8005130332

OPERATING DATA REPORT

DOCKET NO. 50-295
DATE 5-8-80
COMPLETED BY J.M. Cook
TELEPHONE 312-746-2084 EXT. 363

OPERATING STATUS

1. Unit Name: Zion Unit 1
2. Reporting Period: 0000 800401 to 2400 800430
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

SINLE commercial operation 12-31-73

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	* 719	2,903	55,511
12. Number Of Hours Reactor Was Critical	719.0	1,779.7	38,887.4
13. Reactor Reserve Shutdown Hours	0	0	2,621.8
14. Hours Generator On-Line	719.0	1,687.9	37,775.2
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,301,520	5,016,115	104,399,116
17. Gross Electrical Energy Generated (MWH)	720,150	1,570,670	33,802,720
18. Net Electrical Energy Generated (MWH)	687,240	1,476,922	31,961,168
19. Unit Service Factor	100.0	58.1	68.0
20. Unit Availability Factor	100.0	58.1	68.0
21. Unit Capacity Factor (Using MDC Net)	91.9	48.9	55.4
22. Unit Capacity Factor (Using DER Net)	91.9	48.9	55.4
23. Unit Forced Outage Rate	0	41.9	15.0

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		

* Lost one hour - daylight savings time

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295
UNIT Zion Unit 1
DATE 5-8-80
COMPLETED BY J. M. Cook
TELEPHONE 312-746-2084
EXT. 363

MONTH APRIL 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	973	17	951
2	984	18	968
3	924	19	969
4	977	20	967
5	959	21	969
6	978	22	969
7	917	23	971
8	966	24	965
9	966	25	947
10	962	26	888
11	962	27	923
12	965	28	970
13	968	29	789
14	970	30	965
15	990	31	—
16	962		

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 APRIL 1980

DOCKET NO. 50-295
UNIT NAME Zion Unit 1
DATE 5-8-80
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
8	800426	F	0	A	-	N/A	N/A	N/A	Power reduced for the purpose of reconnecting the level sensors on Bergen-Patterson steam/generator snubber expansion tank

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 5-8-80
COMPLETED BY J.M. Cook
TELEPHONE 312-746-2084 EXT. 363

OPERATING STATUS

1. Unit Name: Zion Unit 2
2. Reporting Period: 0000 800401 to 2400 800430
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	Cumulative (SINCE commercial operation 9-14-74)
11. Hours in Reporting Period	*719	2,903	49,224
12. Number Of Hours Reactor Was Critical	686.2	2,410.8	36,014.5
13. Reactor Reserve Shutdown Hours	0	0	226.1
14. Hours Generator On-Line	673.2	2,381.3	35,195.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,976,715	7,314,221	99,949,539
17. Gross Electrical Energy Generated (MWH)	646,855	2,395,725	32,116,945
18. Net Electrical Energy Generated (MWH)	614,898	2,279,910	30,481,368
19. Unit Service Factor	93.6	82.0	71.5
20. Unit Availability Factor	93.6	82.0	71.5
21. Unit Capacity Factor (Using MDC Net)	82.2	75.5	59.5
22. Unit Capacity Factor (Using DER Net)	82.2	75.5	59.5
23. Unit Forced Outage Rate	6.4	18.0	17.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling started MAY 2, 1980
Approximately eight 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	N/A	
COMMERCIAL OPERATION		

* Last one hour daylight savings time

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304
UNIT Zion Unit 2
DATE 5-8-80
COMPLETED BY J. M. Cook
TELEPHONE 312-746-2084
EXT. 363

MONTH APRIL 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1016	17	996
2	1026	18	1004
3	712	19	986
4	-33	20	807
5	148	21	974
6	676	22	988
7	918	23	967
8	894	24	937
9	427	25	931
10	850	26	914
11	1014	27	887
12	1009	28	885
13	1004	29	841
14	975	30	854
15	1013	31	—
16	1003		

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 APRIL 1980

DOCKET NO. 50-304
UNIT NAME Zion Unit 2
DATE 5-8-80
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
6	800403	F	33.0	H	3	N/A	N/A	N/A	Reactor trip due to lightning.
7	800405	F	3.7	A	3	N/A	N/A	N/A	Reactor trip due to 2A steam/generator lo-lo level.
8	800405	F	9.1	A	3	N/A	N/A	N/A	Reactor trip due to 2A steam/generator lo-lo level.
9	800409	F	0	A	-	N/A	N/A	N/A	Unit ramped down due to 2A - 0 diesel/generator inoperability.
10	800420	F	0	A	-	N/A	N/A	N/A	Unit ramped down to 50% to add oil to 2A RCP; and to do turbine stop valve testing.
11	800428	F	0	A	-	N/A	N/A	N/A	Power reduced to 50% for identifying reactor coolant system leakage.

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)

SUMMARY OF OPERATING EXPERIENCE

UNIT 1

The unit entered the reporting period at a power level of 1030 MWe (100% reactor power). The unit performed very well having an Availability Factor of 100% and a Capacity Factor of 92.2%. On April 26 power was reduced to 55% for the purpose of reconnecting the level sensors on the Bergen-Patterson steam generator snubber expansion tank. Reactor power was returned to 100% on the same day. The unit was on-line the entire month and ended the reporting period on-line at a power level of 1018 MWe (99.5% reactor power).

UNIT 2

The unit entered the reporting period at a power level of 1060 MWe (100% reactor power). On April 3 at 1731 hours lightning hit close to the Station resulting in a reactor trip. The unit was made critical on April 4 at 1920 hours and tripped on April 5 at 0231 hours due to 2A steam generator lo-lo level. The unit was made critical at 0340 hours and tripped again at 0615 hours due to 2A steam generator lo-lo level. The unit was made critical on April 5 at 1205 hours and was synchronized to the grid at 1520 hours. On April 9 it was necessary to reduce power due to problems associated with diesel generators "O" and "A". The unit was started back up to 100% on April 10. On April 20, it was necessary to reduce power to add oil to 2A reactor coolant pump and to do turbine stop valve testing. On April 28 at 2200 hours it was necessary to reduce power to 50% for the purpose of identifying R.C.S. leakage. Power was started back to 100% on April 29. Overall the unit performed very well being 93.6% available with a Capacity Factor of 82.8%. The unit remained on-line for the remainder of the month and ended the month at a power level of 895 MWe (84% reactor power).

APRIL MAJOR SAFETY RELATED MAINTENANCE

Equipment Name	Work Done
1B Charging Pump	Removed old pump and installed new pump
VCT Backpressure Regulator Unit 1	Tightened packing
2C Auxiliary Feedwater Pump Discn. Check Valve	Lapped seat and disc and installed new pins and key stock.
2B Diesel Generator	Replaced fuel injector pump
Hydrogen Purge Fan Exhaust Damper	Installed new diaphragm, cleaned, lubricated, and adjusted
2A Containment Spray Pump Discharge Isolation Valve	Replaced torque switch

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 is the scheduled date for the next refueling shutdown.

3. June 27, 1980 is the scheduled date for initial criticality following refueling. However, the dates for this refueling are subject to change.

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 not been completed. The on-site review stated that 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 188.

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.