

October 6, 1986
NRC/TMI-86-099

50-320

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 SEPTEMBER 29 - OCTOBER 5, 1986

1. DEFUELLING

- Removal of end fittings from the debris bed continued throughout the week and was completed during the weekend. Twenty-two end fittings were removed using a three point gripper. Three were placed in fuel canisters, the remaining 19 were stored in five end fitting storage drums. Removal of the end fittings has cleared the bed for additional core boring.
- Pick and place defueling is now in progress and will continue until the licensee begins installation of the core bore equipment in about one week.
- Water clarity has improved significantly as a result of Defueling Water Clarity System (DWCS) operations. Long-term water clarity continues to be a problem and is compounded by the short operational lifetime of DWCS filters. Efforts continue to solve the clarity and filter plugging problems.

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 14 - 20, 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

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samples taken from September 13 - 20, 1986. A gamma scan detected no reactor related activity except.

- The EPA analyses of the NRC outdoor air sample for the period September 25 - October 2, 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.
- End Fitting Storage SER was approved on September 25, 1986.
- SER for Use of Plasma Arc Cutting Torch.
- Core Bore Operations (as a defueling method).

5. PUBLIC MEETING

The next meeting of the Advisory Panel for the Decontamination of Three Mile Island Unit 2 will be held on October 8, 1986 at the Holiday Inn, Center City, Harrisburg, PA from 7:00 PM to 10:00 PM.

At this meeting the licensee will brief the Panel on the progress of defueling and on the status of funding for the remainder of the cleanup. The EPA will present the results of its recent review of the TMI offsite radiation monitoring program. Members of the public will be given the opportunity to address the panel.

Persons desiring to speak before the Advisory Panel are requested to contact Mr. Thomas Smithgall at 717-291-1042, or write him at 2133 Marietta Avenue, Lancaster, PA 17603.

ORIGINAL SIGNED BY:
William D. Travers

William D. Travers
Director
TMI-2 Cleanup Project Directorate

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Harold R. Denton
Frank J. Miraglia

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