

# OPERATING DATA REPORT

DOCKET NO. 50-295  
 DATE 7-10-85  
 COMPLETED BY G. AUSTIN  
 TELEPHONE 312 746 2084

## OPERATING STATUS

1. Unit Name: Zion Unit One
2. Reporting Period: 85 08 01 0000 TO 85 08 31 2400
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>744.0</u>	<u>5831.0</u>	<u>102,287.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>2421.7</u>	<u>70,817.4</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>744.0</u>	<u>2281.7</u>	<u>68,780.5</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>2,338,317</u>	<u>6,641,045</u>	<u>194,755,223</u>
17. Gross Electrical Energy Generated (MWH)	<u>762,306</u>	<u>2,156,640</u>	<u>62,828,434</u>
18. Net Electrical Energy Generated (MWH)	<u>732,733</u>	<u>2,031,548</u>	<u>61,567,127</u>
19. Unit Service Factor	<u>100.0</u>	<u>37.1</u>	<u>67.2</u>
20. Unit Availability Factor	<u>100.0</u>	<u>37.1</u>	<u>67.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>94.7</u>	<u>33.5</u>	<u>57.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.7</u>	<u>33.5</u>	<u>57.9</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>8.8</u>	<u>14.5</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 \_\_\_\_\_  
 \_\_\_\_\_

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 (11)

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295  
 UNIT Zion 21-1  
 DATE 09-09-85  
 COMPLETED BY G Austin  
 TELEPHONE 312 746 2084

MONTH AUGUST

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1008</u>	17	<u>1017</u>
2	<u>1007</u>	18	<u>1022</u>
3	<u>1004</u>	19	<u>1020</u>
4	<u>780</u>	20	<u>1010</u>
5	<u>1010</u>	21	<u>885</u>
6	<u>1015</u>	22	<u>1012</u>
7	<u>1016</u>	23	<u>1013</u>
8	<u>1013</u>	24	<u>1019</u>
9	<u>1012</u>	25	<u>1015</u>
10	<u>1015</u>	26	<u>1011</u>
11	<u>1015</u>	27	<u>1007</u>
12	<u>1013</u>	28	<u>577</u>
13	<u>1020</u>	29	<u>899</u>
14	<u>1021</u>	30	<u>1015</u>
15	<u>1022</u>	31	<u>1015</u>
16	<u>1019</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 AUGUST

DOCKET NO. 50-295  
 UNIT NAME ZION UNIT ONE  
 DATE 9-9-85  
 COMPLETED BY G Austin  
 TELEPHONE 312-746-2084

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
8	85 08 04	F		H	S	NA	NA	NA	Reduced Load for Condensate pump strainer cleaning.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method  
 1-Manual  
 2-Manual Scram  
 3-Auto Scram  
 4-Continued  
 5-Reduced Load  
 9-Other

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

<sup>5</sup>  
 Exhibit I - Same Source

# OPERATING DATA REPORT

DOCKET NO. 50-304  
 DATE 9-10-85  
 COMPLETED BY G. AUSTIN  
 TELEPHONE 312 746 2084

## OPERATING STATUS

1. Unit Name: Zion Unit Two
2. Reporting Period: 850801 0000 TO 850831 2400
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:

Notes

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	<u>744.0</u>	<u>5831.0</u>	<u>96,000.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>5812.2</u>	<u>71,321.3</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>226.1</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>5804.3</u>	<u>69,509.7</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>1,218,607</u>	<u>16,440,802</u>	<u>200,541,146</u>
17. Gross Electrical Energy Generated (MWH)	<u>366,094</u>	<u>5,320,995</u>	<u>64,281,755</u>
18. Net Electrical Energy Generated (MWH)	<u>341,784</u>	<u>5,101,590</u>	<u>60,664,846</u>
19. Unit Service Factor	<u>100.0</u>	<u>99.5</u>	<u>72.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>99.5</u>	<u>72.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>54.2</u>	<u>84.1</u>	<u>60.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>44.2</u>	<u>84.1</u>	<u>60.8</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):

The unit shutdown on September 6, 1985 for the current refueling outage.

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):

Forecast

Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

\_\_\_\_\_  
 \_\_\_\_\_ NA \_\_\_\_\_  
 \_\_\_\_\_

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304  
 UNIT 210A-11.2  
 DATE 09-09-85  
 COMPLETED BY G Austin  
 TELEPHONE 312-746-2084

MONTH August

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>493</u>
2	<u>507</u>
3	<u>516</u>
4	<u>515</u>
5	<u>521</u>
6	<u>523</u>
7	<u>521</u>
8	<u>513</u>
9	<u>512</u>
10	<u>502</u>
11	<u>496</u>
12	<u>491</u>
13	<u>496</u>
14	<u>489</u>
15	<u>468</u>
16	<u>453</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>448</u>
18	<u>450</u>
19	<u>451</u>
20	<u>441</u>
21	<u>423</u>
22	<u>426</u>
23	<u>419</u>
24	<u>422</u>
25	<u>416</u>
26	<u>400</u>
27	<u>388</u>
28	<u>385</u>
29	<u>389</u>
30	<u>392</u>
31	<u>375</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 August

DOCKET NO. 50-304  
 UNIT NAME ZION Unit Two  
 DATE 9-9-85  
 COMPLETED BY G Austin  
 TELEPHONE 312-746-2084

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
<u>5</u>	<u>85 08 21</u>	<u>F</u>		<u>H</u>	<u>5</u>	<u>NA</u>	<u>NA</u>	<u>NA</u>	<u>Reduced Load for oil addition.</u>

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method  
 1-Manual  
 2-Manual Scram  
 3-Auto Scram  
 4-Continued  
 5-Reduced Load  
 9-Other

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

<sup>5</sup>  
 Exhibit I - Same Source

AUGUST MAJOR SAFETY RELATED MAINTENANCE

Equipment

0 Diesel Generator  
Tie breaker to bus 147

Work performed

Overhauled Breaker



AUGUST  
SUMMARY OF OPERATING EXPERIENCE

UNIT 1

The unit entered the reporting period at a power level of 1041 MWe (99% reactor power). The unit remained on line the entire report period ending at a power level of 1043 MWe (98% reactor power). Availability 100% and capacity factor 94.4%.

Unit 2

The unit entered the report period at a power level of 524 MWe (54% reactor power). The unit remained on line the entire report period ending at a power level of 405 MWe (43% reactor power). Availability 100% and capacity factor 45.4%.



## 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. No, a reload safety evaluation review will take place March 31, 1986 and may identify any unreviewed safety questions.
5. None
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 startup 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 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.



Commonwealth Edison

101 Shiloh Blvd.  
Zion, Illinois 60099

September 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  
August, 1985 for Zion Generating Station.

Very truly yours,

G. J. Pliml  
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  
Division of Env. Health  
State of Illinois  
Tech Staff File

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0325A

IE24  
1/1