



AUG 2 1982

GPU Nuclear  
P.O. Box 480  
Middletown, Pennsylvania 17057  
717-944-7621  
AUG 2 1982  
Writer's Direct Dial Number:

July 1, 1982  
4400-82-L-0109

Office of Inspection and Enforcement  
Attn: Mr. Ronald C. Haynes, Director  
Region I  
US Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

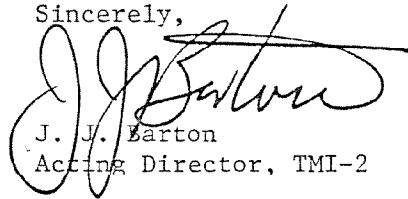
Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)  
Operating License No. DPR-73  
Docket No. 50-320  
Licensee Event Report 82-021/03L-0

Attached please find Licensee Event Report 82-021/03L-0 concerning the inoperability of the Control Room Chlorine Monitor on June 6, 1982.

This event concerns Section 3.3.3.7 and is considered reportable under Section 6.9.1.9(b) of the Interim Recovery Technical Specifications.

Sincerely,



J. J. Barton  
Acting Director, TMI-2

JJB/SDC/jep

Attachments

CC: L. H. Barrett, Deputy Program Director - TMI Program Office  
B. J. Snyder, Program Director - TMI Program Office  
V. Stello, Deputy Executive Director

8207130093 820701  
PDR ADOCK 05000320  
S PDR

IFU

LICENSEE EVENT REPORT

Attachment 1  
4400-82-L-0109

CONTROL BLOCK: \_\_\_\_\_ (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | P | A | T | M | I | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CON'T  
0 1 | REPORT SOURCE | L | 0 | 5 | 0 | 0 | 0 | 3 | 2 | 0 | 7 | 0 | 6 | 0 | 6 | 8 | 2 | 8 | 0 | 7 | 0 | 1 | 8 | 2 | 9  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | At 0910 hours on June 6, 1982, a danger alarm, along with an instrument fault alarm,  
0 3 | was received in the Unit 2 Control Room for the Control Room Chlorine (Cl<sub>2</sub>) monitor.  
0 4 | At 2000 hours on June 6, 1982, investigation verified that the Chlorine Monitor was not  
0 5 | functioning properly and was declared inoperable. This event is considered reportable  
0 6 | per Section 6.9.1.9(b) due to entry into and compliance with the requirements of  
0 7 | Technical Specification 3.3.3.7. This event had no effect on the plant, its operation,  
0 8 | or the health and safety of the public.  
7 8 9 80

0 9 | SYSTEM CODE | CAUSE CODE | CAUSE SUBCODE | COMPONENT CODE | COMP. SUBCODE | VALVE SUBCODE  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
T F 11 | F 12 | A 13 | T N S T R U 14 | X 15 | Z 16  
LER/RO REPORT NUMBER | EVENT YEAR | SEQUENTIAL REPORT NO. | OCCURRENCE CODE | REPORT TYPE | REVISION NO.  
17 | 8 2 | 0 2 1 | 0 3 | L | 0  
ACTION TAKEN | FUTURE ACTION | EFFECT ON PLANT | SHUTDOWN METHOD | HOURS | ATTACHMENT SUBMITTED | NPRD-4 FORM SUB. | PRIME COMP. SUPPLIER | COMPONENT MANUFACTURER  
A 18 | Z 19 | Z 20 | Z 21 | 0 0 0 0 22 | Y 23 | N 24 | A 25 | F 1 2 0 26  
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The cause was determined to be the result of a burned out light bulb in the meter  
1 1 | relay bulb assembly. The meter relay bulb assembly was replaced and the Chlorine  
1 2 | Monitor returned to service on June 14, 1982.  
1 3 |  
1 4 |  
7 8 9 80

1 5 | FACILITY STATUS | % POWER | OTHER STATUS (30) | METHOD OF DISCOVERY | DISCOVERY DESCRIPTION (32)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
X 28 | 0 0 0 29 | Recovery mode | A 31 | Operator response to alarm  
ACTIVITY CONTENT | AMOUNT OF ACTIVITY (35) | LOCATION OF RELEASE (36)  
1 6 | Z 33 | Z 34 | N/A | N/A  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 7 | PERSONNEL EXPOSURES | NUMBER | TYPE | DESCRIPTION (39)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
0 0 0 37 | Z 38 | N/A

1 8 | PERSONNEL INJURIES | NUMBER | DESCRIPTION (41)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
0 0 0 40 | N/A

1 9 | LOSS OF OR DAMAGE TO FACILITY | TYPE | DESCRIPTION (43)  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
Z 42 | N/A

2 0 | PUBLICITY ISSUED | DESCRIPTION (45) | PDR ADOCK 05000320 | NRC USE ONLY  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80  
N 44 | S | PDR

NAME OF PREPARER Steven D. Chaplin

PHONE: (717) 948-8461

LICENSEE EVENT REPORT  
NARRATIVE REPORT  
TMI-II  
LER 82-021/03L-0  
EVENT DATE - June 6, 1982

I. EXPLANATION OF OCCURRENCE

At 0910 hours on June 6, 1982, a danger alarm, along with an instrument fault alarm, was received in the Unit 2 Control Room for the Control Room Chlorine (Cl<sub>2</sub>) Monitor.

At 2000 hours on June 6, 1982, investigation verified that the Chlorine Monitor instrumentation was not functioning properly. Therefore, the monitor was declared inoperable. This placed the unit in the action statement of Technical Specification 3.3.3.7.

The Chlorine Monitor was repaired and returned to service on June 14, 1982.

This event is considered reportable under Technical Specification 6.9.1.9(b) due to entry into and compliance with the requirements of the action statement for Technical Specification 3.3.3.7.

II. CAUSE OF THE OCCURRENCE

The cause of the failure alarm was a burned out light bulb in the meter relay bulb assembly.

III. CIRCUMSTANCES SURROUNDING THE OCCURRENCE

At the time of the occurrence, the Unit 2 facility was in a long-term cold shutdown state. The reactor decay heat was being removed via loss to ambient. Throughout the event there was no effect on the Reactor Coolant System or the core.

IV. CORRECTIVE ACTIONS TAKEN OR TO BE TAKEN

Immediate

In order to minimize the "run" time on the recirculation system filters, the recirculation fans were secured after the chlorine monitor was tripped in the "actuation mode". This placed the system in a "fail safe" mode, one in which the Chlorine Monitor would still meet the Technical Specification intention (i.e. the control room ventilation would automatically switch to recirc mode upon receipt of trip signal from both the AIT and Control Room Chlorine Monitors).

The meter relay bulb assembly was replaced with a new unit and the Chlorine Monitor was returned to service on June 14, 1982.

Long-Term

N/A

V. COMPONENT FAILURE DATA

Chlorine Gas Detector  
Manufacturer: Fischer & Porter  
Model: 17E1100 Detectachlor