

June 8, 1987  
 NRC/TMI-87-046

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 JUNE 1 - 7, 1987

1. DEFUELING

- Pick and place defueling continued. Partial length assemblies A-9 and C-10 were loaded into canisters.
- Six canisters were loaded, four were transferred to the spent fuel pool.
- To date approximately 100,000 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 adsorber material, 78,000 lbs; additional mass added by oxidation of core and structural material 8,500 lbs; 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 from the station (Units 1 and 2) discharge are analyzed by EPA. Gamma spectrum analyses of the seven daily composited samples for May 18 - 23, 1987 indicated no TMI-2 related radioactivity.
- EPA's gamma spectrum analysis of the NRC's TMI outdoor air samples for May 28 - June 4, 1987 showed no reactor related radioactivity.
- The water works for the City of Lancaster composited seven daily samples from May 17 - 23, 1987. EPA's gamma spectrum analysis of the composite sample showed no reactor related radioactivity.

3. DECONTAMINATION ACTIVITIES

- Removal of spent resin from the spent fuel pool cleanup demineralizers has begun. These depleted resins contain low levels of radioactive materials, primarily from the cleanup of borated water storage tank water.

|         |            |        |          |  |  |
|---------|------------|--------|----------|--|--|
| OFFICE  | B706120137 | B70608 |          |  |  |
| SURNAME | PDR        | ADOCK  | 05000320 |  |  |
| DATE    | R          | PDR    |          |  |  |

- Scabbling of the floor in the seal injection valve room resumed using the repaired scabblor robot. Scabbling was then interrupted because of a spread of contaminated scabbling debris to the already contaminated fuel handling building/reactor building annulus. An investigation was begun to determine the cause and correct it before continuing.

4. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Requests 52, 53 and 56.
- Recovery Operations Plan Change Requests 38 and 41.
- 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.
- Environmental Evaluation of the Post-Defueling Monitored Storage Proposal.
- Canister Handling and Preparation for Shipment Safety Evaluation Report, Revision 4.
- Defueling Water Cleanup System Technical Evaluation Report Annual Update.
- Defueling Canister Technical Evaluation Report Annual Update.
- EPICOR II System Description Annual Update.
- Safety Evaluation Report for Cross Connection of DWCS Systems.

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.

At the meeting, GPU Nuclear will give the Panel a status report on the progress of the cleanup and will comment on the schedule for completing the remaining cleanup tasks. The Panel will discuss the timing for a final Commission decision on the disposal of the accident-generated water and will forward a recommendation to the Commission. Members of the public will be given the opportunity to address the Panel.

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 Harris, 120 North Duke Street, Lancaster, PA 17602.

ORIGINAL SIGNED BY:  
William D. Travers

William D. Travers  
Director  
TRI-2 Cleanup Project Directorate

|           |  |  |  |  |  |  |  |  |  |
|-----------|--|--|--|--|--|--|--|--|--|
| OFFICE ▶  |  |  |  |  |  |  |  |  |  |
| SURNAME ▶ |  |  |  |  |  |  |  |  |  |
| DATE ▶    |  |  |  |  |  |  |  |  |  |

Dennis M. Crutchfield  
Frank Schroeder, Jr.

4

June 8, 1987  
NRC/TMI-87-046

INTERNAL DISTRIBUTION

CENTRAL FILE

NRC PDR

LOCAL PDR

EDG

OGC

EPA

DOE

RI Regional Administrator

RI Division Directors

Public Affairs, RI

State Liaison, RI

TMI HQ r/f

TMI SITE r/f

TMI-2 Project Section File

TMI-1 Resident Office (5)

TMI Cleanup Project Directorate (14)

|           |                  |                  |                  |                  |  |  |
|-----------|------------------|------------------|------------------|------------------|--|--|
| OFFICE ▶  | TMICPD <i>DC</i> | TMICPD <i>JM</i> | TMICPD <i>JT</i> | TMICPD <i>WT</i> |  |  |
| SURNAME ▶ | DCollins, Jes    | JMoslak          | JThomas          | WTravers         |  |  |
| DATE ▶    | 6/8/87           | 6/8/87           | 6/8/87           | 6/8/87           |  |  |