

SUMMARY

The following report highlights the operating experience of Wolf Creek Generating Station for the month of January, 1994. This report is being provided pursuant to Technical Specification 6.9.1.8.

I. SUMMARY OF OPERATING EXPERIENCE

The unit operated near 100% power until January 14, 1994, when the reactor was shut down for repair of a containment cavity cooling fan. The unit returned to Mode 1, Power Operation, on January 17, 1994. On January 26, 1994, power reduction commenced due to a rod control urgent failure alarm, and at 30% power the reactor was tripped. At 0244 hours on January 27, 1994, a Notification of Unusual Event was declared and was terminated at 0423 hours. Rod Control repair was performed, but while returning the unit to service a subsequent rod control urgent failure alarm was received, and the unit was tripped from Mode 2 for replacement of a thyristor in the rod control system. The unit was returned to service on January 30, 1994.

II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

No major safety related maintenance was performed during the month of January 1994.

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OPERATING DATA REPORT  
DOCKET NO. 50-482  
WOLF CREEK GENERATING STATION  
WOLF CREEK NUCLEAR OPERATING CORPORATION  
DATE 02-01-94  
COMPLETED BY M. Williams  
TELEPHONE 316-364-8831

## OPERATING STATUS

1. Reporting Period: January, 1994 Gross Hours in Reporting Period: 744
  2. Currently Authorized Power Level (MWt): 3565 Max. Depend. Capacity (MWe-Net): 1134  
Design Electrical Rating (MWe-Net): 1170
  3. Power Level to Which Restricted (If Any) (MWe-Net): N/A
  4. Reasons for Restriction (If Any): N/A
- |   | This Month       | Yr. to Date      | Cumulative         |
|---|------------------|------------------|--------------------|
| 5. Number of Hours Reactor was Critical     | <u>663.2</u>     | <u>663.2</u>     | <u>59025.6</u>     |
| 6. Reactor Reserve Shutdown Hours           | <u>0.0</u>       | <u>0.0</u>       | <u>339.8</u>       |
| 7. Hours Generator on Line                  | <u>626.7</u>     | <u>626.7</u>     | <u>58,208.1</u>    |
| 8. Unit Reserve Shutdown Hours              | <u>0.0</u>       | <u>0.0</u>       | <u>0.0</u>         |
| 9. Gross Thermal Energy Generated (MWH)     | <u>2,051,879</u> | <u>2,051,879</u> | <u>191,316,290</u> |
| 10. Gross Electrical Energy Generated (MWH) | <u>708,139</u>   | <u>708,139</u>   | <u>66,561,688</u>  |
| 11. Net Electrical Energy Generated (MWH)   | <u>674,228</u>   | <u>674,228</u>   | <u>63,519,900</u>  |
| 12. Reactor Service Factor                  | <u>89.1</u>      | <u>89.1</u>      | <u>80.0</u>        |
| 13. Reactor Availability Factor             | <u>89.1</u>      | <u>89.1</u>      | <u>80.5</u>        |
| 14. Unit Service Factor                     | <u>84.2</u>      | <u>84.2</u>      | <u>79.0</u>        |
| 15. Unit Availability Factor                | <u>84.2</u>      | <u>84.2</u>      | <u>79.0</u>        |
| 16. Unit Capacity Factor (Using MDC)        | <u>79.9</u>      | <u>79.9</u>      | <u>76.1</u>        |
| 17. Unit Capacity Factor (Using Design MWe) | <u>77.5</u>      | <u>77.5</u>      | <u>73.6</u>        |
| 18. Unit Forced Outage Rate                 | <u>8.6</u>       | <u>8.6</u>       | <u>5.7</u>         |
19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of each): N/A
  20. If Shut Down at End of Report Period, Estimate Date of Startup: N/A

AVERAGE DAILY UNIT POWER LEVEL  
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MONTH January, 1994

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	1157
2	1156
3	1155
4	1155
5	1155
6	1155
7	1149
8	1154
9	1155
10	1156
11	1154
12	1155
13	1155
14	1117
15	66
16	0

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	1
18	703
19	1137
20	1138
21	1140
22	1097
23	1142
24	1144
25	1145
26	1045
27	46
28	0
29	65
30	1040
31	1144

## UNIT SHUTDOWN AND POWER REDUCTIONS

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 WOLF CREEK NUCLEAR OPERATING CORPORATION  
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No	Date	Type	DURATION (Hours)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED S: SCHEDULED				
1	940114	S	58.1	A	1	Repair of Containment Cavity Cooling Fan
2	940127	F	59.2	A	2	Repair of Rod Control System

**SUMMARY:** The unit operated near 100% power until January 14, 1994, when the reactor was shut down for repair of a containment cavity cooling fan. The unit returned to Mode 1, Power Operation, on January 17, 1994. On January 26, 1994, power reduction commenced due to a rod control urgent failure alarm, and at 30% power the reactor was tripped. Rod Control repair was performed, but while returning the unit to service a subsequent rod control urgent failure alarm was received, and the unit was tripped from Mode 2 for replacement of a thyristor in the rod control system. The unit was returned to service on January 30, 1994.

- 1) REASON: A: EQUIPMENT FAILURE (EXPLAIN) E: OPERATOR TRAINING AND LICENSE EXAMINATION (2) METHOD: 1. MANUAL  
 B: MAINTENANCE OR TEST F: ADMINISTRATIVE 2. MANUAL SCRAM  
 C: REFUELING G: OPERATIONAL ERROR (EXPLAIN) 3. AUTOMATIC SCRAM  
 D: REGULATORY RESTRICTION H: OTHER (EXPLAIN) 4. CONTINUED  
 5. REDUCED LOAD  
 9. OTHER

WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

UNIT NO. 1

MONTH January, 1994

SUMMARY OF OPERATING EXPERIENCE

Listed below in chronological sequence is a summary of operating experiences for this month which required load reduction or resulted in significant non-load related incidents.

DATE	TIME	EVENT
January 1, 1994	0000 hours	Unit near 100% power.
January 14, 1994	1945 hours	Commenced Power Reduction for Containment Cavity Cooling Fan Repair
	2334 hours	Unit at 50% power.
January 15, 1994	1049 hours	Unit entered Mode 2, startup.
	1251 hours	Unit entered Mode 3, hot standby.
January 17, 1994	1007 hours	Unit entered Mode 2, startup.
	1617 hours	Unit entered Mode 1, power operation.
January 18, 1994	2336 hours	Unit near 100% power.
January 26, 1994	1633 hours	Commenced Power Reduction due to Rod Control Urgent Failure Alarm.
January 27, 1994	0423 hours	Reactor Manually Tripped, Unit entered Mode 3, hot standby.
January 28, 1994	0135 hours	Unit entered Mode 2, startup.
	1733 hours	Unit entered Mode 3, hot standby, for rod control repair.
January 29, 1994	0532 hours	Unit entered Mode 2, startup.
	1321 hours	Unit entered Mode 1, power operation.
January 30, 1994	2400 hours	Unit near 100% power.