



PECO NUCLEAR

A Unit of PECO Energy

PECO Energy Company
PO Box 2300
Sanatoga, PA 19464-0920

T.S.6.9.1.6

January 26, 2000

Docket Nos. 50-352
50-353
License Nos. NPF-39
NPF-85

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

Subject: Limerick Generating Station
Monthly Operating Report For Units 1 and 2

Enclosed are the monthly operating reports for Limerick Units 1 and 2 for the month of January 2000 forwarded pursuant to Technical Specification 6.9.1.6.

Very truly yours,

Caren B. Anders
Director - Site Engineering

mjt

Enclosures

cc: H. J. Miller, Administrator, Region I, USNRC
A. L. Burritt, USNRC Senior Resident Inspector LGS
J. D. von Suskil, Vice President, LGS
S. T. Gamble, LGS Experience Assessment Branch, SSB2-4
S. A. Auve, LGS ISEG Branch, SSB4-2

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Limerick Generating Station
Unit 1
January 1 through January 31, 2000

I. Narrative Summary of Operating Experiences

Unit 1 began the month of January 2000 at 60% of rated thermal power (RTP).

On January 1st at 1240 reactor power was restored to 100% RTP following the Y2K load drop.

Throughout the entire month, unless specified below, when the unit operated at less than 100% RTP, it was due to end-of-cycle operation required to maintain margin to thermal limits.

On January 2nd at 1627 reactor power was reduced to 80.5% for a control rod pattern adjustment. Reactor power was restored to 98.4% on January 3rd at 0143. Power was maintained at 98.4% until January 4th at 2400 due to flow limitations. Reactor power was restored to 100% RTP on January 4th at 2400.

On January 7th at 2320 reactor power was reduced to 75% for a control rod pattern adjustment. Reactor power was limited to a maximum of 95% due to core flow being 110%. Reactor power was restored to 100% RTP on January 9th at 0308.

On January 15th at 1550 reactor power was reduced to 82% for a control rod pattern adjustment. Reactor power was returned to 100% on January 15th at 1940.

On January 28th at 2255 reactor power was reduced to 71% for a control rod pattern adjustment. Reactor power was returned to 97% on January 29th at 0205.

Unit 1 ended the month of January 2000 at 97% of rated thermal power.

II. Challenges to Main Steam Safety Relief Valves

There were no challenges to the Main Steam Safety Relief Valves during the month of January. There have been no challenges to the Main Steam Safety Relief Valves year-to-date.

OPERATING DATA REPORT

DOCKET NO. 50-352
DATE FEBRUARY 7, 2000
COMPLETED BY PECO ENERGY COMPANY
 P. A. HINCHEY
 THERMAL PERFORMANCE ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
TELEPHONE (610) 718-3797

OPERATING STATUS

1. UNIT NAME: **LIMERICK UNIT 1**
2. REPORTING PERIOD: **JANUARY 2000**
3. DESIGN ELECTRICAL RATING: **1134**
4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): **1174**
5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): **1134**

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|--|------------|------------|-------------|
| 6. NUMBER OF HOURS REACTOR WAS CRITICAL | 744.0 | 744.0 | 105,450.6 |
| 7. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 8. HOURS GENERATOR ON-LINE | 744.0 | 744.0 | 103,688.7 |
| 9. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 10. NET ELECTRICAL ENERGY GENERATED (MWH) | 850,498 | 850,498 | 104,204,197 |

UNIT SHUTDOWNS

DOCKET NO. 50-352
UNIT LIMERICK UNIT 1
DATE FEBRUARY 7, 2000
COMPLETED BY PECO ENERGY COMPANY
 P. A. HINCHEY
 THERMAL PERFORMANCE ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
TELEPHONE (610) 718-3797

