

50-420
November 3, 1986
NRC/THI-86-106

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 27 - NOVEMBER 2, 1986

1. DEFUELING

The core drilling rig has drilled 101 holes through the hard crust at the top of the remaining core material. The test pattern area (19 holes) has been drilled down through part of the region containing fuel pins. These holes end approximately 2 inches above the bottom spacer grid on the fuel assembly. Removal of the drilled fuel pin material from the test pattern area is scheduled for Monday, November 3, 1986. This will check the effectiveness of drilling fuel pins as a defueling technique.

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 October 12 - 18, 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 October 11 - 18, 1986. A gamma scan detected no reactor related activity.
- The EPA analyses of the NRC outdoor air sample for the period October 23 - 31, 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

- Decontamination of the seal injection cubicles continues.
- Reclamation of clogged Defueling Water Cleanup System (DWCS) filter canisters by flushing with hot boric acid is in progress.
- Modifications are in progress to the fuel handling building (FHB) ventilation system. These modifications are in support of the installation of an engineered safety feature grade FHB ventilation system for TMI-1 as mandated by the TMI-1 restart license conditions.

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.
- Safety Evaluation Report for Use of Plasma Arc Cutting Torch.

5. MEETING

The next meeting of the Advisory Panel is tentatively scheduled for December 10, 1986. Exact time and location of the meeting will be announced in the future.

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

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Harold R. Denton
Frank J. Miraglia

3

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