



Commonwealth Edison

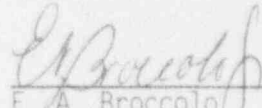
Zion Generating Station
101 Shiloh Blvd.
Zion, Illinois 60099
Telephone 708 / 746-2084

February 11, 1994
ZAD-94-002

Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir:

Attached is the January 1994 Operating Status Report.


E.A. Broccolo
Station Manager
Zion Station

EAB/jlc

Enclosure

cc: Regulatory Assurance
USNRC Document Control
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State of Illinois
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NRC Inspector, Zion
Operating Engrs.
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ZCLERK-5 (1)

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OPERATING DATA REPORT

DOCKET NO. 50-295
 DATE 02/11/94
 COMPLETED BY J. Cygan
 TELEPHONE (708)746-2084
X3169

OPERATING STATUS

1. Unit Name: Zion Unit 1
2. Reporting Period: 0000 010194 to 2400 013194
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	Cumulative
11. Hours in Reporting Period	<u>744.0</u>	<u>744.0</u>	<u>176,088.0</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</u>	<u>0.0</u>	<u>119,420.1</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>2,621.8</u>
14. Hours Generator On-Line	<u>0.0</u>	<u>0.0</u>	<u>115,923.1</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0.0</u>	<u>0.0</u>	<u>338,573,147</u>
17. Gross Electrical Energy Generated (MWH)	<u>0.0</u>	<u>0.0</u>	<u>109,859,560</u>
18. Net Electrical Energy Generated (MWH)	<u>0.0</u>	<u>0.0</u>	<u>104,546,571</u>
19. Unit Service Factor	<u>0.0</u>	<u>0.0</u>	<u>65.8</u>
20. Unit Availability Factor	<u>0.0</u>	<u>0.0</u>	<u>65.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>0.0</u>	<u>57.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>0.0</u>	<u>57.1</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>15.9</u>
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: 3/24/94
26. Units In Test Status (Prior to Commercial Operation): Forecast Achieved

INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

OPERATING DATA REPORT

DOCKET NO. 50-304
 DATE 02/11/94
 COMPLETED BY J. Cygan
 TELEPHONE (708)746-2084
X3169

OPERATING STATUS

1. Unit Name: Union Unit 2
2. Reporting Period: 0000 010194 to 2400 013194
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	Cumulative
11. Hours In Reporting Period	744.0	744.0	169,801.0
12. Number Of Hours Reactor Was Critical	0.0	0.0	119,965.1
13. Reactor Reserve Shutdown Hours	0.0	0.0	226.1
14. Hours Generator On-Line	0.0	0.0	117,006.1
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	0.0	0.0	347,129,787
17. Gross Electrical Energy Generated (MWH)	0.0	0.0	111,681,162
18. Net Electrical Energy Generated (MWH)	0.0	0.0	106,402,841
19. Unit Service Factor	0.0	0.0	68.9
20. Unit Availability Factor	0.0	0.0	68.9
21. Unit Capacity Factor (Using MDC Net)	0.0	0.0	60.3
22. Unit Capacity Factor (Using DER Net)	0.0	0.0	60.3
23. Unit Forced Outage Rate	0.0	0.0	15.0
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: 3/5/94
26. Units In Test Status (Prior to Commercial Operation): Forecast Achieved

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-295
 UNIT Zion Unit 1
 DATE 02/11/94
 COMPLETED BY J. Cygan
 TELEPHONE (708) 746-2084
x3169

MONTH JANUARY 1994

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	<u>-3</u>
2	<u>-3</u>
3	<u>-3</u>
4	<u>-3</u>
5	<u>-3</u>
6	<u>-3</u>
7	<u>-3</u>
8	<u>-3</u>
9	<u>-3</u>
10	<u>-3</u>
11	<u>-3</u>
12	<u>-3</u>
13	<u>-3</u>
14	<u>-3</u>
15	<u>-3</u>
16	<u>-3</u>

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
17	<u>-3</u>
18	<u>-4</u>
19	<u>-4</u>
20	<u>-4</u>
21	<u>-4</u>
22	<u>-4</u>
23	<u>-4</u>
24	<u>-4</u>
25	<u>-4</u>
26	<u>-4</u>
27	<u>-4</u>
28	<u>-4</u>
29	<u>-4</u>
30	<u>-4</u>
31	<u>-4</u>

