

OPERATING DATA REPORT

DOCKET NO. 50-295
 DATE 6-6-80
 COMPLETED BY J.M. Cook
 TELEPHONE 312-746-2084
Ext. 363

OPERATING STATUS

1. Unit Name: Zion Unit 1
 2. Reporting Period: 0000 800501 + 0 2400 800531
 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:
N/A

Notes

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

	This Month	Yr.-to-Date	since Commercial operation 12-31-73 Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>3,647</u>	<u>56,255</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>2,523.7</u>	<u>39,631.4</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>2,621.8</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>2,431.9</u>	<u>38,519.2</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,405,455</u>	<u>7,421,570</u>	<u>106,804,571</u>
17. Gross Electrical Energy Generated (MWH)	<u>747,045</u>	<u>2,317,715</u>	<u>34,549,765</u>
18. Net Electrical Energy Generated (MWH)	<u>716,174</u>	<u>2,193,096</u>	<u>32,677,342</u>
19. Unit Service Factor	<u>100.0</u>	<u>66.7</u>	<u>68.5</u>
20. Unit Availability Factor	<u>100.0</u>	<u>66.7</u>	<u>68.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>92.6</u>	<u>57.8</u>	<u>55.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>92.6</u>	<u>57.8</u>	<u>55.9</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>33.3</u>	<u>14.8</u>

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

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

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	<u>N/A</u>	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295

UNIT Zion Unit 1

DATE 6-6-80

COMPLETED BY J.M. Cook

TELEPHONE 312-746-2084
Ext. 363

MONTH MAY 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	968
2	974
3	960
4	970
5	966
6	951
7	962
8	956
9	881
10	938
11	953
12	973
13	953
14	970
15	971
16	973

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	984
18	963
19	967
20	975
21	967
22	962
23	966
24	967
25	969
26	969
27	971
28	969
29	969
30	963
31	963

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 MAY 1980

DOCKET NO. 50-295
 UNIT NAME ZION Unit 1
 DATE 6-6-80
 COMPLETED BY J. M. COOK
 TELEPHONE 312-746-2084
 Ext. 363

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
9	800509	F	0	A	-	N/A	N/A	N/A	Power reduced for feed pump problems

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-Automatic Scram.
 4-Other (Explain)

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 6-6-80
 COMPLETED BY J.M. COOK
 TELEPHONE 312-746-2084
 Ext. 363

OPERATING STATUS

1. Unit Name: Zion Unit 2
2. Reporting Period: 0000 800501 to 2400 800531
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:
N/A

9. Power Level To Which Restricted, If Any (Net MWe): N/A

10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Since commercial operation 9-14-74 Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>3,647</u>	<u>49,968</u>
12. Number Of Hours Reactor Was Critical	<u>28.2</u>	<u>2,439.0</u>	<u>36,042.7</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>226.1</u>
14. Hours Generator On-Line	<u>27.8</u>	<u>2,409.1</u>	<u>35,222.9</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>67,827</u>	<u>7,382,048</u>	<u>100,017,366</u>
17. Gross Electrical Energy Generated (MWH)	<u>22,240</u>	<u>2,417,965</u>	<u>32,139,185</u>
18. Net Electrical Energy Generated (MWH)	<u>16,266</u>	<u>2,296,176</u>	<u>30,497,634</u>
19. Unit Service Factor	<u>3.7</u>	<u>66.1</u>	<u>70.5</u>
20. Unit Availability Factor	<u>3.7</u>	<u>66.1</u>	<u>70.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>2.1</u>	<u>60.5</u>	<u>58.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>2.1</u>	<u>60.5</u>	<u>58.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>17.8</u>	<u>17.6</u>

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

Refueling started MAY 2, 1980
for APPROXIMATELY eight weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: June 27, 1980

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast _____
 Achieved _____
N/A _____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304

