



**PECO NUCLEAR**

A UNIT OF PECO ENERGY

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

T.S.6.9.1.6

August 14, 1998

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 July 1998 forwarded pursuant to Technical Specification 6.9.1.6.

Very truly yours,

*Mark Alden for JPE*

Joseph P. Grimes  
Director - Site Engineering

pah

Enclosures

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

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Limerick Generating Station  
Unit 1  
July 1 through July 31, 1998

I. Narrative Summary of Operating Experiences

Unit 1 began the month of July 1998 at 100% of rated thermal power (RTP).

On July 31, 1998 at 0205 hours, power reduction commenced for maintenance outage 1F32 to repair EHC tubing on #4 main turbine control valve. Power was reduced to 18% RTP at 0514 hours and the main turbine was manually tripped. Power was increased to 22% RTP at 0630 hours.

Unit 1 ended this month at 22 % RTP with 1F32 in progress.

II. Challenges to Main Steam Safety Relief Valves

There were no challenges to the Main Steam Safety Relief Valves during the month of July. There were no challenges to the Main Steam Safety Relief Valves year-to-date through July.

# OPERATING DATA REPORT

DOCKET NO. 50 - 352  
 DATE AUGUST 14, 1998  
 COMPLETED BY PECO ENERGY COMPANY  
 P. A. HINCHEY  
 REPORTS ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3797

## OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 1  
 2. REPORTING PERIOD: JULY, 1998  
 3. DESIGN ELECTRICAL RATING (NET MWE): 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	3,855.4	92,641.8
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	725.2	3,676.8	90,970.8
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	818,423	3,757,336	89,917,914



## UNIT SHUTDOWNS

DOCKET NO. 50 - 352  
UNIT NAME LIMERICK UNIT 1  
DATE AUGUST 14, 1998  
COMPLETED BY PECO ENERGY COMPANY  
P. A. HINCHEY  
REPORTS ENGINEER  
SITE ENGINEERING  
LIMERICK GENERATING STATION  
TELEPHONE (610) 718-3797

REPORT MONTH JULY, 1998

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
299	980731	F	18.8	A	4	REACTOR POWER WAS REDUCED TO 22% DUE TO UNISOLABLE EHC LEAK.
TOTAL HOURS			18.8			

(1)

F - FORCED  
S - SCHEDULED

(2)

REASON  
A - EQUIPMENT FAILURE (EXPLAIN)  
B - MAINTENANCE OR TEST  
C - REFUELING  
D - REGULATORY RESTRICTION  
E - OPERATOR 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  
July 1 through July 31, 1998

I. Narrative Summary of Operating Experiences

Unit 2 began the month of July 1998 at 100% rated thermal power (RTP).

On July 4, 1998 at 2356 hours, power was reduced to 95% of RTP for main turbine valve testing. Power was restored to 100% of RTP on July 5, 1998 at 0207 hours.

On July 10, 1998 at 2315 hours, power reduction commenced for scram time testing and condenser waterbox cleaning (loops 2A and 2C). Power was reduced to 56% of RTP on July 11, 1998 at 0746 hours. Power was restored to 100% of RTP on July 13, 1998 at 1238 hours.

On July 17, 1998 at 2315 hours, power reduction commenced for condenser waterbox (loop 2B) cleaning and inspection. Power was reduced to 56% of RTP on July 18, 1998 at 1130 hours. Power was increased to 96% RTP at 2126 hours for main turbine valve testing. Power was restored to 100% of RTP at 2235 hours.

On July 19, 1998 at 1500 hours, power reduction commenced for control rod exercise testing. Power was reduced to 97% of RTP at 1830 hours. Power ascension was halted at 99% RTP due to margin to thermal limits issue. At 23:30, power was decreased to 80% RTP for rod pattern adjustment. Power was restored to 100% of RTP on July 20, 1998 at 0504 hours.

On July 20, 1998 at 1500 hours, power was reduced to 99% RTP to support withdrawal of two control rods. Power was restored to 100% of RTP at 1525 hours.

On July 26, 1998 at 0155 hours, power was reduced to 95% of RTP for main turbine valve testing. Power was restored to 100% of RTP at 0305 hours.

On July 31, 1998 at 0018 hours, power was reduced to 99% of RTP due to main steam high radiation alarms. Power was restored to 100% of RTP at 0900 hours.

Unit 2 ended this month at 100% of RTP.

II. Challenges to Main Steam Safety Relief Valves

There were no challenges to the Main Steam Safety Relief Valves during the month of July. There were no challenges to the Main Steam Safety Relief Valves year-to-date through July.

# OPERATING DATA REPORT

DOCKET NO. 50 - 353  
 DATE AUGUST 14, 1998  
 COMPLETED BY PECO ENERGY COMPANY  
 P. A. HINCHEY  
 REPORTS ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3797

## OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 2  
 2. REPORTING PERIOD: JULY, 1998  
 3. DESIGN ELECTRICAL RATING (NET MWE): 1115  
 4. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1155  
 5. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1115

	THIS MONTH	YR-TO-DATE	CUMULATIVE
6. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4,729.3	68,876.3
7. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
8. HOURS GENERATOR ON-LINE	744.0	4,674.4	67,470.1
9. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
10. NET ELECTRICAL ENERGY GENERATED (MWH)	792,158	5,150,444	69,762,245



## UNIT SHUTDOWNS

DOCKET NO. 50 - 353  
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 DATE AUGUST 14, 1998  
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 P. A. HINCHEY  
 REPORTS ENGINEER  
 SITE ENGINEERING  
 LIMERICK GENERATING STATION  
 TELEPHONE (610) 718-3797

REPORT MONTH JULY, 1998

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
311	980704	S		B	4	REACTOR POWER WAS REDUCED TO 95% DUE TO MAIN TURBINE VALVE TESTING.
312	980710	S		B	4	REACTOR POWER WAS REDUCED TO 56% PRIMARILY DUE TO SCRAM TIME TESTING.
313	980717	S		B	4	REACTOR POWER WAS REDUCED TO 56% DUE TO MAIN CONDENSER WATERBOX CLEANING AND INSPECTION.
314	980719	S		B	4	REACTOR POWER WAS REDUCED TO 80% DUE TO CONTROL ROD EXERCISE AND SUBSEQUENT ROD PATTERN ADJUSTMENT.
315	980720	F		F	4	REACTOR POWER WAS REDUCED TO 99% DUE TO SUPPORT OF WITHDRAWING TWO CONTROL RODS.
316	980726	S		B	4	REACTOR POWER WAS REDUCED TO 95% DUE TO MAIN TURBINE VALVE TESTING.
317	980731	F		H	4	REACTOR POWER WAS REDUCED TO 99% DUE TO MAIN STEAM LINE HIGH RAD ALARMS.

TOTAL HOURS

(1)

F - FOF.CED  
 S - SCHEDULED

(2)

REASON  
 A - EQUIPMENT FAILURE (EXPLAIN)  
 B - MAINTENANCE OR TEST  
 C - REFUELING  
 D - REGULATORY RESTRICTION  
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(3)

METHOD  
 1 - MANUAL  
 2 - MANUAL SCRAM  
 3 - AUTOMATIC SCRAM  
 4 - OTHER (EXPLAIN)