



PECO NUCLEAR
A Unit of PECO Energy

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

T.S.6.9.1.6

December 2, 1999

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 November 1999 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

IE24

FDL A0002 05000 352

Limerick Generating Station
Unit 1
November 1 through November 30, 1999

I. Narrative Summary of Operating Experiences

Unit 1 began the month of November 1999 at 100% of rated thermal power (RTP).

On November 2nd at 2020 reactor power was reduced to 60% due to bad weather resulting in the loss of cooling tower blowdown. Reactor power was returned to 100% on November 4th at 1030.

On November 12th at 2200 reactor power was reduced to 80% to perform control rod pattern adjustments. Reactor power was returned to 100% on November 13th at 0130.

On November 23rd at 1402 reactor power was reduced to 50% due to the loss of the 1C condensate pump. Reactor power was returned to 100% on November 27th at 0856.

On November 27th 1300 reactor power was reduced to 80% to perform control rod pattern adjustments. Reactor power was returned to 100% later that day at 1647.

Unit 1 ended the month of November 1999 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 November. There have been no challenges to the Main Steam Safety Relief Valves year-to-date.

OPERATING DATA REPORT

DOCKET NO. 50-352
DATE DECEMBER 2, 1999
COMPLETED BY PECO ENERGY COMPANY
 J. L. KLUCAR
 THERMAL PERFORMANCE ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
TELEPHONE (610) 718-3785

OPERATING STATUS

1. UNIT NAME: **LIMERICK UNIT 1**
2. REPORTING PERIOD: **NOVEMBER 1999**
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	720.0	7,898.0	103,962.6
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	720.0	7,844.9	102,200.7
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	804,331	8,896,434	102,506,128

UNIT SHUTDOWNS

DOCKET NO. 50-352
UNIT LIMERICK UNIT 1
DATE DECEMBER 2, 1999
COMPLETED BY PECO ENERGY COMPANY
J. L. KLUCAR
THERMAL PERFORMANCE ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION
TELEPHONE (610) 718-3785

REPORT MONTH NOVEMBER 1999

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
340	991102	F	39	A	1	POWER REDUCTION DUE TO LOSS OF UNIT 1 COOLING TOWER BLOWDOWN
341	991112	S	5	B	1	ROD PATTERN ADJUSTMENT
342	991123	F	91	A	1	POWER REDUCTION DUE TO LOSS OF 1C CONDENSATE PUMP
343	991127	F	4	B	1	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)

Limerick Generating Station
Unit 2
November 1 through November 30, 1999

I. Narrative Summary of Operating Experiences

Unit 2 began the month of November 1999 at 100% of rated thermal power (RTP).

On November 2nd at 1822 reactor power was reduced to 90% to bad weather which caused a condenser low vacuum condition. Reactor power was returned to 100% on November 3rd at 0415.

On November 3rd at 1213 reactor power was reduced to 95% to clear an MSL HI RAD ALARM. Reactor power was returned to 100% on November 3rd at 1744.

On November 23rd at 2115 reactor power was reduced to 62% to perform msiv maintenance. Reactor power was returned to 100% on November 24th at 0825.

On November 26th at 1325 reactor power was reduced to 98% due to a vibration condition on the 2B condensate pump. Reactor power was returned to 100% on November 26th at 1450.

Unit 2 ended the month of November 1999 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 November. There have been no challenges to the Main Steam Safety Relief Valves year-to-date.

OPERATING DATA REPORT

DOCKET NO. 50-353
DATE DECEMBER 2, 1999
COMPLETED BY PECO ENERGY COMPANY
 J. L. KLUCAR
 THERMAL PERFORMANCE ENGINEER
 SITE ENGINEERING
 LIMERICK GENERATING STATION
TELEPHONE (610) 718-3785

OPERATING STATUS

1. UNIT NAME: **LIMERICK UNIT 2**
2. REPORTING PERIOD: **NOVEMBER 1999**
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	720.0	7,141.6	79,690.9
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	720.0	7,006.0	78,149.1
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	838,492	7,709,251	81,578,936

UNIT SHUTDOWNS

DOCKET NO. 50-353
UNIT LIMERICK UNIT 2
DATE DECEMBER 2, 1999
COMPLETED BY PECO ENERGY COMPANY
J. L. KLUCAR
THERMAL PERFORMANCE ENGINEER
SITE ENGINEERING
LIMERICK GENERATING STATION
TELEPHONE (610) 718-3785

REPORT MONTH NOVEMBER 1999

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
370	991102	F	10	B	1	POWER REDUCTION DUE TO CONDENSER LOW VACUUM
371	991103	F	6	B	1	POWER REDUCTION TO CLEAR MSL HI RAD ALARM
372	991123	S	11	B	1	POWER REDUCTION FOR MSIV MAINTENANCE
373	991126	F	2	B	1	POWER REDUCTION DUE TO VIBRATION CONDITION ON 2B CONDENSATE PUMP

(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)