

JAN 28 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 JANUARY 17-24, 1986

Enclosed is the TMI-1 weekly status report from the NRC Resident Office. The enclosed report covers the period from 8:00 a.m., January 17, 1986, to 8:00 a.m., January 24, 1986, and is issued weekly by Projects Branch No. 1.

These 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 most 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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TMI-1 WEEKLY STATUS - 0001.0.0
11/29/80

Thomas E. Murley

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JAN 28 1986

cc w/enclosure:

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W. Travers, NRR

J. Thoma, NRR

J. Partlow, IE

T. Gerusky, BRP/DER, Commonwealth of Pennsylvania

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ENCLOSURE

TMI-1 STATUS REPORT FOR THE PERIOD JANUARY 17-24, 1986

1. Plant Status

As of 8:00 a.m. on January 24, 1986, TMI-1 was at 100% power with normal reactor coolant temperature and pressure.

2. Facility Operations Summary

Reactor power was maintained at 100% throughout the report period.

3. Test Program Status

As noted in the previous status report, the startup test program ended on January 2, 1986. The licensee held a test acceptance group meeting on January 17, 1986, to perform a final review of test data. NRC Region I has been reviewing test results and observed portions of the licensee's review meeting. During this meeting, the remaining startup test data was reviewed and accepted. This final review completed the licensee's restart test program.

4. Items of Special Interest

Waste Gas Release

During release of the "B" waste gas decay tank to the vent stack on Saturday, January 18, the discharge caused the vent stack radiation monitor to reach the lower of two alarm setpoints. In response to this alarm, the release was stopped and a sample was taken to determine activity level in the tank. The sample confirmed the original calculation and the release, which totaled about 2.8 curies, was completed.

Later that day, approximately five hours after the release was completed, one of the offsite radiation monitoring stations about one-half mile from the plant alarmed momentarily. The two events were reviewed by the utility and were determined not to be related. The offsite radiation monitor alarm was concluded to be a spurious alarm. This particular station transmits its data via radio signal and spurious alarms are not unusual. No other stations alarmed.

5. TMI-1 Staff Status During the Period

During this report period, routine coverage was provided by the normal Region I organization. The staff consisted of the senior resident inspector and resident inspector, supplemented by several Region I based inspectors.

The staff's inspection plan for this period covered the primary functional areas of operations, maintenance, surveillance, test programs, and certain required technical and safety reviews. The staff continued to evaluate the performance of licensee personnel and the plant.

Inspection Report 50-289/85-28, which documents NRC inspection activities during November 27-December 13, 1985, was issued on January 17, 1986. The findings were generally favorable, especially regarding licensed operator knowledge and performance. No violations of regulatory requirements are cited.

The last weekly status report for the period January 10, 1986, to January 17, 1986, was issued on January 23, 1986.

During this period, Region I issued one EDO highlight concerning the decision not to shut down due to the steam line expansion bellows leak discussed in the last weekly status report.

6. NRC Thermoluminescent Dosimeter (TLD) Special Monitoring Program for TMI

The special NRC TLDs for TMI for the period January 7-21, 1986 were processed at the Region I TLD laboratory. The TLD readings are provided in the attached Table A. The monitoring results indicate that the radiation levels at these monitoring locations remain at natural background levels. These readings can be expected to vary slightly from period to period due to variations in natural background, independent of releases from the plant.

7. TMI-1 Staff Composition During Period

The TMI-1 staff was comprised of the following personnel during the period:

- R. J. Conte, Senior Resident Inspector
- D. R. Haverkamp, Reactor Licensing Engineer
- F. I. Young, Resident Inspector
- R. J. Urban, Reactor Engineer
- W. N. Baunack, Project Engineer
- N. J. Blumberg, Startup Inspector
- A. Weadock, Radiation Specialist
- J. Rogers, Reactor Engineer (Intern)
- C. P. Hix, Secretary
- L. M. Prough, Secretary

TABLE A
TMI SPECIAL TLD MONITORING RESULTS

Station	Distance (miles)	Direction	Baseline mR/day (Mean + s.d.)	Field Exposure 1/7/86-1/21/86 mR/day (Mean + s.d.; total uncertainty)
		Control #1	-	0.15 + 0.00; 0.02
		Control #2	-	0.13 + 0.01; 0.02
2	3.9	101	0.19 + 0.02	0.20 + 0.01; 0.03
3	2.7	109	0.16 + 0.02	0.17 + 0.002; 0.03
4	1.8	163	0.16 + 0.02	0.17 + 0.03; 0.03
5	2.2	161	0.18 + 0.02	0.17 + 0.01; 0.03
6	1.0	150	0.17 + 0.03	0.19 + 0.01; 0.03
7	0.6	136	0.17 + 0.02	0.16 + 0.005; 0.02
8	0.4	83	0.16 + 0.03	0.18 + 0.01; 0.03
9	0.5	60	0.16 + 0.02	0.17 + 0.00; 0.03
10	1.7	1	0.14 + 0.02	0.16 + 0.02; 0.02
11	0.9	25	0.16 + 0.01	0.17 + 0.02; 0.03
12	2.8	46	0.16 + 0.02	0.19 + 0.001; 0.03
14	2.5	358	0.14 + 0.02	0.17 + 0.02; 0.03
16	3.1	0	0.14 + 0.02	0.18 + 0.01; 0.03
18	3.5	349	0.17 + 0.03	0.16 + 0.00; 0.02
19	3.2	343	0.17 + 0.02	0.19 + 0.01; 0.03
20	5.0	318	0.16 + 0.01	0.18 + 0.0007; 0.03
21	1.3	348	0.13 + 0.01	0.15 + 0.001; 0.02
22	3.1	17	0.17 + 0.02	0.18 + 0.01; 0.03
23	3.8	64	0.13 + 0.01	0.17 + 0.001; 0.03
24	3.6	44	0.17 + 0.01	0.18 + 0.01; 0.03
34	2.3	267	0.17 + 0.01	0.18 + 0.001; 0.03
35	1.8	299	0.17 + 0.01	0.19 + 0.01; 0.03
36	1.2	267	0.12 + 0.02	0.15 + 0.01; 0.02
37	1.4	256	0.14 + 0.01	0.16 + 0.02; 0.02
38	1.9	225	0.18 + 0.02	0.18 + 0.01; 0.03
39	2.1	200	0.13 + 0.01	0.16 + 0.02; 0.02
40	2.5	204	0.16 + 0.02	0.17 + 0.01; 0.03
46	3.0	177	0.14 + 0.02	0.16 + 0.01; 0.02
50	4.9	145	0.14 + 0.04	0.18 + 0.01; 0.03

Abbreviations:

mR = millirem

s.d. = standard deviation

REMARKS:

Twenty-nine environmental (offsite) locations are monitored on a two-week exchange cycle using special TLDs for the TMI site. Two control TLDs were stored in a 1/2" thick lead shield at the NRC TMI Office for two weeks. The baseline data for the environmental monitoring were calculated using the past ten quarters of monitoring results. All monitoring results indicate normal natural background radiation levels.