

Exelon Nuclear  
Limerick Generating Station  
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Pottstown, PA 19464

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T.S. 6.9.1.6

April 15, 2003

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

Limerick Generating Station, Units 1 and 2  
Facility Operating License Nos. NPF-39 and NPF-85  
NRC Docket Nos. 50-352 and 50-353

Subject: Monthly Operating Report for March 2003

Attached is the monthly operating report for Limerick Units 1 and 2 for the month of March 2003 forwarded pursuant to Technical Specification 6.9.1.6 and the guidance of NRC Generic Letter 97-02.

If you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,



Bryan C. Hanson  
Plant Manager

Attachments

cc: H. Miller, Administrator, Region I, USNRC  
A. Burritt, LGS USNRC Senior Resident Inspector

JE24

bcc: R. Braun - GML 5-1  
B. Hanson - GML 5-1  
C. Mudrick - SSB 3-1  
E. Kelly - SSB 3-1  
M. Kaminski - SSB 2-4  
S. Gamble - SSB 2-4  
R. McCall - SSB 2-3  
J. Toro - SMB 1-2  
G. Lee - SSB 3-1  
J. Grimes - KSA 3G  
J. Humphreys - KSA 3G  
D. Dyckman (PABRP) SSB 2-4

Unit: Limerick 1  
 Docket No: 50-352  
 Date: 4/15/03  
 Completed by: Greg Lee  
 Telephone: (610) 718-3707

**A. OPERATING DATA**  
**REPORT REPORTING PERIOD-March 2003**

|                                       |      |
|---------------------------------------|------|
| Design Electrical Rating (MWe-Net)    | 1191 |
| Maximum Dependable Capacity (MWe-Net) | 1134 |

|                                     | Month   | Year to Date | Cumulative  |
|-------------------------------------|---------|--------------|-------------|
| Hours Reactor Critical (Hours)      | 744.0   | 2,160.0      | 132,028.4   |
| Hours Generator On-Line (Hours)     | 744.0   | 2,160.0      | 130,069.1   |
| Unit Reserve Shutdown Hours (Hours) | 0.0     | 0.0          | 0.0         |
| Net Electrical Energy (MWh)         | 874,489 | 2,543,940    | 134,317,764 |

**B. UNIT SHUTDOWN**

| No. | Date (yymmdd) | Type | Generator Off-line Duration (hrs) | Reason | Method | Corrective Actions/Comments |
|-----|---------------|------|-----------------------------------|--------|--------|-----------------------------|
|     |               |      | None During March 2003            |        |        |                             |

**SUMMARY**

Unit 1 began the month of March 2003 at 100% of rated thermal power (RTP).

There were no power changes during the month of March 2003

Unit 1 ended the month of March 2003 at 100% RTP.

|             |   |                        |
|-------------|---|------------------------|
| Type        | Reason                                  | Method                 |
| F-Forced    | A-Equipment Failure (Explain)           | 1-Manual               |
| S-Scheduled | B-Maintenance or Test                   | 2-Manual Trip/Scram    |
|             | C-Refueling                             | 3-Automatic Trip/Scram |
|             | D-Regulatory Restriction                | 4-Continuation         |
|             | E-Operator Training/License Examination | 5-Other (Explain)      |
|             | F-Administrative                        |                        |
|             | G-Operational Error (Explain)           |                        |
|             | H-Other (Explain)                       |                        |

**C. SAFETY/RELIEF VALVE OPERATION**

| Date | Valves Actuated | No. & Type of Actuation | Plant Condition | Description of Event |
|------|-----------------|-------------------------|-----------------|----------------------|
|      |                 | None During March 2003  |                 |                      |

Unit: Limerick 2  
 Docket No: 50-353  
 Date: 4/15/03  
 Completed by: Greg Lee  
 Telephone: (610)718-3707

A. OPERATING DATA  
 REPORT REPORTING PERIOD-March 2003

|                                       |      |
|---------------------------------------|------|
| Design Electrical Rating (MWe-Net)    | 1191 |
| Maximum Dependable Capacity (MWe-Net) | 1134 |

|                                     | Month   | Year to Date | Cumulative  |
|-------------------------------------|---------|--------------|-------------|
| Hours Reactor Critical (Hours)      | 306.6   | 1,722.6      | 107,850.1   |
| Hours Generator On-Line (Hours)     | 263.7   | 1,679.7      | 106,114.7   |
| Unit Reserve Shutdown Hours (Hours) | 0.0     | 0.0          | 0.0         |
| Net Electrical Energy (MWh)         | 256,027 | 1,885,064    | 113,519,307 |

B. UNIT SHUTDOWN

| No. | Date (yymmdd) | Type | Generator Off-line Duration (hrs) | Reason | Method | Corrective Actions/Comments  |
|-----|---------------|------|-----------------------------------|--------|--------|--|
| 1a  | 030303        | F    | 3.6                               | A      | 3      | During plant shutdown for the refueling outage, the turbine was manually tripped due to high vibration, which resulted in an automatic scram of the reactor. |
| 1b  | 030303        | S    | 476.7                             | C      | 5      |  |

SUMMARY

Unit 2 began the month of March 2003 at 96% of rated thermal power (RTP). Throughout the month, unless specified below, when the unit was operated at less than 100% RTP, it was due to end-of-cycle coastdown or refueling outage power ascension.

On March 3<sup>rd</sup> at 11:25 hours, the reactor automatically scrammed at 27% RTP due to a manual trip of the turbine for high vibration during unit shutdown for the refueling outage.

On March 21<sup>st</sup> at 13:51 hours, reactor criticality was achieved. At 14:11 hours, the reactor went subcritical. At 17:07 hours, reactor criticality was again achieved.

On March 23<sup>rd</sup> at 09:54 hours, the main generator was synchronized to the grid at 20% RTP. At 13:31 hours, the main generator was tripped at 22% RTP for voltage regulator and overspeed testing. At 15:20 hours, the main generator was re-synchronized to the grid at 22% RTP.

On March 26<sup>th</sup> at 03:10 hours, reactor power was restored to 100% RTP. At 22:12 hours, reactor power was reduced from 95% to 62% RTP for rod pattern adjustment.

On March 27<sup>th</sup> at 17:45 hours, reactor power was restored 100% RTP.

Unit 2 ended the month of March 2003 at 100% RTP.

|             |   |                        |
|-------------|---|------------------------|
| Type        | Reason                                  | Method                 |
| F-Forced    | A-Equipment Failure (Explain)           | 1-Manual               |
| S-Scheduled | B-Maintenance or Test                   | 2-Manual Trip/Scram    |
|             | C-Refueling                             | 3-Automatic Trip/Scram |
|             | D-Regulatory Restriction                | 4-Continuation         |
|             | E-Operator Training/License Examination | 5-Other (Explain)      |
|             | F-Administrative                        |                        |
|             | G-Operational Error (Explain)           |                        |
|             | H-Other (Explain)                       |                        |

C. SAFETY/RELIEF VALVE OPERATION

| Date | Valves Actuated | No. & Type of Actuation | Plant Condition | Description of Event |
|------|-----------------|-------------------------|-----------------|----------------------|
|      |                 | None During March 2003  |                 |                      |