

50-320

January 5, 1986  
NRC/TMI-87-001

MEMORANDUM FOR: Harold R. Denton, Director  
Office of Nuclear Reactor Regulation

Frank J. Miraglia, Director  
Division of PWR Licensing-2

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

SUBJECT: NRC TMI-2 CLEANUP PROJECT DIRECTORATE WEEKLY STATUS  
REPORT FOR DECEMBER 22, 1986 - January 4, 1987

1. DEFUELING

- Licensee efforts at removing the drilled "hard crust" area continued using existing and modified tooling. The spade bucket tool is moderately successful, achieving a fill rate of approximately one canister per two days.
- The Defueling Water Cleanup System (DWCS) was tested with coagulant and body feed injection in operation. The test run was unsuccessful when the filter plugged after a throughput of less than 3,000 gallons of reactor coolant system (RCS) water. This was the same filter that had previously successfully processed 120,000 gallons of water from the reactor coolant bleed tanks (RCBT's) using the same coagulant. Laboratory tests had shown that the coagulant may not be as effective on RCS water as on the RCBT water. Preparations are in progress to test another coagulant on the RCS that was successfully tested in the laboratory.

2. WASTE SHIPMENT

- During the week of December 14, 1986, a fuel debris shipment was made without incident with both fuel shipping casks. One fuel shipping cask has returned and is being loaded.

3. MANAGEMENT CHANGES

- Michael Siobodien, Radiological Controls Manager, GPHH, was transferred to Oyster Creek Nuclear Power Station on January 1, 1987 to take the position of Radiological Controls Director. His replacement is D.W. Turner who was at Oyster Creek Nuclear Power Station in the corresponding position.

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#### 4. 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 are sampled from the station (Units 1 and 2) discharge and analyzed by EPA. Gamma spectrum analyses of the seven daily composited samples (December 13 - 20, 1986) indicated no TMI-2 related radioactivity.
- EPA's gamma spectrum analysis of the NRC's TMI outdoor air sample has no results available this reporting period.
- The Lancaster water works intake composited seven daily samples (December 14 - 20, 1986). The gamma spectrum analyzed by EPA showed no reactor related radioactivity.

#### 5. AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES

- Reclamation of DMS filters continues.
- Charcoal filters have been replaced in the fuel handling building (FHB) and will be tested. This modification is in support of installation of an engineering safety feature grade FHB ventilation system for TMI-1 as mandated by the TMI-1 restart license conditions.

#### 6. NRC EVALUATIONS IN PROGRESS

- Technical Specification Change Request numbers 49, 51, 52, and 54.
- Recovery Operations Plan Change numbers 31 and 33.
- Solid Waste Facility Technical Evaluation Report.
- Heavy Load Safety Evaluation Report, Revision 3.
- Disposal of Processed Water Report.
- Safety Evaluation Report for Use of Plasma Arc Cutting Torch.
- Temporary Reactor Vessel Filtration System Safety Evaluation Report, Revision 3.
- Safety Evaluation for the Addition of Coagulant to the RCS.
- Pressurizer Defueling Safety Evaluation Report.
- Revised Defueling Caskwater Bewatering Criteria.
- The Ex-Vessel Defueling SEK for Defueling of the Pressurizer Spray Line was approved on December 22, 1986.

#### 7. MEETING

- The next meeting Advisory Panel for the Decontamination of Three Mile Island Unit 2 is tentatively scheduled for January 21, 1987 in Lancaster, PA. The exact date, time, location and agenda will be confirmed at a later date.

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Persons desiring to speak before the Advisory Panel are requested to contact Mr. Thomas Seitzgall at 717-251-1044, or write him at 2122 Marietta Avenue, Lancaster, PA 17603.

**ORIGINAL SIGNED BY:**

William D. Travers

William D. Travers

Director

TID-2 Cleanup Project Directorate

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