

50-320

October 10, 1986  
NRC/TMI-86-100

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 OCTOBER 6 - 10, 1986

1. DEFUELING

- Defueling activities to date have resulted in approximately 19 percent (57,279 lbs.) of the total core debris being loaded into defueling canisters. Two shipments, involving three loaded shipping casks, have resulted in the transfer of approximately 4 percent (12,000 lbs.) of the core debris to the Idaho National Engineering Laboratory.
- The licensee has issued (10/8/86) a revised Program Master Schedule for the TMI-2 cleanup project. The latest schedule continues to project the current phase of the cleanup to be complete by the end of the third quarter of CY 1988. In-vessel and ex-vessel defueling completion dates, however, have been delayed approximately 2½ months to mid-December 1987.
- Pick and place defueling has been discontinued to perform a core debris bed video survey. The video survey is used to verify the absence of end fittings on the debris bed prior to core bore operations. End fittings can cause rapid degradation of drill bit cutting rates. Any end fittings observed during the video survey will be removed. Installation of the drilling rig is expected for the week of October 13, 1986.

2. 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.
- The Lancaster water sample taken at the water works river intake and analyzed by EPA consisted of a seven day composite sample taken September 20 - 27, 1986. A gamma scan detected no reactor related activity.

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- 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 September 20 - 27, 1986. A gamma scan detected no reactor related activity except.
- The EPA analyses of the IRC outdoor air sample for the period October 2 - 10, 1986 showed that concentrations of Cs-137 and I-131 were below the lower limit of quantitative detection (LLD) for the system. The LLD varies around a value of  $1E-13$  uCi/cc.

3. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Start-up testing of the sludge transfer system continues.

4. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Request numbers 49, 51, 52, and 54.
- Recovery Operations Plan Change numbers 31 and 33.
- Solid Waste Facility Technical Evaluation Report.
- Heavy Load Safety Evaluation Report, Revision 3.
- Disposal of Processed Water Report.
- Sediment Transfer and Processing System SER.
- SER for Use of Plasma Arc Cutting Torch.
- Core Bore Operations (as a defueling method).

5. PUBLIC MEETING

The Advisory Panel for the Decontamination of Three Mile Island Unit 2 met on October 8, 1986 in Harrisburg. At the meeting the licensee briefed the Panel on the progress of defueling and on the status of funding for the remainder of the cleanup. The EPA presented the results of its recent review of the TMI offsite radiation monitoring program.

The next panel meeting is tentatively scheduled for December 10, 1986. At that meeting the licensee will give a presentation on their licensing submittal for the Post Defueling Plant Status. That submittal is scheduled for issue to the NRC staff in November.

**ORIGINAL SIGNED BY,**  
William D. Travers

William D. Travers  
Director  
TMI-2 Cleanup Project Directorate

OFFICE						
SURNAME						
DATE						

Harold K. Denton  
Frank J. Miraglia

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