

May 11, 1987
NRC/TMI-87-040

MEMORANDUM FOR: Dennis W. Crutchfield, Director
Division of Reactor Projects - III, IV, V & Special Projects
Frank Schroeder, Jr., Assistant Director
Region IV Reactors and Special Projects

FROM: William D. Travers, Director
TMI-2 Cleanup Project Directorate

SUBJECT: NRC TMI-2 CLEANUP PROJECT DIRECTORATE WEEKLY STATUS
REPORT FOR MAY 5 - 10, 1987

1. DEFUELING

- Pick and place defueling continued using a variety of tools. One canister was filled and two previously filled canisters were transferred to the spent fuel pool.
- The leaking hose on the defueling water cleanup system was replaced. The cause of the leak was a gash in the hose which appears to have been cut by the sharp edge of a defueling tool during transfer to a storage location.
- The lower end fitting jack was installed in the reactor vessel. Defueling crews were unable to engage it between the lower grid and lower end fittings of part length assemblies due to interferences, primarily fuel pins, in the access areas. The jack will probably be used this week if the interferences can be removed.
- To date, approximately 93,000 lbs of core material have been removed out of a total of approximately 300,000 lbs. The total weight includes the weight of the core, 207,000 lbs; structural and absorber material, 78,000 lbs; additional mass added by oxidation of core and structural material; and mass added by partial melting of the core support assembly and core former wall.

2. 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 for April 18 - 25, 1987 indicated no TMI-2 related radioactivity.

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- EPA's gamma spectrum analysis of the NRC's TMI outdoor air sample for April 30 - May 7, 1987 showed no reactor related radioactivity.
- The water works for the City of Lancaster composited seven daily samples from April 18 - 25, 1987. EPA's gamma spectrum analysis of the composite sample showed no reactor related radioactivity.

3. DECONTAMINATION ACTIVITIES

- Robot desludging in the reactor building basement continues. The dewatered sludge is being held in the modified spent resin storage tanks in the auxiliary building basement.

4. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Requests 52, 53 and 56.
- Solid Waste Facility Technical Evaluation Report.
- Heavy Load Safety Evaluation Report, Revision 3.
- Processed Water Disposition Proposal.
- Safety Evaluation Report for Use of Plasma Arc Cutting Torch.
- Pressurizer Defueling Safety Evaluation Report.
- Safety Evaluation Report for Defueling of the Core Support Assembly.
- Canister Handling and Preparation for Shipment Safety Evaluation Report, Revision 4.
- Organization Plan Change Request 15.
- Defueling Water Cleanup System Technical Evaluation Report Annual Update.
- Defueling Canister Technical Evaluation Report Annual Update.
- The staff issued a Proposed Determination of No Significant Hazard on Technical Specification Change Request 55 and published it in the Federal Register on May 6, 1987.

5. PUBLIC MEETINGS

The next meeting of the Advisory Panel for the Decontamination of Three Mile Island Unit 2 will be held on June 10, 1987 from 7:00 - 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 asked to contact Mr. Thomas Smithgall at 2122 Marietta Avenue, Lancaster, PA 17603 (telephone 717-291-1041). Persons desiring to submit topics or questions for the Advisory Panel to consider are asked to contact the Chairman, Mayor Arthur Morris, 120 North Duke Street, Lancaster, PA 17602.

ORIGINAL SIGNED BY
William D. Travers

William D. Travers
Director
TMI-2 Cleanup Project Directorate

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Dennis M. Crutchfield
Frank Schroeder, Jr.

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TMI-2 Project Section File

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