactor Building Sump Criticality Safety Evaluation Report.
- Defueling Canister Technical Evaluation Report, Revision 2.
- Heavy Load Safety Evaluation Report, Revision 3.
- Defueling Safety Evaluation Report.
- Disposal of Processed Water Report.

6. PUBLIC MEETING

The next meeting of the Advisory Panel is scheduled for October 8, 1986 from 7:00 PM to 10:00 PM at a location to be determined.

Persons desiring to speak before the Advisory Panel are requested to contact Mr. Thomas Smithgall at 717-291-1042, or write him at 2122 Marietta Avenue, Lancaster, PA 17603.

ORIGINAL SIGNED BY:
William D. Travers

William D. Travers
Director
TMI-2 Cleanup Project Directorate

OFFICE							
SURNAME							
DATE							

Harold R. Denton
Frank J. Miraglia

3

August 25, 1986
NRC/TMI-86-083

INTERNAL DISTRIBUTION

CENTRAL FILE

NRC PDR

LOCAL PDR

EDO

OGC

EPA

DOE

RI Regional Administrator

RI Division Directors

Public Affairs, RI

State Liaison, RI

TMI HQ r/f

TMI SITE r/f

TMI-2 Project Section File

TMI Cleanup Project Directorate (10)

OFFICE ▶	TMICPD	TMICPD	TMICPD	TMICPD			
SURNAME ▶	L. J. Miraglia	C. Cowgill	Act. Chief	W. Travers			
DATE ▶	8/25/86	8/25/86	Tech Support 8/ /86	8/25/86			