

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9005180174      DOC. DATE: 90/04/30      NOTARIZED: NO      DOCKET #  
 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.      05000335  
       50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
 AUTH. NAME      AUTHOR AFFILIATION  
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 SAGER, D.A.      Florida Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Apr 1990 for St Lucie Units 1 & 2.W/900515 ltr.

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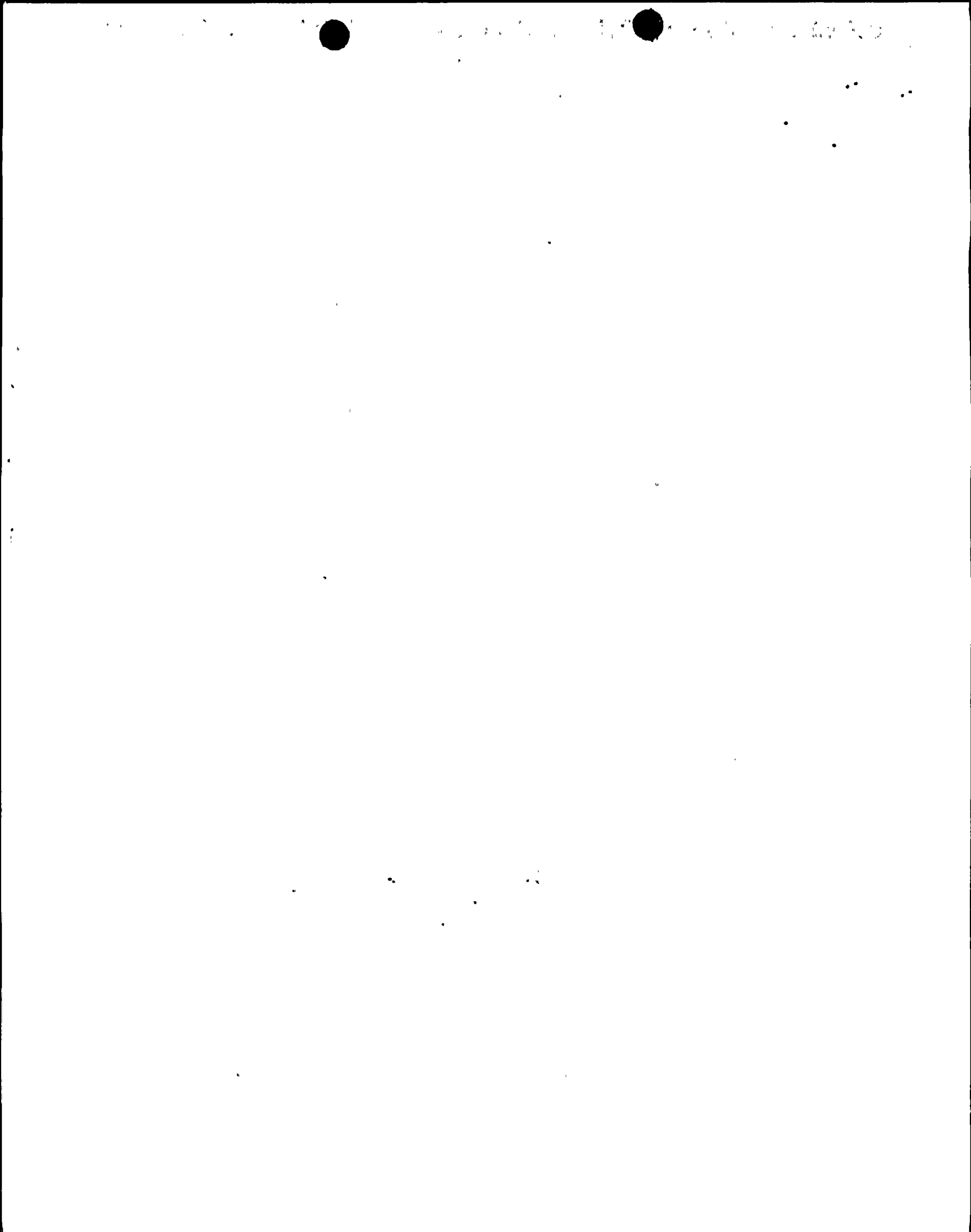
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	<u>REG-FEE 01</u>		1	1	RGN2		1	1
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MAY 15 1990

L-90-175  
10 CFR 50.36

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

Gentlemen:

RE: St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389  
Monthly Operating Report

Attached are the April 1990 Operating Status and Summary of Operating Experience Reports for St. Lucie Units 1 and 2.