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.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-304
 UNIT Zion Unit 2
 DATE 02/11/94
 COMPLETED BY J. Cygan
 TELEPHONE (708) 746-2084
x3169

MONTH JANUARY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>-2</u>
2	<u>-2</u>
3	<u>-2</u>
4	<u>-2</u>
5	<u>-2</u>
6	<u>-2</u>
7	<u>-2</u>
8	<u>-2</u>
9	<u>-2</u>
10	<u>-2</u>
11	<u>-2</u>
12	<u>-2</u>
13	<u>-2</u>
14	<u>-2</u>
15	<u>-2</u>
16	<u>-2</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>-2</u>
18	<u>-3</u>
19	<u>-3</u>
20	<u>-3</u>
21	<u>-3</u>
22	<u>-3</u>
23	<u>-3</u>
24	<u>-3</u>
25	<u>-3</u>
26	<u>-3</u>
27	<u>-3</u>
28	<u>-3</u>
29	<u>-3</u>
30	<u>-3</u>
31	<u>-3</u>

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.

JANUARY 1994

SUMMARY OF OPERATING EXPERIENCE

UNIT 1

Unit 1 began and ended January Off-Line for Refueling and Dual Outage work on Service Water and Component Cooling Systems.

UNIT 2

Unit 2 began and ended January Off-Line for Dual Outage work on Service Water and Component Cooling Systems.

JANUARY 1994

MAJOR MAINTENANCE

<u>EQUIPMENT NAME</u>	<u>WORK PERFORMED</u>
(UNIT 1)	
SW	Major SW System Work Scheduled Outage Work OOS: 11/05/93 - 02/04/94
CC	Major CC System Work Scheduled Outage Work OOS: 11/05/93 - 01/31/94
0 D/G	Overhaul Scheduled Overhaul OOS: 10/24/93 - 02/05/94*
1A D/G	Overhaul Scheduled Overhaul OOS: 11/11/93 - 02/05/94*
1A RCP	Seal Inspection Scheduled Inspection/Replacement OOS: 11/04/93 - 02/15/94*
1B RCP	Pump & Motor Work Scheduled Work OOS: 11/04/93 - 02/15/94*
MOVs	MOV Overhaul & Test Scheduled Work OOS: 10/11/93 - 02/25/94*
Aux FW Pps	Oil Cooler Replacement Scheduled Work OOS: 01/15/94 - 02/10/94*

COMMENT: U1 Refueling and Dual Outage Work
* Estimated Dates

*

JANUARY 1994

MAJOR MAINTENANCE

<u>EQUIPMENT NAME</u>	<u>WORK PERFORMED</u>
(UNIT 2)	
SW	Major SW System Work Scheduled Outage Work OOS: 11/05/93 - 02/04/94
CC	Major CC System Work Scheduled Outage Work OOS: 11/05/93 - 01/31/94
0 D/G	Overhaul Scheduled Overhaul OOS: 10/24/93 - 02/05/94*
2A D/G	Overhaul Scheduled Overhaul OOS: 10/14/93 - 02/04/94
MOVs	MOV Overhaul & Test Scheduled Work OOS: 10/11/93 - 02/25/94*
Aux FW Pps	Oil Cooler Replacement Scheduled Work OOS: 01/15/94 - 02/10/94*

COMMENT: U2 Dual Outage Work
* Estimated Dates

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 the 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.

REFUELING INFORMATION REQUEST

UNIT 2 - ANSWERS.

1. Zion Unit 2.
2. Cycle 13 is scheduled to shutdown January 5, 1995 for refueling.
3. Cycle 14 is scheduled to start up March 22, 1995.
4. Yes. Neutron Flux - NIS Instrumentation unit change per Gamma Metrics Mod. Onsite Review completed 4/8/93, submitted 4/21/93, approval was received on 10/29/93.
5. Not applicable or none proposed.
6. Not applicable.
7. The number of fuel assemblies
 - (a) in the core is 0, and
 - (b) in the spent fuel storage pool from Zion Unit 2 is 1.0i7.
8. The present licensed spent fuel pool storage capacity (shared with Zion Unit 1) is 3012 fuel assemblies (only 2762 locations will be accessible).
9. Zion Station will lose dual full core discharge capability in November 2001, at the beginning of Unit 1 Cycle 19, based on the latest Nuclear Stations Refueling Schedule. Full core discharge capability for a single core will be lost in May 2003, at the beginning of Unit 1 Cycle 20.