

October 20, 1986  
NRC/THI-86-102

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  
THI-2 Cleanup Project Directorate

SUBJECT: NRC THI-2 CLEANUP PROJECT DIRECTORATE WEEKLY STATUS  
REPORT FOR OCTOBER 11 - 19, 1986

1. DEFUELING

- The core drilling rig has been installed on the shielded work platform and the debris bed cleared of end fittings in preparation for drilling operations. The drilling operations are expected to begin on Monday, October 20, 1986.

2. ENVIRONMENTAL MONITORING

- US Environmental Protection Agency (EPA) sample analysis results show that Thi 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 28 - October 4, 1986. A gamma scan detected no reactor related activity.
- THI 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 27 - October 4, 1986. A gamma scan detected no reactor related activity.
- The EPA analyses of the NRC outdoor air sample for the period October 9 - 16, 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.

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3. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Kelly vacuuming continues in the annulus area between the reactor building and fuel handling building. Work continues on the 281' and has been completed on the 305', 328', and 347' elevations.
- A two week campaign to flush the make-up and purification system piping was completed. The purpose of the flush was to reduce exterior dose rates around the piping.
- Scabbing has been started in the east corridor of the 328' elevation fuel handling building.

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.
- SER for Use of Plasma Arc Cutting Torch.

5. EVALUATIONS COMPLETED

The NRC staff approved OPII's Core Bore Operations Safety Evaluation Report (SER) on October 16, 1986. This permits expanded use of the core drilling rig as a detooling tool. The drill rig will be used to drill holes in the hard crust on top of the core. The drilling is limited to the area above the lower core grid and within a 48" radius of core center. Drilling operations are expected to last several weeks.

6. PUBLIC MEETING

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

Persons desiring to speak before the Advisory Panel are requested to contact Mr. Thomas Saffgall 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

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