Very truly yours,

D. A. Sager  
Vice President  
St. Lucie Plant

DAS/DMB

Attachments

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

9005180174 900430  
PDR ADOCK 05000335  
R PDC

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-335

UNIT St. Lucie #1

DATE May 15, 1990

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

MONTH April, 1990

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

4/ 1/90	-5
4/ 2/90	-5
4/ 3/90	-4
4/ 4/90	-8
4/ 5/90	-7
4/ 6/90	-8
4/ 7/90	-8
4/ 8/90	-7
4/ 9/90	-8
4/10/90	-16
4/11/90	-22
4/12/90	-22
4/13/90	-26
4/14/90	-28
4/15/90	-28
4/16/90	-23
4/17/90	-9
4/18/90	-9
4/19/90	-11
4/20/90	-11
4/21/90	-25
4/22/90	-30
4/23/90	14
4/24/90	150
4/25/90	73
4/26/90	193
4/27/90	309
4/28/90	523
4/29/90	668
4/30/90	761

OPERATING DATA REPORT

DOCKET NO 50 - 335  
 DATE 5/15/90  
 COMPLETED BY D. M. BONETT  
 TELEPHONE 407/694/4432

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 1
2. REPORTING PERIOD: APRIL 1990
3. LICENSED THERMAL POWER (MWT): \_\_\_\_\_ 2700
4. NAMEPLATE RATING (GROSS MWE): \_\_\_\_\_ 850
5. DESIGN ELECTRICAL RATING (NET MWE): \_\_\_\_\_ 830
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): \_\_\_\_\_ 872
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): \_\_\_\_\_ 839
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: \_\_\_\_\_

	MONTHLY	-YTD-	CUMULATIVE
11. HOURS IN REPORT PERIOD: _____	719	2879	117095.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	214.3	721.3	88109.9
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	205.3
14. HOURS GENERATOR ON-LINE _____	165.6	672.5	87309.5
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	39.3
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	228460	1577315	224534955
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	71920	526230	73969300
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	56387	480675	69879540
19. UNIT SERVICE FACTOR _____	23.0	23.4	74.6
20. UNIT AVAILABILITY FACTOR _____	23.0	23.4	74.6
21. CAPACITY FACTOR (USING MDC NET) _____	9.3	19.9	74.2
22. CAPACITY FACTOR (USING DER NET) _____	9.4	20.1	73.0
23. UNIT FORCED OUTAGE RATE _____	0.0	1.8	3.5
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS :			

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-335

UNIT NAME St. Lucie #1

DATE May 15, 1990

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH April, 1990

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
02	900122	S	544.1	C	4		RC	FUELXX	Unit 1 remained shutdown for a scheduled refueling and maintenance outage.
03	900423	S	9.3	B	9		HA	TURBIN	During the return to power the unit was held at various power levels to perform power ascension physics testing. Following the 25% power plateau, the unit was taken off line to perform the turbine overspeed trip test.
04	900428	S	0.0	B	5		ZZ	ZZZZZZ	During power ascension physics testing, the unit was held for leak rate/water balance.

**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 - Continued  
5 - Load Reduction  
9 - Other (Explain)

**4**  
Exhibit G-Instructions  
for Preparation of Data  
Entry Scheets Licensee  
Event Report (LER) File  
(NUREG-0161)

**5**  
Exhibit 1 - Same Source

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-335

UNIT NAME St. Lucie #1

DATE May 15, 1990

COMPLETED BY D. M. Bonnett

TELEPHONE (407) 694-4432

REPORT MONTH April, 1990

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
05	900428	S	0.0	A	5		HH	PUMPXX	During the return to power, a problem with the 1A Heater Drain Pump was observed. Following the resolution of the problem, full power operation was resumed.

