

50-320

August 11, 1986
NRC/THI-86-078

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 4 - 10, 1986

1. DEFUELING

- The licensee has completed disassembling the core bore drilling rig. Bulk defueling operations will begin this week after transferring the canisters containing the core stratification samples to the "A" Fuel Pool. Defueling operations will be conducted 6 days a week, 18 hours a day.
- Due to recent growth of microorganisms in the reactor coolant, which reduces visibility, the licensee is planning an addition of hydrogen peroxide to improve visibility.

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 79°F.
- The airborne radioactivity on the defueling platform is about 2.7 E-7 uCi/cc Tritium and 3.5 E-11 uCi/cc particulates, predominately Cesium-137 and Strontium-90. The platform is mounted above the modified internals indexing fixture which is mounted over the reactor vessel. These provide about 15 feet of water over the core region and 6 feet over the carousel holding the defueling canisters.

3. WASTE MANAGEMENT

- The Submerged Demineralizer System (SDS) and EPICOR II remained in temporary shutdown this week.
- Total volume processed through SDS to date is 4,084,856 gallons, and the total volume processed EPICOR II to date is 3,055,238 gallons.

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4. 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 July 20 - 26, 1986. A gamma scan detected no activity that could be attributed to THI-2.
- 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 July 19 - 26, 1986. A gamma scan detected no activity that could be attributed to THI-2.
- The EPA analysis of the NRC outdoor air sample for the period August 1 - 7, 1986 showed that concentrations of Cs-137 and I-131 were below the lower limit of quantitative detectability for the system.

5. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Assembly of the desludging system continued.

6. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Request number 49, and 51.
- Recovery Operations Plan Change number 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.

7. PUBLIC MEETING

The Advisory Panel for the Decontamination of Three Mile Island Unit 2 will meet on August 13, 1986 from 7:00 PM to 10:00 PM at the Lancaster Council Chambers, Public Safety Building, 201 North Duke Street, Lancaster, PA. At the meeting the panel will receive a status report on the progress of defueling from GPU nuclear and a briefing on the licensee's plans for disposal of the processed water generated from the accident.

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
Curtis Cowgill for:

William D. Travers
Director
THI-2 Cleanup Project Directorate

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Harold R. Denton
Frank J. Miraglia

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TMI-2 Project Section File

TMI Cleanup Project Directorate (10)

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| OFFICE ▶ | TMICPD | TMICPD <i>u</i> | TMICPD | TMICPD <i>u</i> | | | |
| SURNAME ▶ | L. W. P. S. J. S. | CCowgill | Act. Chief | WTravers | | | |
| DATE ▶ | 8/ /86 | 8/11/86 | Tech Support 8/ /86 | 8/11/86 | | | |