OPERATING DATA REPORT

DOCKET NO. 50-295
DATE 85 07 09
COMPLETED BY G Austin
TELEPHONE 746-2084

OPERATING STATUS

1. Unit Name: Zion Unit One
2. Reporting Period: 0000 85 06 01 TO 2400 85 06 30
3. Licensed Thermal Power (MWt): 3250
4. Nameplate Rating (Gross MWe): 1085
5. Design Electrical Rating (Net MWe): 1040
6. Maximum Dependable Capacity (Gross MWe): 1085
7. Maximum Dependable Capacity (Net MWe): 1040

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	4343.0	100,799.0
12. Number Of Hours Reactor Was Critical	375.4	933.7	69,329.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	2,621.8
14. Hours Generator On-Line	242.5	793.7	67,292.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	442,559	1,941,765	190,055,943
17. Gross Electrical Energy Generated (MWH)	136,952	621,304	61,293,098
18. Net Electrical Energy Generated (MWH)	119,553	558,429	60,094,008
19. Unit Service Factor	33.7	18.3	66.8
20. Unit Availability Factor	33.7	18.3	66.8
21. Unit Capacity Factor (Using MDC Net)	16.0	12.4	57.3
22. Unit Capacity Factor (Using DER Net)	16.0	12.4	57.3
23. Unit Forced Outage Rate	17.8	21.7	14.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
NA

25. If Shut Down At End Of Report Period, Estimated Date of Startup: NA
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY	NA	
COMMERCIAL OPERATION		

IE24
1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295
UNIT Zion Unit 1
DATE 850709
COMPLETED BY G Austin
TELEPHONE (312) 746 2084

MONTH June

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-16	17	-23
2	-16	18	44
3	-15	19	348
4	-15	20	457
5	-20	21	454
6	-21	22	452
7	-20	23	453
8	-20	24	546
9	-20	25	843
10	-20	26	621
11	-20	27	635
12	-18	28	-20
13	-18	29	-19
14	-20	30	491
15	-21	31	
16	-22		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June

DOCKET NO. 50-295
UNIT NAME ZION UNIT 1
DATE 85 07 09
COMPLETED BY Gerri Austin
TELEPHONE (312) 746-2084 x 346

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
3	85 01 30	S	424.8	C	4	NA	NA	NA	Cycle VIII Refueling Outage
4	85 06 26	F	38.8	A	5	NA	NA	NA	Reactor Coolant leakage exceeded the Tech. Spec. Limit.
5	85 06 27	F	.5	A	2	NA	NA	NA	Taken off line to repair the 1C feed regulator valve.
6	85 06 27	F	32.2	A	2	NA	NA	NA	Manual reactor trip due to inability to move control rods caused by a rod urgent alarm failure.
7	85 06 29	F	20.2	A	3	NA	NA	NA	Bistables were tripped on the steam flow/feed flow mismatch and level dropped below 25%

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-Auto Scram
4-Continued
5-Reduced Load
9-Other

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

5
Exhibit I - Same Source

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-304
DATE 850709
COMPLETED BY G Austin
TELEPHONE (312)746 2084

OPERATING STATUS

1. Unit Name: Zion Unit two
2. Reporting Period: 0000 85 06 01 TO 2400 85 06 30
3. Licensed Thermal Power (MWt): 3250
4. Nameplate Rating (Gross MWe): 1085
5. Design Electrical Rating (Net MWe): 1040
6. Maximum Dependable Capacity (Gross MWe): 1085
7. Maximum Dependable Capacity (Net MWe): 1040

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
NA

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.0	4343.0	94,512.0
12. Number Of Hours Reactor Was Critical	720.0	4324.2	69,833.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	226.1
14. Hours Generator On-Line	720.0	4316.3	68,821.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,147,993	13,510,634	197,610,978
17. Gross Electrical Energy Generated (MWH)	705,126	4,411,433	63,372,193
18. Net Electrical Energy Generated (MWH)	672,420	4,239,518	59,802,774
19. Unit Service Factor	100.0	99.4	72.8
20. Unit Availability Factor	100.0	99.4	72.8
21. Unit Capacity Factor (Using MDC Net)	89.8	93.9	60.8
22. Unit Capacity Factor (Using DER Net)	89.8	93.9	60.8
23. Unit Forced Outage Rate	0.0	0.4	16.2

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
September 6 1985 is the scheduled date for the next refueling Outage

25. If Shut Down At End Of Report Period, Estimated Date of Startup: NA
26. Units In Test Status (Prior to Commercial Operation):

	Forecast		Achieved
INITIAL CRITICALITY			
INITIAL ELECTRICITY		NA	
COMMERCIAL OPERATION			

(4/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304
UNIT Zion Unit 2
DATE 85 07 09
COMPLETED BY G Austin
TELEPHONE (312)7462084

MONTH June

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	743	17	957
2	936	18	960
3	951	19	965
4	949	20	965
5	945	21	964
6	941	22	963
7	937	23	962
8	943	24	952
9	950	25	939
10	948	26	922
11	948	27	901
12	941	28	883
13	939	29	875
14	951	30	866
15	959	31	
16	961		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June

DOCKET NO. 50-304
UNIT NAME Zion Unit 2
DATE 85 07 09
COMPLETED BY Geeri Austin
TELEPHONE (312)746 2084 x346

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
4	85 06 01	S		H	5	NA	NA	NA	Reduced Load for Reactor Coolant pump oil addition.