- 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 - Continued
  - 5 - Load Reduction
  - 9 - Other (Explain)

- 4**
- Exhibit G- Instructions for Preparation of Data Entry Scheets Licensee Event Report (LER) File (NUREG-0161)

- 5**
- Exhibit 1 - Same Source





SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-335

UNIT St. Lucie #1

DATE May 15, 1990

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH April, 1990

Unit 1 remained shutdown for a scheduled refueling and maintenance outage for approximately 544 hours. Following the outage, power ascension testing was done. During the power ascension, a problem with the 1A Heater Drain Pump was identified and resolved. Power operation was resumed.

In accordance with requirements of Technical Specification 6.9.1.6, there were no challenges to the PORVs or safety valves during the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-389

UNIT St. Lucie #2

DATE May 15, 1990

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

MONTH April, 1990

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

4/ 1/90	856.
4/ 2/90	854
4/ 3/90	856
4/ 4/90	822
4/ 5/90	689
4/ 6/90	857
4/ 7/90	858
4/ 8/90	858
4/ 9/90	858
4/10/90	858
4/11/90	858
4/12/90	858
4/13/90	859
4/14/90	857
4/15/90	857
4/16/90	854
4/17/90	855
4/18/90	856
4/19/90	855
4/20/90	852
4/21/90	852
4/22/90	855
4/23/90	855
4/24/90	846
4/25/90	854
4/26/90	855
4/27/90	854
4/28/90	854
4/29/90	855
4/30/90	855

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-389

UNIT St. Lucie #2

DATE May 15, 1990

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH April, 1990

Unit 2 operated at essentially full power and had no shutdowns or significant power reductions.

In accordance with requirements of Technical Specification 6.9.1.6, there were no challenges to the PORVs or safety valves during the report period.

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-389

UNIT NAME St. Lucie #2

DATE May 15, 1990

COMPLETED BY D. M. Bonnett

TELEPHONE (407) 694-4432

REPORT MONTH April, 1990

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
									Unit 2 operated at essentially full power and had no shutdowns or significant power reductions.

**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 - Continued  
5 - Load Reduction  
9 - Other (Explain)

**4**  
Exhibit G- Instructions for Preparation of Data Entry Scheets Licensee Event Report (LER) File (NUREG-0161)

**5**  
Exhibit 1 - Same Source

OPERATING DATA REPORT

DOCKET NO 50 - 389  
 DATE 5/15 /90  
 COMPLETED BY D. M. BONETT  
 TELEPHONE 407/694/4432

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 2
2. REPORTING PERIOD: APRIL 1990
3. LICENSED THERMAL POWER (MWT): \_\_\_\_\_ 2700
4. NAMEPLATE RATING (GROSS MWE): \_\_\_\_\_ 850
5. DESIGN ELECTRICAL RATING (NET MWE): \_\_\_\_\_ 830
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): \_\_\_\_\_ 882
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): \_\_\_\_\_ 839
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: \_\_\_\_\_

	MONTHLY	-YTD-	CUMULATIVE
11. HOURS IN REPORT PERIOD: _____	719	2879	58992.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	719.0	2639.5	50808.4
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE _____	719.0	2600.2	49954.9
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1927984	6918958	130716354
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	642990	2312520	43564430
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	610239	2188900	41202014
19. UNIT SERVICE FACTOR _____	100.0	90.3	84.7
20. UNIT AVAILABILITY FACTOR _____	100.0	90.3	84.7
21. CAPACITY FACTOR (USING MDC NET) _____	101.2	90.6	85.2
22. CAPACITY FACTOR (USING DER NET) _____	102.3	91.6	85.1
23. UNIT FORCED OUTAGE RATE _____	0.0	9.7	5.5
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS : 8/29/90; 63 DAYS _____			

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_