

January 12, 1986
NRC/TMI-87-004

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
TMI-2 Cleanup Project Directorate

SUBJECT: NRC TMI-2 CLEANUP PROJECT DIRECTORATE WEEKLY STATUS
REPORT FOR January 5 - 11, 1987

1. DEFUELING

- Removal of fuel fragments and drilled material from the "hard crust" region continued. The spade bucket remains the most effective tool. The fuel removal rate varies with a canister per day or two as a typical rate.

2. UNPLANNED INTAKE OF RADIOACTIVE MATERIAL

- On Friday, January 2, 1987, a senior radiological control technician received an unplanned intake of radioactive materials. He was performing routine survey coverage of a work activity in Makeup Pump Room-1-C which is located at the 281 foot elevation of the Auxiliary Building. A local air monitor alarmed while the technician was exiting the area. The preliminary assessment of the intake to the technician is 80 MPC-hr. The regulatory limit is 520 MPC-hr per calendar quarter. The event is still under review by the licensee and the NRC onsite staff.

3. ENVIRONMENTAL MONITORING

- US Environmental Protection Agency (EPA) sample analysis results show that TMI site liquid effluents are in accordance with regulatory limits, NRC requirements, and the City of Lancaster Agreement.
- TMI water effluents are sampled from the station (Units 1 and 2) discharge and analyzed by EPA. Gamma spectrum analyses of the seven daily composited samples December 12 - 27, 1986 indicated no TMI-2 related radioactivity.
- EPA's gamma spectrum analysis of the NRC's TMI outdoor air sample for December 19, 1986 through January 9, 1987 showed no reactor related radioactivity.

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- The Lancaster water works intake composited seven daily samples December 21 - 27, 1986. The gamma spectrum analyzed by EPA showed no reactor related radioactivity.

4. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Testing was completed on the Fuel Handling Building Ventilation System.
- Reclamation of Defueling Water Cleanup System (DNCS) filters continues.
- Preparation and loading of the fuel shipping cask continued during the week.

5. 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.
- Temporary Reactor Vessel Filtration System Safety Evaluation Report, Revision 3.
- Pressurizer Defueling Safety Evaluation Report.
- Safety Evaluation for the Addition of Coagulant to the RCS was approved on January 5, 1987.
- Revised Defueling Canister Dewatering Criteria was approved on January 7, 1987.

6. MEETINGS

- Dr. William B. Travers, Director, TMI Cleanup Project Directorate, will meet with TMI Alert on January 14, 1987 at 7:30 PM in Harrisburg to discuss the subject of the accident generated water deposition.
- The next meeting of the Advisory Panel for the Decontamination of Three Mile Island Unit 2 will be held on January 21, 1987 from 7:00 to 10:00 PM at the Lancaster Council Chambers, Public Safety Building, 201 North Duke Street, Lancaster, PA.

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
John Thomas for:

William B. Travers
Director
TMI-C Cleanup Project Directorate

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Harold R. Denton
Frank J. Miraglia

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