

OPERATING DATA REPORT



3902092810

DOCKET NO. 50 - 352

DATE JULY 1, 1990

COMPLETED BY PHILADELPHIA ELECTRIC COMPANY

KARL MECK  
REPORTS SUPERVISOR  
BUSINESS UNIT  
LIMERICK GENERATING STATION  
TELEPHONE (215) 327-1200 EXTENSION 3320

OPERATING STATUS

1. UNIT NAME: LIMERICK UNIT 1  
2. REPORTING PERIOD: JUNE, 1990  
3. LICENSED THERMAL POWER(MWT): 3293  
4. NAMEPLATE RATING (GROSS MWE): 1138  
5. DESIGN ELECTRICAL RATING (NET MWE): 1055  
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 1092  
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 1055

NOTES: THERE WERE TWO LOAD REDUCTIONS  
GREATER THAN 20% BEFORE THE  
UNIT WAS SHUTDOWN. THERE WAS  
A SECOND SHUTDOWN AT THE END  
OF THE MONTH.

8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE):

10. REASONS FOR RESTRICTIONS, IF ANY:

	THIS MONTH	VR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720	4,343	38,663
12. NUMBER OF HOURS REACTOR WAS CRITICAL	232.9	3,855.9	30,984.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	148.0	3,771.0	30,442.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	366,490	12,033,766	89,897,206
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	106,550	3,885,30	29,071,700
18. NET ELECTRICAL ENERGY GENERATED (MWH)	96,961	3,740,678	27,797,074

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	THIS MONTH	YR-TO-DATE	CUMULATIVE
19. UNIT SERVICE FACTOR	20.6	86.8	78.7
20. UNIT AVAILABILITY FACTOR	20.6	86.8	78.7
21. UNIT CAPACITY FACTOR (USING MDC NET)	12.3	81.6	68.1
22. UNIT CAPACITY FACTOR (USING DER NET)	12.8	81.6	68.1
23. UNIT FORCED OUTAGE RATE	60.1	5.6	3.3
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): REFUELING OUTAGE; SEPTEMBER 07, 1990; 75 DAYS			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 07/03/90

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	12/19/84	12/22/84
INITIAL ELECTRICITY	MID APRIL 85	4/13/85
COMMERCIAL OPERATION	1ST QTR 86	2/01/86



CORRECTION TO REFLECT MANAGEMENT DECISION TO  
SHUTDOWN TO CORRECT PROBLEM RATHER THAN OPERATE  
DERATED.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

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NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (4)	LICENSEE EVENT REPORT #	SYSTEM CODE (5)	COMPONENT CODE (6)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
17	900601	S	000.0	B	4	N/A	ZZ	ZZZZZZ	LOAD WAS REDUCED 38% TO PERFORM CONTROL ROD PATTERN ADJUSTMENT AND MAIN TURBINE CONTROL VALVE TESTING.
18	900604	F	000.0	A	4	N/A	ZZ	ZZZZZZ	LOAD WAS REDUCED 82% DUE TO LOSS OF CONDENSER VACUUM. STEAM JET AIR EJECTOR RECIRC VALVE FAILED OPEN.
19	900604	S	177.6 <sup>A</sup>	B	2	N/A	ZZ	ZZZZZZ	SEVERAL EQUIPMENT DEFICIENCIES PROMPTED MANAGEMENT DECISION TO SHUTDOWN FOR SHORT MAINTENANCE OUTAGE TO IMPROVE PERFORMANCE AND RELIABILITY FOR REMAINDER OF FUEL CYCLE.
20	900612 <sup>A</sup>	F	222.9 <sup>A</sup>	A	4	1-90-013	ZZ	ZZZZZZ	UNDERRATED FUSES IN DC CIRCUITS AND BROKEN MOTOR-GENERATOR SCOOP TUBE LINKAGE RESTRAINED STARTUP.
21	900623 <sup>A</sup>	S	171.4	A	2	N/A	ZZ	ZZZZZZ	MAINSTEAM ISOLATION VALVE CLOSURE DUE TO LEAKING AIR SOLENIOD FITTING. ALSO A CONDENSATE FILTER DEMINERALIZER INLET ISOLATION VALVE LEAKAGE PROMPTED

(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)

(4)

EXHIBIT G - INSTRUCTIONS  
 FOR PREPARATION OF DATA  
 ENTRY SHEETS FOR LICENSEE  
 EVENT REPORT (LER)  
 FILE (NUREG-0161)

(5)

EXHIBIT I - SAME SOURCE

<sup>A</sup>

CORRECTION TO REFLECT MANAGEMENT DECISION TO SHUTDOWN TO CORRECT PROBLEM RATHER THAN OPERATE DERATED. ALSO CORRECTS DATE AND HOURS FOR ACTUAL FORCED OUTAGE HOURS.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

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			571.9						MANAGEMENT DECISION TO SHUTDOWN.

(1)

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(2)

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(5)

EXHIBIT I - SAME SOURCE



UNIT NAME LIMERICK UNIT 2

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REPORT MONTH JUNE, 1990

NO.	DATE	TYPE (1)	DURATION (HOURS) (2)	REASON (3)	METHOD OF SHUTTING DOWN REACTOR (4)	LICENSEE EVENT REPORT # (5)	SYSTEM CODE (6)	COMPONENT CODE (7)	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
11	900604	F	000.0	A	4	N/A	ZZ	ZZZZZZ	LOAD WAS REDUCED 54% DUE TO AN ELECTRO-HYDRAULIC CONTROL SYSTEM LEAK.
12	900613	S	000.0	F	4	N/A	ZZ	ZZZZZZ	LOAD WAS REDUCED BRIEFLY 20% TO PERFORM CONTROL ROD PATTERN ADJUSTMENT.
13	900621	F	000.0	A	4	N/A	ZZ	ZZZZZZ	LOAD WAS REDUCED 76% DUE TO A CONDENSATE FILTER DEMINERALIZER (CFD) HEAD LEAK.
14	900621	F	024.0	A	2	N/A	ZZ	ZZZZZZ	CFD HEAD LEAK PROMPTED MANAGEMENT DECISION TO SHUTDOWN FOR REPAIR.
15	900622	S	200.3	B	4	N/A	ZZ	ZZZZZZ	MAINTENANCE ON THE REACTOR WATER CLEANUP TO FEEDWATER CHECK VALVE EXTENDED THE OUTAGE.
			224.3						

(1)

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(2)

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CORRECTION TO IDENTIFY SHUTDOWN METHOD.