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-Auto Scram
4-Continued
5-Reduced Load
9-Other

4
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5
Exhibit I - Same Source

(9/77)

JUNE MAJOR SAFETY RELATED MAINTENANCE

Equipment	Work performed
U-1 Reactor Coolant Loop Stop Valve "A"	Replaced Vale Disc Guide
1A Aux Feedwater Discharge Check Valve	Removed check valve, sent out to repair and reinstalled
1A Diesel Generator	Replaced Governor
U-2 Service Water Room Cooler	Repaired cooler leak and installed flanges

0745t
0325A

JUNE
SUMMARY OF OPERATING EXPERIENCE

Unit 1

The unit entered the report period shutdown for the continuation of the cycle VIII refueling outage. On June 14th at 0825 hours, the unit was made critical and on June 18th at 1647 hours the unit was synchronized to the grid. June 26th at 0515 hours the reactor coolant leakage exceeded the Technical Specification Limit and unit shutdown began. June 27th at 2005 hours unit was taken off line to repair the 1C feed regulator valve, and 2035 hours a manual reactor trip was made due to inability to move control rods caused by a rod urgent alarm failure. June 28th at 0530 hours the unit was made critical and on June 29th at 0441 hours the bistables were tripped on the steam flow/feed flow mismatch and level dropped below 25%. June 29th at 1925 hours the unit was made critical and on June 30th at 0050 hours the unit was synchronized to the grid and remained on line for the remainder of the report period. Average availability for the month of June is 33.7%, capacity factor 18.8%.

Unit 2

The unit entered the report period at a power level of 1006 MWe (92% reactor power). The unit remained on line the entire report period ending at a power level of 908 MWe (84% reactor power). Availability 100% and capacity factor 90.2%.

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REFUELING INFORMATION REQUEST

Questions:

1. Name of facility.

2. Scheduled date for next refueling shutdown.

3. Scheduled date for restart following refueling.

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

   If answer is yes, what, in general, will these be?

   If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Ref. 10 CFR Section 50.59)?

   If no such review has taken place, when is it scheduled?

5. Scheduled date (s) for submitting proposed licensing action and supporting information.

6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool.

8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies.

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity.

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0325A

Unit 1 - Answers

1. Zion Unit 1

2. June 26, 1986, currently is the scheduled date for the next refueling outage.

3. October 30, 1986 is the scheduled month for initial criticality following refueling.

4. No Technical Specification changes or license amendments are anticipated.

5. Not applicable.

6. None

7. The number of fuel assemblies

   a) in the core is 193, and
   b) in the spent fuel storage pool which have been discharged by Zion Unit 1 is 497.

8. The present licensed spent fuel pool storage capacity (shared with Zion Unit 2) is 2112 fuel assemblies. The installation of the new storage racks has been completed.

9. In 1995, Zion Station will lose full core discharge capability. This date is based on a December, 1983 study.

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Unit 2 - Answers

1. Zion Unit 2

2. The Unit is currently scheduled to shutdown September 6, 1985 for its next refueling outage.

3. January 10, 1986 is the scheduled date for startup after refueling.

4. At this time the only outstanding Technical Specification change is a change to the containment leakage rate test requirements.

5. The containment leakage rate test Technical Specification change has already been submitted.

6. None.

7. The number of fuel assemblies

   a) in the core is 193, and
   b) in the spent fuel storage pool which have been discharged by Zion Unit 2 is 435.

8. The present licensed spent fuel pool storage capacity (shared with Zion Unit 1) is 2112 fuel assemblies. The installation of the new storage racks has been completed.

9. In 1995, Zion Station will lose full core discharge capability. This date is based on a December, 1983 study.

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0325A

Commonwealth Edison
101 Shiloh Blvd.
Zion, Illinois 60099

July 9, 1985

Director, Office of Inspection
and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

Dear Sir:

Enclosed please find the Operating Status Report for the month of June, 1985 for Zion Generating Station.

Very truly yours,

K. L. Graesser

K. L. Graesser
Station Manager
Zion Station

GLA/ss

Enclosure (11)

cc: D. P. Galle
J. G. Keppler (NRC)
L. D. Butterfield
H. E. Bliss
INPO
R. Johnson

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