

OPERATING DATA REPORT

DOCKET NO. 50-295
 DATE 9-10-82
 COMPLETED BY J.M. COOK
 TELEPHONE 312-746-2084
 EXT. 363

OPERATING STATUS

1. Unit Name: ZION Unit 1
2. Reporting Period: 0000 820801 to 2400 820831
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

N/A

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

SINCE COMMERCIAL
OPERATION 12-31-73
Cumulative

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>5,831</u>	<u>75,983</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>2,490.9</u>	<u>53,447.5</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>2,421.8</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>2,364.7</u>	<u>51,915.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,406,612</u>	<u>7,323,491</u>	<u>148,689,144</u>
17. Gross Electrical Energy Generated (MWH)	<u>784,577</u>	<u>2,387,765</u>	<u>47,913,565</u>
18. Net Electrical Energy Generated (MWH)	<u>754,296</u>	<u>2,251,803</u>	<u>45,443,544</u>
19. Unit Service Factor	<u>100.0</u>	<u>40.6</u>	<u>68.3</u>
20. Unit Availability Factor	<u>100.0</u>	<u>40.6</u>	<u>68.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.5</u>	<u>37.1</u>	<u>57.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.5</u>	<u>37.1</u>	<u>57.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>40.1</u>	<u>14.6</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

	Forecast	Achieved
<u>N/A</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295

UNIT Zion Unit 1

DATE 9-10-82

COMPLETED BY J.M. COOK

TELEPHONE 312-746-2084
EXT. 363

MONTH AUGUST 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1020</u>	17	<u>1006</u>
2	<u>1016</u>	18	<u>1005</u>
3	<u>1019</u>	19	<u>1016</u>
4	<u>1020</u>	20	<u>1020</u>
5	<u>1014</u>	21	<u>1009</u>
6	<u>1011</u>	22	<u>1020</u>
7	<u>1009</u>	23	<u>1024</u>
8	<u>1007</u>	24	<u>1021</u>
9	<u>1011</u>	25	<u>1022</u>
10	<u>1011</u>	26	<u>1022</u>
11	<u>983</u>	27	<u>1021</u>
12	<u>1012</u>	28	<u>1019</u>
13	<u>1015</u>	29	<u>1016</u>
14	<u>1006</u>	30	<u>1016</u>
15	<u>1012</u>	31	<u>1015</u>
16	<u>1011</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 1982

DOCKET NO. 50-295
 UNIT NAME B10W Unit 1
 DATE 9-10-82
 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
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO Reactor shutdowns or power reductions occurred.

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-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 9-10-82
 COMPLETED BY J.M. COOK
 TELEPHONE 312-746-2084
EXT. 363

OPERATING STATUS

1. Unit Name: 210A Unit 2
2. Reporting Period: 0000 820801 to 2400 820831
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 9-17-74 Cumulative
11. Hours In Reporting Period	744	5,831	69,696
12. Number Of Hours Reactor Was Critical	739.8	4,421.3	50,762.4
13. Reactor Reserve Shutdown Hours	0	0	226.1
14. Hours Generator On-Line	730.2	4,269.3	49,309.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,323,409	11,454,322	139,284,474
17. Gross Electrical Energy Generated (MWH)	746,010	3,677,661	44,475,421
18. Net Electrical Energy Generated (MWH)	716,577	3,473,972	42,210,889
19. Unit Service Factor	98.1	73.2	70.7
20. Unit Availability Factor	98.1	73.2	70.7
21. Unit Capacity Factor (Using MDC Net)	92.6	57.3	58.2
22. Unit Capacity Factor (Using DER Net)	92.6	57.3	58.2
23. Unit Forced Outage Rate	1.9	26.8	17.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling scheduled for January 16, 1983 for approximately seven weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

N/A

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304
 UNIT ZION Unit 2
 DATE 9-10-82
 COMPLETED BY J.M. COOK
 TELEPHONE 312-746-2084
 EXT. 363

MONTH August 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1005</u>	17	<u>986</u>
2	<u>364</u>	18	<u>984</u>
3	<u>763</u>	19	<u>1005</u>
4	<u>1017</u>	20	<u>1009</u>
5	<u>1004</u>	21	<u>983</u>
6	<u>996</u>	22	<u>1010</u>
7	<u>994</u>	23	<u>963</u>
8	<u>992</u>	24	<u>1008</u>
9	<u>992</u>	25	<u>1011</u>
10	<u>992</u>	26	<u>968</u>
11	<u>992</u>	27	<u>833</u>
12	<u>993</u>	28	<u>999</u>
13	<u>990</u>	29	<u>1007</u>
14	<u>990</u>	30	<u>1010</u>
15	<u>997</u>	31	<u>1007</u>
16	<u>992</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

DOCKET NO. 50-304
 UNIT NAME 210A Unit 2
 DATE 7-10-82
 COMPLETED BY J.M. COOK
 TELEPHONE 312-746-2084
EXT. 363

REPORT MONTH August 1982

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
13	820802	F	13.8	A	3	N/A	N/A	N/A	Reactor trip from 2C feedwater pump control problems.

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-Other (Explain)

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SUMMARY OF OPERATING EXPERIENCE

UNIT 1

The Unit entered the reporting period at a power level of 1064 MWe (99.4% reactor power). The Unit remained on-line the entire month having an Availability Factor of 100% and a Capacity Factor of 97.2%. The Unit ended the month on-line at a power level of 1064 MWe (100% reactor power).

UNIT 2

The Unit entered the reporting period at a power level of 1031 MWe (99.3% reactor power). On August 2nd at 0845 hours a reactor trip occurred from 2C feedwater pump control problems. At 1255 hours the reactor was made critical and at 2232 hours was synchronized to the grid. The Unit remained on-line the remainder of the month having an Availability Factor of 98.1% and a Capacity Factor of 92.4%.

AUGUST MAJOR SAFETY RELATED MAINTENANCE

<u>Equipment Name</u>	<u>Work Done</u>
OC Component Cooling Pump	Install new seal, bearing and repair seal water line
Unit 1 Solenoid Valve	Cleaned solenoid valve
2D Main Steam Isolation Valve	Limit switch cleared of water
Unit 2 Flow Control Valve	Mechanical problem - staked threads at diaphragm to prevent twisting
Pressurizer Level Channel 460	Replaced range potentiometer and calibrated transmitter
Pressurizer Level Channel 461	Calibrated transmitter

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. September 4, 1983 is the scheduled start date for the next refueling outage.
3. December 14, 1983 is the scheduled date of initial criticality following refueling.
4. The transition to the use of optimized fuel is currently planned to start in Cycle VIII. Some Technical Specification changes and license amendments will be required.
5. Submittal of transition related changes is currently scheduled for completion by April, 1983. Cycle specific changes, if required, are scheduled for completion by July, 1983.
6. See 4 and 5.
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 364.
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. October, 1992, is the projected date of the last Zion Unit 1 refueling, which can be discharged to the spent fuel pool assuming the present licensed capacity.

Unit 2 - Answers

1. Zion Unit 2
2. January 16, 1983, is the scheduled date for the next refueling outage.
3. March 6, 1983, is the scheduled date for initial criticality following refueling.
4. The reload fuel design and core configuration has not undergone On-Site and Off-Site Review. However, no Technical Specification changes or license amendments are anticipated. The On-Site and Off-Site Review of the Cycle VII fuel design and core configuration is currently scheduled for completion by November 11, 1982.
5. No Technical Specification changes or license amendments were identified.
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 316.
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. 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.