OPERATING DATA REPORT

DOCKET NO. 50-295
DATE 10-6-82
COMPLETED BY G AUSTIN
TELEPHONE (312)746-2084 ext. 346

OPERATING STATUS

1. Unit Name: ZION Unit 1
2. Reporting Period: 0000 820901 TO 2400 820930
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	6551	76703
12. Number Of Hours Reactor Was Critical	712.9	3203.8	54,160.4
13. Reactor Reserve Shutdown Hours	0	0	2,621.8
14. Hours Generator On-Line	712.9	3077.6	52,628.5
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,266,921	9,590,412	150,956,065
17. Gross Electrical Energy Generated (MWH)	738,920	3,126,685	48,652,485
18. Net Electrical Energy Generated (MWH)	713,172	2,963,975	46,155,716
19. Unit Service Factor	99.0	47.0	68.6
20. Unit Availability Factor	99.0	47.0	68.6
21. Unit Capacity Factor (Using MDC Net)	95.1	43.5	57.9
22. Unit Capacity Factor (Using DER Net)	95.1	43.5	57.9
23. Unit Forced Outage Rate	1.0	34.1	14.4

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: 10-02-82
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Acnieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY	N/A	
COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295
UNIT Zion U-1
DATE 10-6-82
COMPLETED BY G Austin
TELEPHONE 312 746 2084
ext. 346

MONTH SEPTEMBER 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1013	17	1016
2	1016	18	1020
3	1018	19	1017
4	1017	20	1021
5	956	21	1021
6	986	22	1020
7	974	23	1018
8	1008	24	1019
9	1013	25	1024
10	1010	26	1025
11	965	27	1020
12	849	28	1016
13	946	29	1016
14	908	30	710
15	1013	31	—
16	1019		

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 Sept. 1982

DOCKET NO. 50-295
UNIT NAME ZION U-1
DATE 10-6-82
COMPLETED BY G Austin
TELEPHONE 312 746 2084 ext 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
8	820930	F	7.1	A	2	N/A	N/A	N/A	Reactor was manually tripped due to Feedwater and Rod Control system 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
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 10-6-82
COMPLETED BY G Austin
TELEPHONE 312 746 2084 ext. 346

OPERATING STATUS

1. Unit Name: Zion Unit 2
2. Reporting Period: 0000 820901 to 2400 820930
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	720	6551	70,416
12. Number Of Hours Reactor Was Critical	158.2	4579.5	50,920.6
13. Reactor Reserve Shutdown Hours	0	0	226.1
14. Hours Generator On-Line	158.2	4427.5	49,467.5
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	503409	11,957,731	139,787,883
17. Gross Electrical Energy Generated (MWH)	164084	3,841,745	44,639,505
18. Net Electrical Energy Generated (MWH)	150936	3,624,908	42,361,825
19. Unit Service Factor	22.0	67.6	70.3
20. Unit Availability Factor	22.0	67.6	70.3
21. Unit Capacity Factor (Using MDC Net)	20.2	53.2	57.8
22. Unit Capacity Factor (Using DER Net)	20.2	53.2	57.8
23. Unit Forced Outage Rate	78.0	32.4	18.4

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

25. If Shut Down At End Of Report Period, Estimated Date of Startup: approximately October 19, 1982
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 U-2
DATE 10-6-82
COMPLETED BY G Austin
TELEPHONE 312 746 2084
ext. 346

MONTH September 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1005	17	-11
2	1009	18	-11
3	1007	19	-10
4	1012	20	-10
5	1009	21	-10
6	999	22	-9
7	495	23	-9
8	-19	24	-9
9	-14	25	-9
10	-12	26	-9
11	-11	27	-10
12	-10	28	-9
13	-10	29	-10
14	-11	30	-12
15	-11	31	
16	-11		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the neares' whole megawatt.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH Sept. 1982

DOCKET NO. 50-304
UNIT NAME Zion U-2
DATE 10-6-82
COMPLETED BY G Austin
TELEPHONE (312) 746-2084 ext. 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
14	820907	F	561.8	A	1	N/A	N/A	N/A	Off line for Turbine Blade repair 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
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 1059 MWe (100% reactor power). On September 30th at 1654 hrs. the reactor was manually tripped due to Feedwater and Rod Control System problems. The Unit remained shutdown the remainder of the month with an availability factor of 99.0%.

UNIT 2

The Unit entered the reporting period at a power level of 1038 MWe (100% reactor power). On September 7th at 1414 hours the Unit was taken off line for Turbine Blade repair problems. The Unit remained shutdown the remainder of the month with an availability factor of 22.0%.

0018t
0094A

SEPTEMBER MAJOR SAFETY RELATED MAINTENANCE

Equipment Name	Work Done
2B Diesel Generator	Installed new rings in starting air valve piston

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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 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 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. 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 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.