

February 11, 1985  
NRC/TMI-85-012

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

Bernard J. Snyder, Program Director  
TMI Program Office

FROM: William D. Travers, Deputy Program Director  
TMI Program Office

SUBJECT: NRC TMI PROGRAM OFFICE WEEKLY STATUS REPORT FOR  
February 3, 1985 - FEBRUARY 9, 1985

REACTOR BUILDING ACTIVITIES:

Preparations are continuing for reactor vessel plenum removal in May and the commencement of defueling in July. Near term activities include refurbishment of the polar crane auxiliary hook (25 ton capacity), fuel transfer system modifications, and defueling water cleanup system installation. Decontamination and other dose reduction activities are continuing in parallel with the defueling activities.

An effort is underway to quantify the fuel debris that may have been transferred out of the core region. Thermoluminescent dosimeter strings and portable spectrometers will be used to locate fuel in the steam generators, pressurizer, surge line and other parts of the primary system. A proposal to insert small diameter gamma dose rate sensors into the bottom of the reactor through the incore instrument nozzles is being evaluated by the NRC. The gamma dose rates in the bottom of the reactor will be used to quantify fuel debris in the reactor cavity below the core region.

AUXILIARY AND FUEL HANDLING BUILDING ACTIVITIES:

Refurbishment of the "A" fuel pool has continued with the installation of fuel transfer rails and inspection of the fuel pool walls. Installation of the Defueling Water Cleanup System (DWCS) hardware is also continuing with a targeted completion date of June 1985. Operation of the purification demineralizer cesium elution system continued, as has replacement of the cork seal between the Reactor Building and the Auxiliary Building.

PUBLIC MEETING

On February 14, 1985, the Advisory Panel for the Decontamination of Three Mile Island Unit 2 will meet from 7:00 PM to 10:00 PM in the Holiday Inn, 23 South Second Street, Harrisburg, Pennsylvania. The meeting will be open to the public.

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Harold R. Denton  
Bernard J. Snyder

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The panel will receive presentations by a member of the Nuclear Regulatory Commission's Office of Investigations and a member of the Office of Inspection and Enforcement. The panel will conduct a planning session for an agenda covering the next six months.

Persons desiring the opportunity to speak before the Panel are asked to contact Mr. Thomas Smithgall at 717-291-1042 or write to him at 2122 Marietta Avenue, Lancaster, Pennsylvania 17603. Persons desiring to submit topics or questions for consideration by the Panel are asked to contact, in writing, Mayor Arthur Morris, 120 North Duke Street, Lancaster, Pennsylvania 17602.

ORIGINAL SIGNED BY:  
William D. Travers

William D. Travers  
Deputy Program Director  
THI Program Office

Attachments:

1. Liquid Effluent and Environmental Data
2. Plant Status

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OFFICE	TMPO	<i>TMPO</i>	TMPO	TMPO		
SURNAME	DCollins:wa	<i>PJG and</i>	<i>C. Smithgall</i>	<i>W.D. Travers</i>		
DATE	2/11/85	2/11/85	2/11/85	2/11/85		

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ATTACHMENT 1

LIQUID EFFLUENT AND ENVIRONMENTAL DATA

Environmental Protection Agency

Lancaster Water Sample: Composite sample taken over seven days  
Period Covered: January 20, 1985 - January 26, 1985  
Results: Gamma Scan Negative for reactor related radioactivity

TMI Water Samples: Seven daily composited samples  
Period Covered: January 19, 1985 - January 26, 1985  
Results: Gamma Scan Negative for reactor related radioactivity.

NRC Environmental Data

The NRC operated continuous outdoor air sampler at the TMI site did not detect any reactor related radioactivity.

<u>Sample</u>	<u>Period</u>
HP-456	January 30, - February 6, 1985

<u>Volume</u>	<u>Results</u>
321.5 m <sup>3</sup>	LLD = 1.1 E-13 uCi/cc I-131 LLD = 1.1 E-13 uCi/cc Cs-137

ATTACHMENT 2

PLANT STATUS

Reactor Vessel Configuration: Reactor vessel open with modified internals indexing fixture installed

Core Cooling Mode: Heat transfer from the reactor coolant system (RCS) to reactor building ambient

Available Core Cooling/Makeup Sources:  
Standby pressure control (SPC) system  
Reactor coolant bleed tank (RCBT) water transfer system  
Mini decay heat removal (MDHR) system

APPROXIMATE REACTOR VALUES

Coolant System:

Average Cold Leg Temperature: 60°F

Core:

Average Incore Thermocouples:\* 81°F  
Maximum Incore Thermocouple:\* 90°F

Building:

Temperature: 57°F  
Pressure: -0.07 psig

Airborne Radionuclide Concentrations:

Tritium: 2.7 E-7 uCi/cc  
Particulates: 1.2 E-10 uCi/cc predominately Cs-137

\*Uncertainties exist as to the exact location and accuracy of these readings.