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July 20, 1987
NRC/TMI-87-055

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 JULY 13 - 19, 1987

1. DEFUELING

- Pick and place defueling of partial length fuel assemblies and fuel pins continued. Partial fuel assemblies E-3, F-2, F-3, F-4, G-3, G-4, and G-5 were loaded into defueling canisters. A total of 52 fuel assemblies out of 177 in the core have now been broken free from the lower grid and loaded into canisters.
- Four canisters were filled and one partially filled. None of the filled canisters were transferred to the spent fuel pool.

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 intake water and water effluents from the station (Units 1 and 2) discharge are analyzed by EPA. Gamma spectrum analyses of the seven daily composited samples for June 27 - July 4, 1987 indicated no reactor related activity.
- EPA's gamma spectrum analysis of the NRC's TMI outdoor air sample for July 9 - 16, 1987 showed no reactor related radioactivity.
- The water works for the City of Lancaster composited seven daily samples from June 28 - July 4, 1987. EPA's gamma spectrum analysis of the composite sample showed no reactor related radioactivity.

3. DECONTAMINATION ACTIVITIES

- Sludge removal from the reactor building basement floor has been completed. Robots were used to collect the sludge and the thin sludge/water mixture was pumped to collection tanks in the

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auxiliary building. About 1,000 gallons of dewatered sludge will be solidified prior to being transported for disposal at a burial site. An estimate of four 170 cubic foot liners will be required for the solidification.

- Robotic scabbling of floor areas in the seal injection valve room (SIVR) on the 281' elevation of the auxiliary building has resumed. About one third of the total floor surface has been scabbled.
- Floor scabbling continues in the north and south valve alleys on the 281' elevation of the fuel handling building.
- Hands-on decontamination continues in the seal return cooler room on the 305' elevation of the auxiliary building.

4. NRC EVALUATIONS IN PROGRESS

a. NRC Onsite Staff Reviews

- 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 and Revision 5.
- Defueling Water Cleanup System Technical Evaluation Report Annual Update.
- Defueling Canister Technical Evaluation Report Annual Update.
- EPICOR II System Description Annual Update.
- Heavy Load Handling - Movement of Missile Shields.
- Organization Plan Change Request 15.
- Request for Exemption for 10 CFR 70.42 Requirements.

b. Other NRC Reviews

- NRC Region I is investigating anonymous allegations of a NRC licensed individual sleeping while performing licensed duties.

5. ENVIRONMENTAL IMPACT STATEMENT

The Programmatic Environmental Impact Statement Final Supplement No. 2, NUREG-0683, dealing with disposal of accident-generated water was issued on June 30, 1987. In Supplement 2, the staff concluded that GPU Nuclear, Inc.'s proposal to dispose of the water by forced evaporation to the atmosphere, followed by onsite solidification of the remaining solids, and disposal in a licensed low-level waste disposal facility is an acceptable plan and will recommend to the Commission that it be approved. The staff evaluated this proposal, together with eight alternatives,

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relative to the risk from radiation exposure to workers and to the general public, the probability and consequences of accidents, the commitment of resources (including costs) and regulatory constraints. The staff concluded that no alternative was clearly preferable to the GPU Nuclear, Inc. proposal.

An opportunity for a prior hearing on the staff's proposal to lift the prohibition on the disposal of the contaminated water is being offered to GPU Nuclear Corporation and to other persons whose interest may be affected. Requirements for filing a petition for leave to intervene in any proceeding will be contained in a notice being prepared for publication in the Federal Register.

6. PUBLIC MEETING

The Advisory Panel for the Decontamination of Three Mile Island Unit 2 is scheduled to meet on August 12, 1987 from 7:00 - 10:00 PM at the Holiday Inn, 23 South Second Street, Harrisburg PA.

Persons desiring to speak before the Advisory Panel are asked to contact Mr. Thomas Smithgall at 2111 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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