

OPERATING DATA REPORT

DOCKET NO. 50-295
 DATE 12-5-85
 COMPLETED BY G. Austin
 TELEPHONE 3127462084

OPERATING STATUS

1. Unit Name: Zion Unit one
2. Reporting Period: 0000 851101 TO 2400 851130
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
NA

Notes

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	<u>720.0</u>	<u>8016.0</u>	<u>104,472.0</u>
12. Number Of Hours Reactor Was Critical	<u>720.0</u>	<u>4606.7</u>	<u>73,002.4</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>2,621.8</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>4466.7</u>	<u>70,965.5</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,166,590</u>	<u>13,528,455</u>	<u>201,642,633</u>
17. Gross Electrical Energy Generated (MWH)	<u>709,494</u>	<u>4,416,392</u>	<u>65,088,186</u>
18. Net Electrical Energy Generated (MWH)	<u>683,269</u>	<u>4,208,144</u>	<u>63,743,723</u>
19. Unit Service Factor	<u>100.0</u>	<u>55.7</u>	<u>67.9</u>
20. Unit Availability Factor	<u>100.0</u>	<u>55.7</u>	<u>67.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>91.2</u>	<u>50.5</u>	<u>58.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>91.2</u>	<u>50.5</u>	<u>58.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>4.7</u>	<u>14.1</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>NA</u>			

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
 COMMERCIAL OPERATION

 _____ NA _____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295
 UNIT ZION U-1
 DATE 12-5-85
 COMPLETED BY Gerri Austin
 TELEPHONE (312)746-2084

MONTH November

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1023</u>
2	<u>1023</u>
3	<u>1024</u>
4	<u>1026</u>
5	<u>1025</u>
6	<u>1026</u>
7	<u>1026</u>
8	<u>1026</u>
9	<u>1027</u>
10	<u>1028</u>
11	<u>1027</u>
12	<u>1026</u>
13	<u>1027</u>
14	<u>1026</u>
15	<u>1028</u>
16	<u>1027</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1028</u>
18	<u>1029</u>
19	<u>1026</u>
20	<u>833</u>
21	<u>780</u>
22	<u>833</u>
23	<u>834</u>
24	<u>835</u>
25	<u>836</u>
26	<u>817</u>
27	<u>801</u>
28	<u>806</u>
29	<u>806</u>
30	<u>789</u>
31	<u> </u>

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH

November

DOCKET NO.

50-295

UNIT NAME

Zion Unit 1

DATE

12/5/85

COMPLETED BY

Gerri Austin

TELEPHONE

(312) 746-2084

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
									There were no outages or power reductions

¹
F: Forced
S: Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance of 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

OPERATING DATA REPORT

DOCKET NO. 50-304
 DATE 12-5-85
 COMPLETED BY G Austin
 TELEPHONE 312 746 2084

OPERATING STATUS

1. Unit Name: Zion Unit two
2. Reporting Period: 2000 85 11 01 TO 2400 85 11 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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
NA

Notes

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	<u>720.0</u>	<u>8016.0</u>	<u>98,185.0</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</u>	<u>5909.2</u>	<u>71,418.5</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>226.1</u>
14. Hours Generator On-Line	<u>0.0</u>	<u>5901.3</u>	<u>69,606.7</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>16,572.161</u>	<u>200,672,505</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>5,358,835</u>	<u>64,319,595</u>
18. Net Electrical Energy Generated (MWH)	<u>-4125</u>	<u>5,120,297</u>	<u>60,083,553</u>
19. Unit Service Factor	<u>0.0</u>	<u>73.6</u>	<u>70.9</u>
20. Unit Availability Factor	<u>0.0</u>	<u>73.6</u>	<u>70.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>-0.5</u>	<u>61.4</u>	<u>59.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>-0.5</u>	<u>61.4</u>	<u>59.4</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.3</u>	<u>15.9</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>NA</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: January 10, 1986
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

NA

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304
 UNIT Zion Unit 2
 DATE 12-5-85
 COMPLETED BY Geri Austin
 TELEPHONE (312)7462084

MONTH November

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-7
2	-7
3	-7
4	-8
5	-7
6	-7
7	-7
8	-7
9	-7
10	-6
11	-5
12	-5
13	-5
14	-5
15	-5
16	-5

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	-5
18	-5
19	-5
20	-5
21	-7
22	-6
23	-6
24	-6
25	-6
26	-4
27	-4
28	-4
29	-4
30	-4
31	

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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH

November

DOCKET NO.

50-304

UNIT NAME

210N Unit 2

DATE

12/5/85

COMPLETED BY

GERRI Austin

TELEPHONE

(312) 746 2084

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
6	850905	S	720	C	2	NA	NA	NA	Cycle VIII - IX Refueling Outage.

¹
F: Forced
S: Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance of 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 C - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
Exhibit I - Same Source

November Major Safety Related Maintenance

<u>Equipment</u>	<u>Work Performed</u>
1MOV-SI8804A,	Replace unacceptable wires on torque switches to conform to environmental qualifications.
1MOV-SI9010A,	
1MOV-SI8806,	
1MOV-CS0049,	
1MOV-VC112E,	
1MOV-VC112D,	
VC T Outlet Isolation Valve,	
Safety Injection Pump Header Disc.,	
RHR Suction Valve,	
Reactor Coolant Pump Seal Valve Return Valve,	
RHR 1B Heat Exchanger to Reactor Coolant Loop A4D Isolation Valve.	
1MOV-CS0004	Replace torque switch wire, term lug on wire to term 11C, and replace MOV Compt heater-25W resistor.
1C Main Steam Isolation	Adjusted and tightened packing on packing gland.
1B Diesel Generator	Replaced fittings.

NOVEMBER
SUMMARY OF OPERATING EXPERIENCE

UNIT 1

The unit entered the reporting period at a power level of 1050 MWe (99% reactor power). The unit remained on line the entire report period ending at a power level of 819 MWe (79% reactor power. Availability 100% and capacity factor 90.8%.

Unit 2

The unit entered the report period shutdown for the continuation of Cycle VIII-IX refueling outage. The unit remained shutdown for the entire report period.

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.

Unit 1 - Answers

1. Zion Unit 1
2. June 26, 1986, is the scheduled date for the next refueling outage.
3. October 23, 1986 is the scheduled date for initial criticality following refueling.
4. A reload safety evaluation review will take place March 31, 1986 and may identify any unreviewed safety questions. The receipt of new fuel for the next Unit 1 refueling will require a Technical Specification change to allow on-site storage of fuel enriched up to 3.7 w/o U-235.
5. Changes have 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 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.

Unit 2 - Answers

1. Zion Unit 2
2. The Unit shutdown on September 6, 1985 for the current refueling outage.
3. January 10, 1986 is the scheduled date for initial criticality after refueling.
4. The January, 1986 startup will require two Technical Specifications to be approved; they are for RCFC damper removal and the reactor vessel specimen capsule withdrawal schedule.
5. Changes have 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 511.
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.



Commonwealth Edison

101 Shiloh Blvd.
Zion, Illinois 60099

December 5, 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
November, 1985 for Zion Generating Station.

Very truly yours,

G. D. Plimi
Station Manager
Zion Station

GLA/ss

Enclosure (11)

cc: D. P. Gaile
J. G. Keppler (NRC)
L. D. Butterfield
H. E. Bliss
INPO
R. Johnson
Division of Env. Health
State of Illinois
Tech Staff File

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