

March 11.1994 ZAD-94-003

Nuclear Regulatory Commission Document Control Desk Washington, DC 20555

Dear Sir:

Attached is the February 1994 Operating Status Report.

E. A. Broccolo Station Manager Zion Station

EAB/jic

Enclosure

cc. Regulatory Assurance
USNRC Document Control
M. Wallace
J. Martin (NRC)
T. Rieck
D. Farrar
D. R. Eggett
INPO
Div. of Enforcement Health
State of Illinois
F. Yost
NRC Inspector, Zion
Operating Engrs
C. Y. Shiraki - Fax
Master File

JE24 !

OPERATING DATA REPORT

DOCKET NO.			
		7.224	
COMPLETED -			
TELEPHONE		746	

OPERATING STATUS

4.5.65	Unit Name: Zion Unit 1 Reporting Period: 0000 020194 to 2400 0 Licensed Thermal Power (Mwt): 3250 Nameplate Rating (Gross Mwe): 1085 Design Electrical Rating (Net Mwe): Maximum Dependable Capacity (Gross Mwe) Maximum Dependable Capacity (Net Mwe): If Changes Occur in Capacity Ratings (I Report, Give Reasons: N/A	1040 1085 1040		Last
	Power Level To Which Restricted, If Any Reasons For Restrictions, If Any:		N/A	
		This Month	Yr-to-Date	Cumulative
11. 12. 14. 15. 16. 17. 18. 19. 22. 22. 24.	Hours in Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MW- Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months	672.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1,416.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	176,760 0 119,420.1 2,621.8 115,923.1 0,0 338,573,147 109,859,560 104,546,571 65,6 65,6 56,9 56,9 56,9 56,9 56,9
	If Shut Down At End Of Report Period, E Units In Test Status (Prior to Commerci	stimated Date o	f Startup: <u>3/24/</u> Forecast	94 Achieved
	INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATIO			

OPERATING DATA REPORT

DOCKET NO	50-304
DATE	03/11/94
COMPLETED	BY J. Cygan
TELEPHONE	(708)746-2084
	X3169

OPERATING STATUS

1.23.4.5.67.8.	Unit Name: Zign Unit 2 Reporting Period: 0000 020194 to 2400 0 Licensed Thermal Power (MWt): 3250 Nameplate Rating (Gross MWe): 1085 Design Electrical Rating (Net MWe): Maximum Dependable Capacity (Gross MWe) Maximum Dependable Capacity (Net MWe): If Changes Occur in Capacity Ratings (I Give Reasons: N/A	1040 1085 1040		Last Report.
9. 10.	Power Level To Which Restricted, If Any Reasons For Restrictions, If Any: N/A		N/A	
		This Month	Yr-to-Date	Cumulative
11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 24.	Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months	672.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1,416.0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0	170,473,0 119,965,1 226,2 117,006,1 0,0 347,129,787 111,681,162 106,402,841 68,6 68,6 60,0 60,0 15,0 ch):
	If Shut Down At End Of Report Period. E Units In Test Status (Prior to Commerc) INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION	al Operation):		

	5
02/01	Date
on.	Type
07/20	Duration (Hours)
	Reason 2
	Method of Shutting Down 3 Reactor
	Licensee Event Report #
	System Code 4
	Component Code 5
Continuation of Refueling & Service Water Outage	Cause & Corrective Action to Prevent Recurrence

Exhibit 6 - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

UNIT SHUTEGANS AND POWER REDUCTIONS

DOCKET NO 50-304
UNIT NAME ZIGN UNIT 2
DATE 03/11/94
COMPLETED BY J. Cygan
TELEPHONE (708) 746-2084 x31

REPORT MONTH FEBRUARY 1994

Cause & Corrective Action to Prevent Recurrence	Continuation of Service Water Outage
Component Code 5	
System Code 4	
Licensee Event Report #	
Nethod of Shutting Down 3 Reactor	
Reason 2	
Duration (Hours)	
Type	
Date	0.5701
2	

for Preparation of Data Entry Sheets for Themse Event Report (LER) File (NUREG-0161)

Exhibit 1 - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-295
UNIT Zion Unit 1
DATE 03/11/94
COMPLETED BY J. Gygan
TELEPHONE (708) 746-2084
×3169

	MONTH FEBRUARY 1994		
	AVERAGE DAILY POWER LEVEL (Mwe-Net)	DAY	AVERAGE DAILY POWER LEV (MWe-Net)
		17	-5
	-A	18	-5
	4	19	-5
4			5
		21	-5
6	-4		-6
	4		-6
	-4	24.	6-11-14
	4		6
	A	26	6
	5		
			7
	and the state of t	29	
14	-5		
	-A		
	5		

THISTOHETTONS

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 03/11/94

COMPLETED BY J. Cygan

TELEPHONE (708) 746-2084

x3169

MONTH FEBRUARY 1994		
AVERAGE DAILY POWER LIVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVE (Mwe-Net)
3		-4
3	18	-5
	19	
and the second s		-4
3	21	<u> </u>
3		-5
3	23	5_5_5
-3	24	
distribution and an interest description of the second		-6
		-6
4		
5		7
5		
4		

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.

FEBRUARY 1994

SUMMARY OF OPERATING EXPERIENCE

UNII 1

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

UNITE

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

FEBRUARY 1994

MAJOR MAINTENANCE

EQUIPMENT NAME	WORK PERFORMED
(UNIT 1)	
	Major SW System Work Scheduled Outage Work DOS: 11/05/93 - 02/06/94
0.0/6	Overhaul Scheduled Overhaul 005: 10/24/93 - 02/15/94
	Overhaul Scheduled Overhaul OOS: 11/11/93 - 02/11/94
1A RCP	Seal Inspection Scheduled Inspection OOS: 11/04/93 - 02/15/94
	Pump & Motor Work Scheduled Work OOS: 11/04/93 - 02/20/94
MoVs	MOV Overhaul & Testing Scheduled Work 00S: 10/11/93 - 03/10/94*
Aux FW Pps	Oil Cooler Replacement Scheduled Work OOS: 01/15/94 - 02/20/94

COMMENT: U1 Refueling and Dual Dutage Work
* Estimated Date

	100 8 10	N. A. A. Per	
	16-74		
	16-53		

Major SW System Work Scheduled Outage Work OOS: 11/05/93 - 02/06/94

U2 Dual Outage Work * Estimated Date

REFUELING INFORMATION REQUEST

QUESTIONS:

- 1. Name of facility
- 2. Scheduled date for next refueling shutdown
- 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 ves, 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.
- 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.
- 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 1 - ANSWERS

- I. Zion Unit 1.
- Cycle 13 was shutdown October 21, 1993 for refueling.
- Cycle 14 is scheduled to start up March 24, 1994.
- 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
- Not applicable.
- The number of fuel assemblies
 - (a) in the core is 193, and
 - (b) in the spent fuel storage pool from Zion Unit 1 is 784
- The present licensed spent fuel pool storage capacity (shared with 71on Unit 2) is 3012 fuel assemblies (only 2762 locations will be accessible).
- 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.

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.
- Not applicable or none proposed.
- 6. Not applicable
- 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 824
- 8. The present licensed spent fuel pool storage capacity (shared with Zion Unit 1) is 3012 fuel assemblies Youly 2762 locations will be accessible).
- Zion Station will lose dual full core discharge capability in November 2001, at the beginning of Unit 1 Cycle 1ª, 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.