

50-320

October 27, 1986
NRC/THI-86-104

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 20 - 26, 1986

1. DEFUELING

- The core drilling rig successfully drilled a test pattern of 19 holes through the crust at the top of the remaining core material. The loose material from the drilling operation was readily removed from the test area using existing tooling (i.e., heavy duty spade bucket). A drilling test on intact fuel pins in the test pattern area has been started (3 of the 19 holes). Production drilling near the core center line has also begun.
- Startup and test operations continue on the Defueling Water Cleanup System (DWCS) ion exchange system. Use of the ion exchangers in conjunction with the DWCS filters will aid in maintaining reactor coolant system water clarity and will reduce the activity levels of the coolant.

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 5 - 11, 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 4 - 11, 1986. A gamma scan detected no reactor related activity.

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- The EPA analyses of the HRC outdoor air sample for the period October 16- 23, 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 16-13 uCi/cc.

3. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Startup and test of the DPCS ion exchangers continues.

4. HRC 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. MEETINGS

- 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 Defueling 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 Smithgall at 717-291-1042, or write him at 2122 Marietta Avenue, Lancaster, PA 17603.

- Dr. Travers will give a presentation on the status of the TH-2 cleanup project to the HRC Region IV staff at the Resident Inspector Counterpart meeting in Arlington, Texas, on October 28, 1986.

ORIGINAL SIGNED BY:
William D. Travers

William D. Travers
Director
TH-2 Cleanup Project Directorate

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Harold R. Denton
Frank J. Miraglia

3

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