

August 31, 1987
NRC/TMI-87-067

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 24 - 30, 1987

1. STATUS REPORT FREQUENCY

Beginning in September 1987 the NRC TMI-2 Cleanup Project Directorate Weekly Status Report will be issued on a monthly basis. Reports will be distributed during the last week of each month.

2. DEFUELING

- Pick and place defueling of partial length fuel assemblies continued. Partial fuel assemblies F-14, L-10, L-12, L-13, M-10, M-11, M-12 and N-12 were loaded into defueling canisters. Thus far 93 fuel assemblies out of a total of 177 in the core have been loaded into canisters.
- Approximately 140,000 lbs of fuel and debris out of a total of approximately 300,000 lbs in the core have now been loaded into canisters.

3. 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 August 8 - 15, 1987 indicated no reactor related activity. Low levels of Iodine-131 were detected in the intake and discharge water samples for August 10 - 12, 1987. A medical use discharge through a sanitary system upstream is the most likely source.
- EPA's gamma spectrum analysis of the NRC's TMI outdoor air sample for August 21 - 28, 1987 showed no reactor related radioactivity.

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- The water works for the City of Lancaster composited seven daily samples from August 9 - 15, 1987. EPA's gamma spectrum analysis of the composite sample showed no reactor related radioactivity.

4. DECONTAMINATION ACTIVITIES

- During July 1987, Phase III endpoints were reached in four auxiliary building cubicles: the reactor coolant pump seal water return cooler and filter area; spent fuel pool water cooler room; and the spent fuel pool water filter area. Phase III endpoints vary from 2.5 mR/hr through 25, 50, 500 to as much as 1,000 mR/hr radiation dose rates and are generally based on future access frequency. The dose rates in these areas range to 100 mR/hr.
- In the fuel handling building, the neutralizer tank filter room was brought to Phase III and the radiation levels are generally less than 180 mR/hr.
- The first of an expected three containers of reactor building sludge was solidified this week. The six-foot diameter by six feet tall liners are being prepared for burial at a disposal site.

5. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Requests 52, 53 and 56.
- Recovery Operations Plan Change Request 39.
- Solid Waste Facility Technical Evaluation Report.
- Processed Water Disposition Proposal.
- 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.
- Organization Plan Change Request 16 and 17.
- Request for Exemption from 10 CFR 70.42 Requirements.
- Staging of Liners in the Waste Handling and Packaging Facility.

6. PUBLIC MEETING

No date has been set for the next meeting of the Advisory Panel for the Decontamination of Three Mile Island Unit 2. The details of the next meeting will be announced.

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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