REPORT MONTH JANUARY 2000

| NO. | DATE | TYPE (1) | DURATION (HOURS) | REASON (2) | METHOD OF SHUTTING DOWN REACTOR (3) | CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE |
|-----|--------|-------------|---------------------|---------------|--|--|
| 346 | 991229 | S | 0 | F | 1 | Y2K ROLLOVER |
| 347 | 000101 | S | 0 | B | 4 | END OF CYCLE OPERATION DUE TO THERMAL LIMITS |
| 348 | 000102 | S | 0 | B | 1 | CONTROL ROD PATTERN ADJUSTMENT |
| 349 | 000107 | S | 0 | B | 1 | CONTROL ROD PATTERN ADJUSTMENT |
| 350 | 000115 | S | 0 | B | 1 | CONTROL ROD PATTERN ADJUSTMENT |
| 351 | 000128 | S | 0 | B | 1 | CONTROL ROD PATTERN ADJUSTMENT |

(1)
 Type
 F – Forced
 S – Scheduled

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

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

UNIT SHUTDOWNS

Limerick Generating Station
Unit 2
January 1 through January 31, 2000

I. Narrative Summary of Operating Experiences

Unit 2 began the month of January 2000 at 0% of rated thermal power (RTP).

On January 4th at 0202 reactor power was returned to 100% RTP following a reactor scram on December 31st at 0111.

On January 4th at 2334 reactor power was reduced to 80% for a control rod pattern adjustment. Reactor power was returned to 100% RTP on January 5th at 0544.

On January 8th at 1631 a reactor scram occurred due to a DC battery ground. Reactor power was returned to 100% RTP on January 15th at 1332.

On January 14th at 2357 reactor power was reduced to 75% for a control rod pattern adjustment. Reactor power was returned to 100% on January 15th at 1332.

Unit 2 ended the month of January 2000 at 100% of rated thermal power.

II. Challenges to Main Steam Safety Relief Valves

There were no challenges to the Main Steam Safety Relief Valves during the month of January. There have been no challenges to the Main Steam Safety Relief Valves year-to-date.

OPERATING DATA REPORT

DOCKET NO. 50-353
DATE FEBRUARY 7, 2000
COMPLETED BY PECO ENERGY COMPANY
 P. A. HINCHEY
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 SITE ENGINEERING
 LIMERICK GENERATING STATION
TELEPHONE (610) 718-3797

OPERATING STATUS

| | | |
|--|-------|------------------------|
| 1. UNIT NAME: | | LIMERICK UNIT 2 |
| 2. REPORTING PERIOD: | | JANUARY 2000 |
| 3. DESIGN ELECTRICAL RATING: | | 1150 |
| 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): | | 1190 |
| 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): | | 1150 |

| | THIS MONTH | YR-TO-DATE | CUMULATIVE |
|--|-------------------|-------------------|-------------------|
| 6. NUMBER OF HOURS REACTOR WAS CRITICAL | 680.6 | 680.6 | 81,092.7 |
| 7. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 8. HOURS GENERATOR ON-LINE | 621.5 | 621.5 | 79,491.8 |
| 9. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0.0 |
| 10. NET ELECTRICAL ENERGY GENERATED (MWH) | 681,407 | 681,407 | 83,112,055 |

DOCKET NO. 50-353
 UNIT LIMERICK UNIT 2
 DATE FEBRUARY 7, 2000
 COMPLETED BY PECO ENERGY COMPANY
 P. A. HINCHEY
 THERMAL PERFORMANCE ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
 TELEPHONE (610) 718-3797

REPORT MONTH JANUARY 2000

| NO. | DATE | TYPE (1) | DURATION (HOURS) | REASON (2) | METHOD OF SHUTTING DOWN REACTOR (3) | CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE |
|-----|--------|-------------|---------------------|---------------|--|--|
| 374 | 991231 | F | 41.3 | A | 3 | MAIN TRANSFORMER FAILURE AND REACTOR SCRAM |
| 375 | 000104 | S | 0 | B | 1 | CONTROL ROD PAT ADJ & TROUBLESHOOT ROD 06-31 |
| 376 | 000108 | F | 81.2 | A | 3 | REACTOR SCRAM DUE TO DC BATTERY GROUND |
| 377 | 000114 | S | 0 | B | 1 | LOAD DROP TO 75% FOR CONTROL ROD PATTERN ADJUSTMENT |

(1)
 Type
 F -- Forced
 S -- Scheduled

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

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