OPERATING DATA REPORT

DOCKET NO. 50-295
DATE 01-07-83
COMPLETED BY Gerri Austin
TELEPHONE 312 746 2084

OPERATING STATUS

1. Unit Name: Zion Unit 1
2. Reporting Period: 0000 82 12 01 to 2400 82 12 31
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
9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

Notes

	This Month	Yr.-to-Date	Since Commercial Operation 12-31-73 Cumulative
11. Hours In Reporting Period	744	8760	78,912
12. Number Of Hours Reactor Was Critical	0	4,574.9	55,531.5
13. Reactor Reserve Shutdown Hours	0	0	2,621.8
14. Hours Generator On-Line	744	5,175.2	54,726.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,870,164	15,187,754	156,553,407
17. Gross Electrical Energy Generated (MWH)	606,425	4,946,677	50,472,477
18. Net Electrical Energy Generated (MWH)	575,352	4,695,388	47,887,129
19. Unit Service Factor	100	59.0	69.4
20. Unit Availability Factor	100	59.0	69.4
21. Unit Capacity Factor (Using MDC Net)	74.4	51.5	58.4
22. Unit Capacity Factor (Using DER Net)	74.4	51.5	58.4
23. Unit Forced Outage Rate	0	24.8	14.1

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	N/A	
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

* Net generation by unit is subject to round off error.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295
UNIT Zion Unit 1
DATE 01-07-83
COMPLETED BY Gerri Austin
TELEPHONE 312-746-2084
ext. 346

MONTH December 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	808	17	802
2	799	18	792
3	799	19	780
4	808	20	747
5	806	21	801
6	802	22	801
7	802	23	806
8	802	24	769
9	801	25	448
10	802	26	450
11	809	27	755
12	808	28	794
13	804	29	793
14	802	30	794
15	801	31	789
16	800		

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 December 1982

DOCKET NO. 50-295
UNIT NAME Zion Unit 1
DATE 01-07-83
COMPLETED BY Gerri Austin
TELEPHONE 312 746 2084 x 346

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
11	82 12 24	S	N/A	H	5	N/A	N/A	N/A	System Power Demand required to reduce weekend load.

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 01-07-83
COMPLETED BY Cierri Austin
TELEPHONE 312 746 2084

OPERATING STATUS

1. Unit Name: Zion Unit 2
2. Reporting Period: 0000 82 12 01 to 2400 82 12 31
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
9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

Notes

	This Month	Yr.-to-Date	Since Commercial Operation 9-17-74 Cumulative
11. Hours In Reporting Period	744	8,760	72,625
12. Number Of Hours Reactor Was Critical	699.3	6,342.5	52,683.6
13. Reactor Reserve Shutdown Hours	0	0	226.1
14. Hours Generator On-Line	694.2	6,079.8	51,119.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,191,706	17,071,585	144,896,737
17. Gross Electrical Energy Generated (MWH)	691,333	5,446,398	46,244,158
18. Net Electrical Energy Generated (MWH)	664,507	5,158,063	43,894,980
19. Unit Service Factor	93.3	69.4	70.4
20. Unit Availability Factor	93.3	69.4	70.4
21. Unit Capacity Factor (Using MDC Net)	85.9	56.6	58.1
22. Unit Capacity Factor (Using DER Net)	85.9	56.6	58.1
23. Unit Forced Outage Rate	6.7	30.6	18.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
February 1983 is the Next scheduled refueling Outage

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	N/A	
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

* Net generation by unit is subject to round off error.

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304
UNIT Zion Unit 2
DATE 01-07-83
COMPLETED BY Gerri Austin
TELEPHONE 312-746-2084 ext 346

MONTH December 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	987	17	981
2	114	18	981
3	-19	19	981
4	279	20	982
5	944	21	981
6	988	22	902
7	986	23	849
8	983	24	979
9	985	25	980
10	984	26	985
11	989	27	983
12	992	28	981
13	990	29	984
14	992	30	984
15	989	31	986
16	985		

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 December 1982

DOCKET NO. 50-304
UNIT NAME Zion Unit 2
DATE 01-07-83
COMPLETED BY Gerri Austin
TELEPHONE 312 746 2084 x 346

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
19	12 02 82	F	42.3	H	3	N/A	N/A	N/A	Reactor Trip due to an Electrical disturbance.
20	12 04 82	F	2.4	A	3	N/A	N/A	N/A	Turbine Trip / Reactor Trip due to Feedwater 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)

4
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5
Exhibit I - Same Source

(9/77)

SUMMARY OF OPERATING EXPERIENCE

UNIT 1

The Unit entered the reporting period at a Power Level of 844.8 MWe (80.1% reactor power). On December 24th at 2000 hours System Power demand required to reduce load for the holiday weekend. The Unit remained on-line the entire reporting period ending with a Power Level of 850 MWe (reactor power 80%) and availability factor 100%.

UNIT 2

The Unit entered the reporting period at a Power Level of 1012.8 MWe (99.6% reactor power). On December 2nd at 0308 hours, the reactor tripped due to an electrical disturbance and on December 3rd, at 2125 hours the reactor was made critical. December 4th at 0015 hours the Unit was synchronized to the grid, at 0140 hours turbine trip/reactor tripped due to feedwater control problems and 0405 hour the unit was made critical. On the same day, December 4 at 0620, the Unit was synchronized to the grid. The unit remained on-line the remainder of the month, ending with a Power Level of 1017 MWe (reactor power 99%) and having an availability factor of 93.3%.

0018t
0094A

DECEMBER MAJOR SAFETY RELATED MAINTENANCE

Equipment Name	Work Done
Unit 1 Loop C Tavg & ΔT Instrument	Replace RTD 20B

0018t
0094A

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. January 15, 1984 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 ammendments 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 363. One spent assy. has been shipped off-site for testing.

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. February, 1983, is the scheduled date for the next refueling outage.

3. April, 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 December, 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.