

50-320

August 17, 1987
NRC/TMI-87-063

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 AUGUST 11 - 16, 1987

1. DEFUELING

- Pick and place defueling of partial length fuel assemblies continued. Partial fuel assemblies D-12, F-13, G-12, G-13, G-14, H-11, H-12, H-13, H-14, K-11 and K-13 were loaded into defueling canisters. A total of 78 fuel assemblies have been loaded into canisters.
- Six full canisters were transferred to the spent pool.
- A video inspection was performed after partial assembly D-12 was removed. In this location a clear path to the lower head exists as the flow holes in the lower grid, distributor plate, grid forging and elliptical flow distributor align. The video showed a variety of materials in the core support assembly including loose sandy appearing fines and once molten resolidified material. No significant damage to the core support assembly was discernable. The core debris in the lower head appeared to be 12 to 18 inches deep. These results are consistent with previously obtained information from core boring and previous video inspections.

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 July 25 - August 1, 1987 indicated no reactor related activity.
- EPA's gamma spectrum analysis of the NRC's TMI outdoor air sample for August 6 - 13, 1987 showed no reactor related radioactivity.
- The water works for the City of Lancaster composited seven daily samples from July 26 - August 1, 1987. EPA's gamma spectrum analysis of the composite sample showed no reactor related radioactivity.

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3. DECONTAMINATION ACTIVITIES

- Previously, during a transfer of contaminated demineralizer resin, resins were pushed through a vent into the waste gas collection piping. The resin raised the radiation levels around the piping and spilled in a previously decontaminated area. The floor area was cleaned. During this week a section of the waste gas header was flushed and radiation levels reduced to near the pre-contamination levels.
- Preparations continue for transferring reactor building basement sludge to liners for solidification.

4. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Requests 52, 53 and 56.
- Recovery Operations Plan Change Request 38.
- Solid Waste Facility Technical Evaluation Report.
- 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 11 System Description Annual Update.
- Organization Plan Change Request 16.
- Request for Exemption from 10 CFR 70.42 Requirements.
- Staging of Liners in the Waste Handling and Packaging Facility.

5. PUBLIC MEETING

The Advisory Panel for the Decontamination of Three Mile Island Unit 2 met on August 12, 1987 at the Holiday Inn in Harrisburg, Pennsylvania.

The Panel received status reports from both the NRC staff and OPUN on the cleanup. The NRC staff also gave a presentation on the Final Report of Supplement No. 2 to the Programmatic Environmental Impact Statement dealing with disposal of accident-generated water. A representative from the NRC's Office of the General Counsel gave a presentation on the recently published Notice of Opportunity for a prior hearing regarding the licensee's proposal to dispose of the accident-generated water.

Members of the public were invited to comment at the meeting.

ORIGINAL SIGNED BY
William D. Travers

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Director
TMI-2 Cleanup Project Directorate

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Dennis M. Crutchfield
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