OPERATING DATA REPORT

DOCKET NO. 50-295
DATE 7-7-80
COMPLETED BY J.M. Cook
TELEPHONE 312-746-2084 Ext. 363

OPERATING STATUS

1. Unit Name: Zion Unit 1
2. Reporting Period: 0000 800601 to 2400 800630
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 12-31-73 Cumulative
11. Hours In Reporting Period	720	4,367	56,975
12. Number Of Hours Reactor Was Critical	654.6	3,178.3	40,286.0
13. Reactor Reserve Shutdown Hours	0	0	2,621.8
14. Hours Generator On-Line	644.7	3,076.6	39,163.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,029,690	9,451,260	108,834,261
17. Gross Electrical Energy Generated (MWH)	627,220	2,944,935	35,176,985
18. Net Electrical Energy Generated (MWH)	598,250	2,791,346	33,275,592
19. Unit Service Factor	89.5	70.5	68.7
20. Unit Availability Factor	89.5	70.5	68.7
21. Unit Capacity Factor (Using MDC Net)	79.9	61.5	56.2
22. Unit Capacity Factor (Using DER Net)	79.9	61.5	56.2
23. Unit Forced Outage Rate	10.5	29.5	14.7

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):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY	N/A	
COMMERCIAL OPERATION		

(9/77)

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295
UNIT Zion Unit 1
DATE 7-7-80
COMPLETED BY J.M. Cook
TELEPHONE 312-746-2084 Ext. 363

MONTH June 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	957	17	953
2	130	18	948
3	-32	19	949
4	289	20	950
5	882	21	951
6	954	22	954
7	958	23	950
8	958	24	966
9	967	25	940
10	956	26	962
11	973	27	962
12	960	28	945
13	963	29	529
14	971	30	141
15	966	31	—
16	974		

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 1980

DOCKET NO. 50-295
UNIT NAME Zion Unit 1
DATE 7-7-80
COMPLETED BY J.M. Cook
TELEPHONE 312-246-2084 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
10	800601	F	0	A	-	N/A	N/A	N/A	LOAD reduced for heat trace inoperability.
11	800602	F	.1	A		N/A	N/A	N/A	Turbine off-line due to S/G snubber inoperability.
12	800602	F	3.0	A	3	N/A	N/A	N/A	Reactor trip due to instrument malfunction.
13	800602	F	49.8	A	4	N/A	N/A	N/A	Turbine off-line due to S/G snubber inoperability following reactor trip.
14	800629	F	0	A	-	N/A	N/A	N/A	LOAD reduced for the purpose of locating leak in the containment.
15	800629	F	22.4	A	1	N/A	N/A	N/A	Unit taken off-line to repair component cooling leak on Reactor Coolant Pump 1B.

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

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-304
DATE 7-7-80
COMPLETED BY J.M. Cook
TELEPHONE 312-746-2084 Ext. 303

OPERATING STATUS

1. Unit Name: Zion Unit 2
2. Reporting Period: 0000 800601 to 2400 800630
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	720	4,367	50,688
12. Number Of Hours Reactor Was Critical	0	2,439.0	36,042.7
13. Reactor Reserve Shutdown Hours	0	0	226.1
14. Hours Generator On-Line	0	2,409.1	35,222.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	7,382,048	100,017,366
17. Gross Electrical Energy Generated (MWH)	0	2,417,965	32,139,185
18. Net Electrical Energy Generated (MWH)	0	2,296,176	30,497,634
19. Unit Service Factor	0	55.2	69.5
20. Unit Availability Factor	0	55.2	69.5
21. Unit Capacity Factor (Using MDC Net)	0	50.6	57.9
22. Unit Capacity Factor (Using DER Net)	0	50.6	57.9
23. Unit Forced Outage Rate	0	17.8	17.6

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: July 11, 1980
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY	N/A	
COMMERCIAL OPERATION		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304
UNIT Zion Unit 2
DATE 7-7-80
COMPLETED BY J.M. Cook
TELEPHONE 312-746-2084
Ext. 363

MONTH June 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-4	17	-3
2	-4	18	-3
3	-4	19	-3
4	-4	20	-3
5	-3	21	-3
6	-3	22	-3
7	-4	23	-3
8	-3	24	-3
9	-3	25	-3
10	-3	26	-3
11	-4	27	-4
12	-3	28	-4
13	-4	29	-4
14	-3	30	-4
15	-3	31	—
16	-4		

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 1980

DOCKET NO. 50-304
UNIT NAME Zion Unit 2
DATE 7-7-80
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	800601	S	720.0	C	1	N/A	N/A	N/A	Continuation of May 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-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

(9/77)

SUMMARY OF OPERATING EXPERIENCE

UNIT 1

The unit entered the reporting period at a power level of 1025 MWe (100% reactor power). On June 1 it was necessary to reduce power because of heat trace inoperability. Power was returned to normal after approximately one hour reduction. On June 2, at 0548 hours the turbine was taken off-line for steam generator snubber inoperability and at 0551 hours the reactor tripped due to instrument malfunction. Repairs were made within three hours, however the unit remained shut down due to snubber inoperability. On June 4 at 0515 hours the unit was made critical and at 1040 hours was synchronized to the grid. On June 29 load was reduced for the purpose of locating leaks in the containment. At 1539 hours the unit was taken off-line to repair a component cooling leak on reactor coolant pump 1B. The unit was made critical at 0941 hours on June 30 and was synchronized to the grid at 1405 hours. Overall the unit performed very well having an Availability Factor of 89.5% and a Capacity Factor of 80.3%. The unit ended the month on-line at a power level of 424 MWe (53% reactor power).

UNIT 2

The unit entered the reporting period shut down for the continuation of refueling outage. The unit remained in cold shut down the entire month.

JUNE MAJOR SAFETY RELATED MAINTENANCE

Equipment Name	Work Done
1A AFW Pump (Turbine)	Replaced bearings and seals. Realigned and returned to service.
Unit 1 Lood D Overpower Δ T and Overtemperature ΔT	Replaced capacitor
A, B, C & D Steam Generator Snubber Valve Blocks	Installed rebuilt valve blocks

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. January 1, 1981 is the scheduled date for the next refueling outage.

3. February 18, 1981 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 VI fuel design and core configuration is currently scheduled for completion by November 1, 1980.

5. If the need for Technical Specification changes of other license amendments arise from the review in 4 above, then November 1, 1980 will be the scheduled date for submitting the required information.

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 from Zion Unit 1, is 248.

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 is scheduled to begin within the next two months.

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. May 2, 1980 was the start of the current refueling outage.

3. July 11, 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.