OPERATING DATA REPORT

DOCKET NO. 50-295
DATE
COMPLETED BY G Hrisho
TELEPHONE 746-2084

OPERATING STATUS

1. Unit Name: Zion Unit One
2. Reporting Period: 880201 0000 TO 880229 2400
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: NA

Notes

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	696.0	1440.0	124,176.0
12. Number Of Hours Reactor Was Critical	562.2	1306.2	87,391.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	2,621.8
14. Hours Generator On-Line	562.2	1306.2	84,847.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,689,454	3,999,310	242,164,397
17. Gross Electrical Energy Generated (MWH)	577,163	1,362,489	78,578,078
18. Net Electrical Energy Generated (MWH)	551,790	1,305,264	78,076,124
19. Unit Service Factor	80.8	90.7	68.3
20. Unit Availability Factor	80.8	90.7	68.3
21. Unit Capacity Factor (Using MDC Net)	76.2	87.2	60.5
22. Unit Capacity Factor (Using DER Net)	76.4	87.2	60.5
23. Unit Forced Outage Rate	2.1	1.0	12.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

25. If Shut Down At End Of Report Period, Estimated Date of Startup: April 30, 1988

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY	NA	
COMMERCIAL OPERATION		

(9/77)

IE24

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295
UNIT Zion U-1
DATE
COMPLETED BY G Austen
TELEPHONE 746-2084

MONTH February

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1050	17	947
2	1050	18	987
3	1021	19	980
4	1004	20	977
5	996	21	970
6	995	22	961
7	994	23	938
8	994	24	226
9	996	25	-17
10	995	26	-15
11	994	27	-9
12	996	28	-9
13	995	29	-8
14	995	30	
15	994	31	
16	994		

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 February

DOCKET NO. 50-295
UNIT NAME Zion U1
DATE
COMPLETED BY G Austin
TELEPHONE 312-746-2084

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
1	88 02 24	F	12.0	A	3				Turbine trip/Reactor Trip due to high-high level in 1C Steam Generator due to feedwater control malfunction.
1	88 02 24	S	121.8	C	4	NA	NA	NA	Started Cycle 10-11 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-Auto Scram
4-Continued
5-Reduced Load
9-Other

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
COMPLETED BY G Austin
TELEPHONE 746-2084

OPERATING STATUS

1. Unit Name: Zion Unit Two
2. Reporting Period: 88 02 01 0000 TO 88 02 29 2400
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: NA
9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

Notes

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	696.0	1440.0	117,889.0
12. Number Of Hours Reactor Was Critical	696.0	1440.0	86,211.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	226.1
14. Hours Generator On-Line	696.0	1440.0	83,803.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,172,407	4,510,652	244,207,419
17. Gross Electrical Energy Generated (MWH)	732,980	1,521,872	75,632,044
18. Net Electrical Energy Generated (MWH)	702,005	1,458,507	74,574,369
19. Unit Service Factor	100.0	100.0	71.1
20. Unit Availability Factor	100.0	100.0	71.1
21. Unit Capacity Factor (Using MDC Net)	97.0	97.4	60.8
22. Unit Capacity Factor (Using DER Net)	97.0	97.4	60.8
23. Unit Forced Outage Rate	0.0	0.0	14.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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

26. Units In Test Status (Prior to Commercial Operation):

	Forecast		Achieved
INITIAL CRITICALITY			
INITIAL ELECTRICITY		NA	
COMMERCIAL OPERATION			

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304
UNIT Zion #2
DATE
COMPLETED BY G Kustin
TELEPHONE 746-2084

MONTH February

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1044	17	1042
2	1045	18	1043
3	1044	19	1043
4	1047	20	1044
5	1046	21	1043
6	1046	22	1044
7	1048	23	1045
8	1048	24	1038
9	1048	25	1035
10	1049	26	734
11	1043	27	557
12	1046	28	845
13	1043	29	1015
14	1042	30	
15	1042	31	
16	1042		

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 February

DOCKET NO. 50-304
UNIT NAME ZION U-2
DATE
COMPLETED BY GERRI AUSTIN
TELEPHONE 312-746-2084

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
2	88 02 26		47.9		5				Reduced power to 57% due to 2A Feedwater pump flow control valve failed open.

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-Auto Scram
4-Continued
5-Reduced Load
9-Other

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)

FEBRUARY

MAJOR SAFETY RELATED MAINTENANCE

Equipment Name	Work Performed
Unit 1 Diesel Generator 0	Replaced turbo charger.
2A Service Water Pump	Replaced internal pump components including impellers and bearings.

1293t
0845A

FEBRUARY

SUMMARY OF OPERATING EXPERIENCE

UNIT 1

The unit entered the reporting period at 1087 MWe (99% reactor power). On February 24th at 1012 hours Turbine Trip/reactor trip due to high-high level in 1C steam generator due to feedwater control malfunction. At approximately 2212 hours, the scheduled refueling outage began. The unit remained off line the remainder of the month ending with an availability factor of 80.9%.

UNIT 2

The unit entered the reporting period at 1090 MWe (99% reactor power). The unit remained on line the entire reporting period, ending at a power level of 1094 MWe (98% reactor power) and having an availability factor of 100%.

1293t
0845A

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. Current refueling outage began February 24, 1988. Next refueling outage is currently scheduled to begin on August 31, 1989.

3. The initial criticality following refueling is scheduled for April 30, 1988.

4. A Technical Specification change has been submitted to approve the Westinghouse method of sleeving. Approval is pending. The reload safety review was held in October, 1987 and no unreviewed safety questions were identified for the proposed reload. The On-Site Review will be held before start-up.

5. None

6. None

7. The number of fuel assemblies

   a) in the core is 193, and
   b) in the spent fuel storage pool from Zion Unit 1 is 556.
   c) An additional 80 new fuel assemblies are in the pool in preparation for refueling.

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. In 1995, Zion Station will lose full core discharge capability. This date is based on a December, 1987 study.

1293t
0845A

Unit 2 - Answers

1. Zion Unit 2

2. The next refueling outage scheduled to begin in late-October, 1988.

3. Restart after the next refueling outage is currently scheduled for January, 1989.

4. No Technical Specification changes have been identified for the next cycle. The reload safety review is planned for July 1988. The On-site Review will be held after that review.

5. None

6. None.

7. The number of fuel assemblies

   a) in the core is 193, and
   b) in the spent fuel storage pool from Zion Unit 2 is 592

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. In 1995, Zion Station will lose full core discharge capability. This date is based on a December, 1987 study.

1293t
0845A

Commonwealth Edison
Zion Generating Station
101 Shiloh Blvd.
Zion, Illinois 60099
Telephone 312/746-2084

March 3, 1988

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir,

Enclosed please find the Operating Status Report for the month of February, 1988 for Zion Generating Station.

Sincerely,

G. J. Pliml
Station Manager
Zion Station

GJP/jlc

Enclosure

cc: D. P. Galle
A. B. Davis (NRC)
L. D. Butterfield
H. E. Bliss
A. Gianopoulos
L. J. Anastasia
INPO
Division of Eng. Health
State of Illinois
Tech Staff File
Director, Office of Inspection
and Enforcement
Master File

IE24
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