

April 27, 1987
NRC/TMI-87-035

MEMORANDUM FOR: Dennis M. 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 APRIL 20 - 26, 1987

1. DEFUELING

- Pick and piece fuel removal operations continued. Damaged fuel assembly B-6 was removed using a hook tool. It was subsequently loaded into a canister. The extractor screw tool broke in its initial use while attempting to remove damaged fuel assembly B-7.
- One canister was filled and two were partially filled with core material. Two full canisters were transferred to the full spent fuel pool (one had been filled the previous week).

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 4 - 11, 1987 indicated no TMI-2 related radioactivity.
- EPA's gamma spectrum analysis of the NRC's TMI outdoor air sample for April 16 - 24, 1987 showed no reactor related radioactivity.
- The water works for the City of Lancaster composited seven daily samples from April 5 - 11, 1987. EPA's gamma spectrum analysis of the composite sample showed no reactor related radioactivity.

3. DECONTAMINATION ACTIVITIES

- The top flight of the three flight stairwell from the reactor building 305' elevation to the basement was removed. The removal was to allow access with a robot to the basement for examination of

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the area outside of the west D-ring. Very little is presently known about the conditions in this area.

- Auxiliary building sump desludging continues. Thus far, three 160 cubic foot solidified containers have been generated. The project is expected to generate four containers.
- 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.
- Robot scabbling in the seal injection valve room continued.

4. NRC EVALUATIONS IN PROGRESS

- a. Completed
 - Temporary Reactor Vessel Filtration System Safety Evaluation Report, Revision 3, was issued on April 21, 1987.
- b. In Progress
 - Technical Specification Change Requests 52, 55 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.

5. MEETING

The Advisory Panel for the Decontamination of Three Mile Island Unit 2 has not set a meeting date. Future meetings will be announced.

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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