

January 4, 1988
HRC/TMI-88-001

MEMORANDUM FOR: Dennis H. Crutchfield, Director
Division of Reactor Projects - III, IV, V & Special Projects

FROM: William D. Travers, Director
TMI-2 Cleanup Project Directorate

SUBJECT: HRC TMI-2 CLEANUP PROJECT DIRECTORATE STATUS
REPORT FOR November 30, 1987 - January 3, 1988

1. DEFUELING

- Defueling of the core region has been essentially completed. Fuel pin fragments and other debris were removed from the lower grid to allow placement of a template/guide for lower core support assembly (LCSA) defueling. The equivalent of one partial length assembly remains. It is designated as R-6 although a small portion of once molten R-7 may be incorporated in it.
- Defueling of the "A" and "B" hot legs was completed. The material in the hot legs was of a fine consistency and easily suspended. The licensee is evaluating how much fuel dust remains in the hot legs. Removal of the fuel in the decay heat drop line was attempted with partial success. Removal of the remaining material in the decay heat line will have to be completed after LCSA defueling.
- Placement of the core drilling machine is in progress. It will be followed by drilling operations to begin LCSA defueling. The HRC staff is currently evaluating a series of safety evaluation reports in support of LCSA defueling.

2. ENVIRONMENTAL MONITORING

- US Environmental Protection Agency (EPA) sample analysis results show that TMI site liquid effluents are in accordance with regulatory limits, HRC 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 daily composited samples for November 15 through December 12, 1987 showed no reactor related activity.
- EPA's gamma spectrum analysis of the HRC's TMI outdoor air samples for November 25 through December 21, 1987 showed no reactor related radioactivity.

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- Daily water samples are taken at the City of Lancaster water works intake. These daily samples are composited and are analyzed by the EPA weekly. EPA's gamma spectrum analysis of composite samples for November 15 through December 12, 1987 showed no reactor related radioactivity.

3. DECONTAMINATION ACTIVITIES

- Decontamination of the seal injection valve room continued with the primary activity being debris removal.
- Attempts continued to remove the resin from the makeup and purification demineralizers. A video examination of one demineralizer confirmed the presence of resin. The next step will be to attempt agitation of the resin beds with a hydro-laser.

4. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Requests 52, 53 and 56.
- Recovery Operations Plan Change Request 36.
- 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.
- Request for Exemption from 10 CFR 70.24 Requirements.

5. PUBLIC MEETING

The next meeting of the Advisory Panel for the Decontamination of Three Mile Island Unit 2 is scheduled for January 13, 1988 from 7:00 - 10:00 p.m. at the Holiday Inn, 23 South Second Street, Harrisburg, PA. The Panel will be briefed by the NRC staff on the pending reorganization of the TMI Cleanup Project Directorate. The Panel will receive a presentation by BPA on the status of the cleanup and the status of the licensee's plans for Post Defueling Monitored Storage.

Persons desiring to speak before the Advisory Panel are asked to contact Mr. Thomas Smithgall at 2111 Marietta Avenue, Lancaster, PA 17503 (telephone 717-291-1041).

1st John P. Thomas
for
 William D. Travers
 Director
 TMI-2 Cleanup Project Directorate

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