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ACCESSION NBR: 8910270251 DOC. DATE: ~~89/09/30~~ NOTARIZED: NO DOCKET #
 FACIL: 50-000. Generic Docket 05000000
 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 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
 BONETT, D.M. Florida Power & Light Co.
 ACOSTA, R.J. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Sept 1989 for Turkey Point Units
 3 & 4 & St Lucie Units 1 & 2. W/891016 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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P.O. Box 14000, Juno Beach, FL 33408-0420

OCTOBER 16 1989

L-89-372
10 CFR 50.36

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

Gentlemen:

RE: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Monthly Operating Report

Attached are the September 1989 Operating Status Reports and Summary of Operating Experience Reports for Turkey Point Units 3 and 4, and St. Lucie Units 1 and 2.

Very truly yours,

R. J. Acosta
Acting Vice President - Nuclear Energy

RJA/DMB

Attachments

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

8910270251 890930
PDR ADDCK 05000250
R PNU



IE24
1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-250

UNIT Turkey Point #3

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

MONTH September, 1989

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net).

9/ 1/89	469
9/ 2/89	342
9/ 3/89	377
9/ 4/89	375
9/ 5/89	383
9/ 6/89	462
9/ 7/89	666
9/ 8/89	673
9/ 9/89	634
9/10/89	483
9/11/89	671
9/12/89	670
9/13/89	669
9/14/89	667
9/15/89	667
9/16/89	668
9/17/89	667
9/18/89	666
9/19/89	670
9/20/89	667
9/21/89	668
9/22/89	671
9/23/89	671
9/24/89	672
9/25/89	671
9/26/89	672
9/27/89	668
9/28/89	671
9/29/89	676
9/30/89	677

OPERATING DATA REPORT

DOCKET NO 50 - 250
 DATE 10/16/89
 COMPLETED BY D. M. BONETT
 TELEPHONE 407/694/4432

OPERATING STATUS

1. UNIT NAME: TURKEY POINT UNIT 3
2. REPORTING PERIOD: SEPTEMBER 1989
3. LICENSED THERMAL POWER (MWT): 2200
4. NAMEPLATE RATING (GROSS MWE): 760
5. DESIGN ELECTRICAL RATING (NET MWE): 693
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 699
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 666
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: _____	720	6551	147464.6
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	720.0	3597.5	96981.2
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	844.4
14. HOURS GENERATOR ON-LINE _____	720.0	3495.6	95653.0
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	121.8
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1457916	7266298	198460047
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	461295	2320925	63583451
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	438265	2179894	60110438
19. UNIT SERVICE FACTOR _____	100.0	53.4	64.9
20. UNIT AVAILABILITY FACTOR _____	100.0	53.4	64.9
21. CAPACITY FACTOR (USING MDC NET) _____	91.4	50.0	62.4
22. CAPACITY FACTOR (USING DER NET) _____	87.8	48.0	58.8
23. UNIT FORCED OUTAGE RATE _____	0.0	23.2	13.9
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS : 2/15/90; REFUELING _____			

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-250

UNIT NAME Turkey Point #3

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH September, 1989

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
09	890901	F	0.0	A	5		HH	PUMPXX	Unit 3 reduced power to correct 3B Steam Generator Feedwater Pump Vibration. Full power operation was resumed.
10	890909	F	0.0	A	5		HH	PUMPXX	Unit 3 reduced power to repair 3B Steam Generator Feedwater Pump bypass line leakage. Following the repair, 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 Sheets Licensee
Event Report (LER) File
(NUREG-0161)

5

Exhibit 1 - Same Source

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-250

UNIT Turkey Point #3

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH September, 1989

Unit 3 reduced power to correct the 3B Steam Generator Feedwater Pump vibration and to repair the bypass line leakage on the 3B Steam Generator Feedwater Pump. Following the repair, full power operation was resumed.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-251

UNIT Turkey Point #4

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

MONTH September, 1989

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

9/ 1/89	665
9/ 2/89	664
9/ 3/89	664
9/ 4/89	665
9/ 5/89	667
9/ 6/89	245
9/ 7/89	5
9/ 8/89	331
9/ 9/89	345
9/10/89	314
9/11/89	601
9/12/89	668
9/13/89	668
9/14/89	668
9/15/89	110
9/16/89	-16
9/17/89	-15
9/18/89	-19
9/19/89	-20
9/20/89	-20
9/21/89	-17
9/22/89	-13
9/23/89	-8
9/24/89	-3
9/25/89	-3
9/26/89	-3
9/27/89	-3
9/28/89	-3
9/29/89	-11
9/30/89	-10

OPERATING DATA REPORT

DOCKET NO 50 - 251
 DATE 10/16/89
 COMPLETED BY D. M. BONNETT
 TELEPHONE 407/694/4432

OPERATING STATUS

1. UNIT NAME: TURKEY POINT UNIT 4
2. REPORTING PERIOD: SEPTEMBER 1989
3. LICENSED THERMAL POWER (MWT): 2200
4. NAMEPLATE RATING (GROSS MWE): 760
5. DESIGN ELECTRICAL RATING (NET MWE): 693
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 699
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 666
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:	720	6551	141196.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	340.4	2292.0	92528.6
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	166.6
14. HOURS GENERATOR ON-LINE	307.7	1991.1	89185.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	32.1
16. GROSS THERMAL ENERGY GENERATED (MWH)	597961	3834944	187917364
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	185219	1189204	59938006
18. NET ELECTRICAL ENERGY GENERATED (MWH)	170426	1094127	56677386
19. UNIT SERVICE FACTOR	42.7	30.4	63.2
20. UNIT AVAILABILITY FACTOR	42.7	30.4	63.2
21. CAPACITY FACTOR (USING MDC NET)	35.5	25.1	61.5
22. CAPACITY FACTOR (USING DER NET)	34.2	24.1	57.9
23. UNIT FORCED OUTAGE RATE	57.3	24.9	11.8
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS :			

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 10/13/89

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-251

UNIT NAME Turkey Point #4

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH September, 1989

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
22	890906	F	32.7	A	1		HF	HTEXCH	Unit 4 was shutdown to repair 1 condenser tube leaks. Full power operation was delayed for secondary chemistry control.
23	890915	F	379.6	A	2		HA	VALVEX	Unit 4 was manually tripped following a turbine stop valve closure. The unit outage was extended for repairs of additional components.

