

SEP 9 1986

Docket No. 50-289

MEMORANDUM FOR: Harry Kister, Chief
Projects Branch No. 1

FROM: Allen R. Blough, Chief
Reactor Projects
Section 1A

SUBJECT: TMI-1 STATUS REPORT FOR THE PERIOD AUGUST 29 -
SEPTEMBER 5, 1986

Enclosed is the TMI-1 weekly status report from the NRC Resident Office at TMI-1 for the subject period. The NRC staff continued to monitor routine plant operations at full power.

TMI-1 status reports are intended to provide NRC management and the public with highlights from an NRC regulatory perspective of TMI-1 activities for the previous week. Subsequent inspection reports will address many of these topics in more detail.

Original Signed By:

Allen R. Blough, Chief
Reactor Projects Section 1A
Branch 1, DRP

Enclosure:
As stated

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TMI1 WEEKLY STATUS REPORT -

11/29/80 IE31

cc w/enclosure:

- F. Miraglia, NRR
- W. Travers, NRR
- J. Thoma, NRR
- J. Partlow, IE
- T. Gerusky, BRP/DER, Commonwealth of Pennsylvania
- R. Benko, Governor's Office of Policy, Commonwealth of Pennsylvania
- TMI Alert
- Susquehanna Valley Alliance
- Friends & Family of TMI
- H. Hucker
- A. Herman
- C. Wolfe
- J. Johnsrud
- P. Smith
- D. Davenport
- Public Document Room
- Local Public Document Room

bcc w/enclosure:

- K. Abraham, RI
- P. Lohaus, RI
- W. Kane, RI
- H. Kister, RI
- R. Conte, RI (20 cys)
- W. Baunack, RI
- R. Freudenberger, RI
- Region I Docket Room (w/concurrences)

B
 for RI:DRP
 Conte
 9/9/86

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 RI:DRP
 Blough
 9/9/86

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 for RI:DRP
 Kister
 9/9/86

ENCLOSURE

TMI-1 STATUS REPORT FOR THE PERIOD AUGUST 29 - SEPTEMBER 5, 1986

1. Plant Status

As of 8:00 a.m. on September 5, 1986, TMI-1 was operating at 100 percent power and at normal reactor coolant temperature (579 F) and pressure (2155 psig).

2. Facility Operations Summary

The plant continued to operate at 100 percent during the reporting period.

3. Items of Special Interest

"C" Reactor Coolant Pump No. 1 Seal

The "C" reactor coolant pump No. 1 seal has continued to exhibit higher than normal leak off flow rates. During the week, the licensee flushed the seal with pure water and it did have positive results of reducing flow from above 6 gallons per minute (gpm) to slightly over 5 gpm.

The licensee is in the process of installing a new high range flow transmitter in place of an unused low range transmitter in the leak off flow path. This will enable monitoring of seal leak off flow in excess of the present 6 gpm maximum range. The licensee worked with the pump vendor for a decision on maximum seal flow that can be tolerated and still ensure reliable seal performance based on viscosity of seal injection water. The new limit ranges up to 7.5 gpm dependent on seal injection water temperature (makeup tank temperature).

Performance Appraisal Inspection

The Performance Appraisal Team (PAT) conducted their exit meeting with the licensee at 10:00 a.m. on September 5, 1986. The eight-member team, which was on site for the past two weeks, discussed their inspection results with the licensee at that time. The results of this inspection will be documented in NRC Inspection Report No. 50-289/86-14.

Semi-Annual Effluent and Release Report

In a letter to NRC Region I, dated August 29, 1986, the licensee submitted their Semi-Annual Effluent and Release Report for January-June 1986. This report is subject to NRC review. The following are excerpts of the licensee's executive summary to the August 29, 1986 letter.

- "Liquid discharges made during the reporting period consisted of about 122 Curies of tritium, 0.02 Curies of noble gases (predominately Xenon-133), and 0.002 Curies of other beta and gamma emitters (predominately Cesium-137). Since TMI-1 has resumed power operations the presence of noble gases is not unexpected."
- "During the reporting period, the maximum hypothetical calculated whole body dose to an individual due to liquid effluents from TMI-1 was about 0.02 mrem. The maximum hypothetical calculated dose to any organ of an individual was about 0.02 mrem to the liver."
- "Airborne discharges made during this same time period consisted of about 8.4 Curies of tritium, 2310 Curies of noble gases, 0.000004 Curies of Strontium-90, and 0.00003 Curies of Iodine-131."
- "The maximum hypothetical calculated dose to any individual from noble gases was about 0.03 mrem to the skin and 0.009 mrem to the whole body. Airborne particulates were calculated to produce about 0.002 mrem to the bone of the maximum hypothetical individual."
- "...Natural background averages about 50 mrem whole body semi-annually in the TMI-1 area. In addition, the average equivalent dose to the lung from natural radon for the same period is about 90 mrem per quarter."

NRC review of this report will be documented in a future NRC inspection report.

4. Planned Public Meeting

At 7:30 p.m. on Tuesday, September 23, 1986, members of NRC Region I management will be available at the NRC's Middletown office (Downtown Mall, 100 Brown Street, Middletown, Pennsylvania) to answer questions from the public regarding both the SALP and NRC inspection programs at TMI-1. The meeting will be similar in purpose to the one held in Middletown on April 24, 1986, to discuss an earlier SALP. Because of space limitations at the Middletown Office, it is important for those planning to attend the public meeting to contact Allen R. Blough at (215) 337-5146 or (717) 948-1160. If the number of respondents is large, an alternate location in the Middletown-Harrisburg area will be arranged.

5. NRC Staff Activities During the Period

During this report period, the NRC staff consisted of the senior resident inspector and three resident inspectors and was supplemented by the PAT team inspectors.

The NRC staff at TMI-1 was composed of the following personnel during the period:

- R. Blough, Chief, Reactor Projects Section No. 1A
- R. Conte, Senior Resident Inspector
- C. Hix, Secretary
- D. Johnson, Resident Inspector
- J. Rogers, Resident Inspector
- F. Young, Resident Inspector

The NRC PAT Team inspectors at TMI-1 during the period were:

- L. Callan, NRC: IE: Chief, Performance Appraisal Section
- S. Chaudhary, NRC: Region I
- J. Dyer, Team Leader, NRC: Office of Inspection and Enforcement (IE)
- A. Howell, NRC: IE
- G. Klingler, NRC: IE
- P. McKee, NRC: IE: Chief, Operating Reactor Programs Branch
- R. Pierson, NRC: IE
- J. Sharkey, NRC: IE
- J. Smith, NRC: IE
- D. Trimble, NRC: Region I