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An Exelon/British Energy Company

January 12, 2004
5928-04-20020

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

THREE MILE ISLAND UNIT I (TMI UNIT 1)
OPERATING LICENSE NO. DPR-50
DOCKET NO. 50-289

SUBJECT: MONTHLY OPERATING REPORT FOR DECEMBER 2003

Enclosed are two copies of the December 2003 Monthly Operating Report for Three Mile Island Unit 1. The content and format of information submitted in this report is in accordance with the guidance provided by Generic Letter 97-02.

Additionally, as required by Technical Specification 3.24, information is provided on the status of the Reactor Vessel Water Level Instrumentation System. On January 25, 2003, both channels of the Reactor vessel Water Level Instrumentation System were isolated. Information on the cause for this isolation, the action being taken and the date for return to operable status are contained in the summary section of Appendix B.

Sincerely,

George H. Gellrich
Plant Manager

GHG/awm

Enclosure: Appendix A, and Appendix B

cc: Administrator, Region I
TMI-1 Senior Resident Inspector
File 04001

IE24

APPENDIX A
OPERATING DATA REPORT

DOCKET NO. 50-289
DATE January 12, 2004
COMPLETED BY A. W. MILLER
TELEPHONE (717) 948-8128

REPORTING PERIOD: December 2003

		MONTH	YEAR TO DATE	CUMULATIVE
1.	DESIGN ELECTRICAL RATING (MWe NET). The nominal net electrical output of the unit specified by the utility and used for the purpose of plant design.	819.0	**	**
2.	MAXIMUM DEPENDABLE CAPACITY (MWe NET). The gross electrical output as measured at the output terminals of the turbine generator during the most restrictive seasonal conditions minus the normal station service loads.	802.0	**	**
3.	NUMBER OF HOURS REACTOR WAS CRITICAL. The total number of hours during the gross hours of the reporting period that the reactor was critical.	667.1	7,631.6	174,877.9
4.	HOURS GENERATOR ON LINE. (Service Hours) The total number of hours during the gross hours of the reporting period that the unit operated with the breakers closed to the station bus. The sum of the hours that the generator was on line plus the total outage hours in the reporting period.	643.0	7,602.2	173,263.2
5.	UNIT RESERVE SHUTDOWN HOURS. The total number of hours during the gross hours of the reporting period that the unit was removed from service for economic or similar reasons but was available for operation.	0.0	0.0	0.0
6.	NET ELECTRICAL ENERGY (MWH). The gross electrical output of the unit measured at the output terminals of the turbine generator minus the normal station service loads during the gross hours of the reporting period, expressed in megawatt hours. Negative quantities should not be used.	418,815.0	6,205,073.0	137,727,999.4

** Design values have no "Year to Date" or "Cumulative" significance.

APPENDIX B
UNIT SHUTDOWNS

DOCKET NO. 50-289
DATE January 12, 2004
COMPLETED BY A. W. MILLER
TELEPHONE (717) 948-8128

REPORTING PERIOD: December 2003

No	Date	Type[1]	Generator Off Line Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Cause & Corrective Action to Prevent Recurrence
1	12/04/03	F	6.3	A	4	Main generator was synchronized to the grid following refueling outage T1R15, on 12/4/03 at 22:40. Both output breakers were opened at 22:47 on 12/4/03, based on main turbine bearing high vibrations. The reactor remained on-line. The unit was re-synchronized to the grid on 12/5/03 at 05:04.

1
F Forced
S Scheduled

2
Reason
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & Licensing Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method
1-Manual
2-Manual Scram
3-Automatic Scram
4-Other (Explain)

SUMMARY: On 12/4/03, at 04:52, the reactor reached criticality following refueling outage T1R15. On 12/4/03, at 22:40, main generator output breakers were closed. At 22:47, main generator output breakers were opened due to high vibrations on the main turbine bearings. The main generator output breakers were again closed on 12/5/03 at 05:04, and power ascension began. On 12/7/03, at approximately 01:50, with the unit at approximately 98% power, main feedwater pump 1A (FW-P-1A) failed. This resulted in an unplanned power reduction to approximately 63% power. Following evaluation, power was raised from 63% to approximately 75% on 12/13/03 at 15:30. Following repairs to FW-P-1A, power was increased to 100% on 12/21/03 at 17:21. The unit ended the month at 100% power.

SUMMARY (continued)

On January 23, 2003, an inspection in the basement area of the Reactor Building (inside the "B" D-Ring) identified a RCS leak on the line associated with the Reactor Vessel Water Level Instrumentation System. The leak, at a ¾ inch to ½ inch reducing fitting, was isolated by closing the two Reactor Vessel Water Level Instrumentation System isolation valves on January 25, 2003. The closing of these valves results in both channels of the Reactor Vessel Water Level Instrumentation System being inoperable. Since it is not feasible to repair this leak during power operation without incurring significant radiological exposure, both channels of the Reactor Vessel Water Level Instrumentation System remained inoperable till the next scheduled refueling outage.

Continued power operations with both channels of the Reactor Vessel Water Level Instrumentation System inoperable is allowed in accordance with Technical Specification (TS) 3.24. TS 3.24 states that if at least one channel is not restored within seven days, details are required to be provided in this report. These details must include cause, action being taken, and projected date for return to operable status.

Both channels of the Reactor Vessel Water Level Instrumentation System were inoperable because isolation valves were closed to mitigate a RCS leak on the instrumentation line associated with the Reactor Vessel Water Level Instrumentation System. The repair activities were completed and the system was returned to operable status on December 3, 2003, following post-maintenance inspection.