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 Sheets Licensee
Event Report (LER) File
(NUREG-0161)

5
Exhibit 1 - Same Source

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-251

UNIT Turkey Point #4

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH September, 1989

Unit 4 was shutdown to repair condenser tube leaks. Full power operation was delayed for secondary chemistry control.

The unit was manually tripped following a turbine stop valve closure. The unit outage was extended for repairs of additional components.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-335

UNIT St. Lucie #1

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

MONTH September, 1989

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

9/ 1/89	799
9/ 2/89	746
9/ 3/89	843
9/ 4/89	845
9/ 5/89	838
9/ 6/89	838
9/ 7/89	835
9/ 8/89	825
9/ 9/89	831
9/10/89	832
9/11/89	830
9/12/89	822
9/13/89	472
9/14/89	295
9/15/89	843
9/16/89	842
9/17/89	843
9/18/89	841
9/19/89	842
9/20/89	843
9/21/89	844
9/22/89	786
9/23/89	656
9/24/89	708
9/25/89	775
9/26/89	851
9/27/89	849
9/28/89	838
9/29/89	845
9/30/89	849

OPERATING DATA REPORT

DOCKET NO 50 - 335
 DATE 10/16/89
 COMPLETED BY D. M. BONETT
 TELEPHONE 407/694/4432

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 1
2. REPORTING PERIOD: SEPTEMBER 1989
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: _____	720	6551	112007.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	700.4	6081.0	85179.6
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	205.3
14. HOURS GENERATOR ON-LINE _____	698.1	6071.2	84450.5
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	39.3
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1834971	16151606	217172793
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	601050	5399425	71518020
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	568999	5121379	67572909
19. UNIT SERVICE FACTOR _____	97.0	92.7	75.4
20. UNIT AVAILABILITY FACTOR _____	97.0	92.7	75.4
21. CAPACITY FACTOR (USING MDC NET) _____	94.2	93.2	74.9
22. CAPACITY FACTOR (USING DER NET) _____	95.2	94.2	73.8
23. UNIT FORCED OUTAGE RATE _____	2.0	0.2	3.5
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS : 2/18/90; REFUELING _____			
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 October 16, 1989

COMPLETED BY D. M. Bonett

REPORT MONTH September, 1989

TELEPHONE (407) 694-4432

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
03	890913	F	21.9	H	3		IA	CKTBRK	Unit 1's reactor tripped due to maintenance activities on the reactor protection system and trip switchgear. Full power operation was resumed.
04	890922	F	0.0	A	5		HC	PUMPXX	The unit reduced power to replace the 1A Heater Drain Pump Seal.

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 Sheets 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 October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH September, 1989

Unit 1's reactor tripped due to maintenance activities on the reactor protection system and trip switchgear. .

The unit reduced power to replace the 1A heater drain pump seal. Full power operation was resumed.

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-389

UNIT St. Lucie #2

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

MONTH September, 1989

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

9/ 1/89	844
9/ 2/89	845
9/ 3/89	848
9/ 4/89	848
9/ 5/89	845
9/ 6/89	845
9/ 7/89	844
9/ 8/89	842
9/ 9/89	843
9/10/89	845
9/11/89	845
9/12/89	846
9/13/89	846
9/14/89	846
9/15/89	845
9/16/89	847
9/17/89	845
9/18/89	844
9/19/89	844
9/20/89	845
9/21/89	845
9/22/89	847
9/23/89	192
9/24/89	-34
9/25/89	-34
9/26/89	-33
9/27/89	319
9/28/89	844
9/29/89	843
9/30/89	823

OPERATING DATA REPORT

DOCKET NO 50 - 389
 DATE 10/16/89
 COMPLETED BY D. M. BONETT
 TELEPHONE 407/694/4432

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 2
2. REPORTING PERIOD: SEPTEMBER 1989
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: _____	720	6551	53904.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	627.9	4417.9	45959.9
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE _____	618.7	4324.1	45145.7
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1661957	11419202	117902872
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	548040	3795840	39292680
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	516253	3580005	37154898
19. UNIT SERVICE FACTOR _____	85.9	66.0	83.8
20. UNIT AVAILABILITY FACTOR _____	85.9	66.0	83.8
21. CAPACITY FACTOR (USING MDC NET) _____	85.5	65.1	83.9
22. CAPACITY FACTOR (USING DER NET) _____	86.4	65.8	83.9
23. UNIT FORCED OUTAGE RATE _____	14.1	3.1	5.5
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. 50-389

UNIT NAME St. Lucie #2

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH September, 1989

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
10	890923	F	101.3	A	2		RB	CONROD	Unit 2 was manually tripped due to five control rods dropping. Full power operation was delayed for Nuclear - Delta T power calibration.

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 Sheets Licensee
Event Report (LER) File
(NUREG-0161)

5
Exhibit 1 - Same Source

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-389

UNIT St. Lucie #2

DATE October 16, 1989

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH September, 1989

Unit 2 was manually tripped due to five control rods dropping. Full power operation was resumed.

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