

August 25, 1986
NRC/THI-86-083

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 AUGUST 18 - 24, 1986

1. DEFUELING

- Bulk defueling operation continues using heavy duty hydraulic chisel and small spade bucket tools. Two fuel canisters have been filled to date since operations began August 12, 1986.
- Hydrogen peroxide was added to reactor coolant to kill the microorganisms which reduce visibility, thereby hampering defueling operations.

2. PLANT STATUS

- The reactor remains in long term cold shutdown, vented to the atmosphere. Core cooling is by natural heat loss to ambient building atmosphere. The average incore thermocouple reading is 82°F.
- The airborne radioactivity on the defueling platform above the reactor vessel is about 6.0 E-7 uCi/cc Tritium and 5.6 E-12 uCi/cc particulates, predominately Cesium-137 and Strontium-90. About 15 feet of water over the core region and 6 feet over the carousel holding the defueling canisters provide shielding.

3. 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.

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- The Lancaster water sample taken at the water works river intake and analyzed by EPA consisted of a seven day composite sample taken August 3 - 9, 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 samples taken from August 2 - 9, 1986. A gamma scan detected no reactor related activity.
- The EPA analysis of the NRC outdoor air sample for the period August 14 - 21, 1986 showed that concentrations of Cs-137 and I-131 were below the lower limit of quantitative detectability for the system.

4. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Hands-on decontamination of Neutralizer Tank Pump room and Reactor Coolant Evaporator room has been started.
- Kelly vacuuming decontamination on "A" Bleed Tank room and Concentrated Liquid Waste Pump room continues.

5. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Request numbers 49, and 51.
- Recovery Operations Plan Change numbers 31 and 36.
- Solid Waste Facility Technical Evaluation Report.
- Reactor Building Sump Criticality Safety Evaluation Report.
- Defueling Canister Technical Evaluation Report, Revision 2.
- Heavy Load Safety Evaluation Report, Revision 3.
- Defueling Safety Evaluation Report.
- Disposal of Processed Water Report.

6. PUBLIC MEETING

The next meeting of the Advisory Panel is scheduled for October 8, 1986 from 7:00 PM to 10:00 PM at a location to be determined.

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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TMI-2 Project Section File

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