UNIT Zion Unit 2

DATE 6-6-80

COMPLETED BY J. M. COOK

TELEPHONE 312-746-2084
EXT. 363

MONTH MAY 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>845</u>
2	<u>14</u>
3	<u>-26</u>
4	<u>-22</u>
5	<u>-17</u>
6	<u>-9</u>
7	<u>-4</u>
8	<u>-4</u>
9	<u>-5</u>
10	<u>-5</u>
11	<u>-5</u>
12	<u>-5</u>
13	<u>-4</u>
14	<u>-5</u>
15	<u>-4</u>
16	<u>-5</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>-4</u>
18	<u>-4</u>
19	<u>-4</u>
20	<u>-4</u>
21	<u>-4</u>
22	<u>-4</u>
23	<u>-4</u>
24	<u>-4</u>
25	<u>-4</u>
26	<u>-4</u>
27	<u>-4</u>
28	<u>-4</u>
29	<u>-4</u>
30	<u>-4</u>
31	<u>-4</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 MAY 1980

DOCKET NO. 50-304
 UNIT NAME 2100 UNIT 2
 DATE 6-6-80
 COMPLETED BY J.M. COOK
 TELEPHONE 312-746-2084
 Ext. 363

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
12	800502	S	716.2	C	1	N/A	N/A	N/A	Start of Refueling Outage

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-Automatic Scram.
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SUMMARY OF OPERATING EXPERIENCE

UNIT 1

The unit entered the reporting period at a power level of 1020 MWe (100% reactor power). On May 9 it was necessary to reduce power due to feedpump problems. Power was returned to normal on May 10. The unit was on-line for the duration of the month having an Availability Factor of 100% and a Capacity Factor of 92.5%. The unit ended the reporting period at a power level of 1016 MWe (100% reactor power).

UNIT 2

The unit entered the reporting period at a power level of 890 MWe (83% reactor power). On May 2 at 0347 hours the unit was taken off-line and at 0411 hours the reactor was shut down for the scheduled routine Cycle 4/5 refueling outage. The unit ended the month in cold shutdown.

MAY MAJOR SAFETY RELATED MAINTENANCE

Equipment Name

Work Done

1A Auxiliary Feedwater Pump

Replaced 1PS-FWWA2 and recalibrated 1PS-FWWA1.

Instrument Inverter 214

Replaced 20 amp A.C. circuit breaker and 2 SCR rectifiers that malfunctioned. Also installed modified circuit board.

Unit 2 - Answers

1. Zion Unit 2
2. May 2, 1980 was the start of the current refueling outage.
3. June 27, 1980 is the scheduled date for initial criticality following refueling.
4. No Technical Specification changes or other license amendments are anticipated. The reload fuel design and core configuration for Cycle V has undergone on-site review. The off-site review has been completed. No Technical Specification changes or license amendments are necessary.
5. If unreviewed safety questions arise from the review in 4 above, then January 10, 1980 would have been the scheduled date for submitting a Reload Safety Evaluation Report on Zion Unit 2 cycle 5.
6. No important licensing considerations are anticipated with this refueling.
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 260.
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 is scheduled to begin within the next two months.
9. October, 1992 is the projected date of the last Zion Unit 2 refueling, which can be discharged to the spent fuel pool assuming the present licensed capacity.

Unit 2 - Answers

1. Zion Unit 2
2. May 2, 1980 was the start of the current refueling outage.
3. June 27, 1980 is the scheduled date for initial criticality following refueling.
4. No Technical Specification changes or other license amendments are anticipated. The reload fuel design and core configuration for Cycle V has undergone on-site review. The off-site review has been completed. No Technical Specification changes or license amendments are necessary.
5. If unreviewed safety questions arise from the review in 4 above, then January 10, 1980 would have been the scheduled date for submitting a Reload Safety Evaluation Report on Zion Unit 2 cycle 5.
6. No important licensing considerations are anticipated with this refueling.
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 260.
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 is scheduled to begin within the next two months.
9. October, 1992 is the projected date of the last Zion Unit 2 refueling, which can be discharged to the spent fuel pool assuming the present licensed capacity.

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.