

February 2, 1988
NRC/THI-88-005

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

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

SUBJECT: NRC THI-2 CLEANUP PROJECT DIRECTORATE STATUS
REPORT FOR JANUARY 4, 1988 - JANUARY 31, 1988

1. DEFUELING

- The core drilling machine previously used to obtain core samples from the fuel debris pile has been installed on the defueling work platform. It is being used for disassembly of the lower core support assembly (LCSA) so that the lower reactor vessel head can be accessed for defueling. All 52 incore instrument spiders at the upper end of instrument guide assemblies have been drilled out and drilling of the peripheral instrument guide tubes is in progress. This will be followed by drilling of the support posts and plasma arc cutting and removal of the lower grid distributor plate and grid forging. As fuel and core debris are found during the process they will be removed or relocated to the reactor vessel lower head.

2. ENVIRONMENTAL MONITORING

- US Environmental Protection Agency (EPA) sample analysis results show that THI site liquid effluents are in accordance with regulatory limits, NRC requirements, and the City of Lancaster Agreement.
- THI water effluents from the station (Units 1 and 2) discharge are analyzed by EPA. Gamma spectrum analyses of the daily composited samples for December 12, 1987 through January 15, 1988, showed no reactor related activity.
- EPA's gamma spectrum analysis of the NRC's THI outdoor air samples for November 26 through December 21, 1987, through January 19, 1988, showed no reactor related radioactivity.
- 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 December 13, 1987 through January 15, 1988, showed no reactor related radioactivity.

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3. DECONTAMINATION ACTIVITIES

- Phase III decontamination end points have been reached in the Auxiliary Building Sump Filter Room, the Caustic Liquid Mixing Area, and the Makeup Discharge Valve Room North.
- Major decontamination efforts continue in the Seal Injection Valve Room.
- Attempts to remove contaminated resin from the Makeup and Purification System demineralizers has still been unsuccessful. The licensee is attempting to engineer a solution to the problem so that the resin may be removed and disposed.

4. NRC EVALUATIONS IN PROGRESS

- The staff has published proposed findings of No Significant Hazards in the Federal Register for the licensee's Technical Specification Change Requests numbers 52 and 53.
- Technical Specification Change Requests 56 and 57 are under review.
- A draft supplement to the Programmatic Environmental Impact Statement related to the Post Defueling Monitored Storage proposal is in preparation with a projected issuance date of early March.

5. NRC STAFF REORGANIZATION

- Effective February 1, 1988, the NRC inspection staff at TMI will be consolidated. The staff will consist of one Senior Resident Inspector and three Resident Inspectors who will be available for inspections at either unit 1 or 2. In addition, one systems engineer from the NRC office of Nuclear Reactor Regulation will remain assigned to TMI Unit 2. Region 1 plans to continue monthly status reporting for both units at least until September 30, 1988. The individual unit reports will be consolidated into one report which will have a TMI-1 and TMI-2 section.

To facilitate consolidation of reports, the report periods will be similar to the inspection report periods. In part, the status report will become factual highlights of the inspection reports for each unit in the interest of a quick release of information to the public. The inspection report will continue to reflect the disposition of compliance and assessment of performance on the factual information reported in the monthly status reports. Certain significant licensing activities will also be reported in the status reports for both units.

Accordingly, the next status report for Unit 1 will be issued for the period January 19, 1988 to February 27, 1988. Similarly, the Unit 2 status report issued by Region 1 will be for the period

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February 1, 1988 to February 27, 1988. The TMICPB will no longer issue monthly status reports.

6. PUBLIC MEETING

- The next meeting of the Advisory Panel for the Decontamination of Three Mile Island Unit 2 is tentatively scheduled for April 14, 1988 from 7:00 - 10:00 PM at the Southern Market Building, South Queen and West Vine Streets, Lancaster, PA.

Persons desiring to speak before the Advisory Panel are asked to contact Mr. Thomas Smithgall at 411 Marietta Avenue, Lancaster, PA 17603 (telephone 717-291-1061).

/s/ John A. Thomas for

William B. Travers
Director
TMI-2 Cleanup Project Directorate

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