

WOLF CREEK

NUCLEAR OPERATING CORPORATION

John A. Bailey
Vice President
Nuclear Operations

March 15, 1990
NO 90-0077

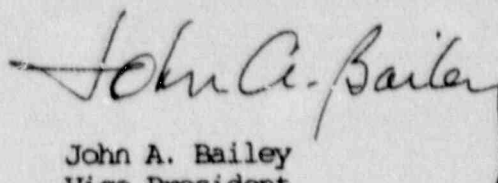
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-137
Washington, D. C. 20555

Subject: Docket No. 50-482: February, 1990 Monthly
Operating Report

Gentlemen:

Attached is the February, 1990, Monthly Operating Report for Wolf Creek
Generating Station. This submittal is being made in accordance with the
requirements of Technical Specification 6.9.1.8.

Very truly yours,



John A. Bailey
Vice President
Nuclear Operations

JAB/aem

Attachment

cc: R. D. Martin (NRC), w/a
D. Persinko (NRC), w/a
D. V. Pickett (NRC), w/a
M. E. Skow (NRC), w/a

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WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

MONTHLY OPERATING REPORT

MONTH: February YEAR: 1990

Docket No.: 50-482

Facility Operating License No.: NPF-42

Report No. 60

Prepared by:

Merlin G. Williams

SUMMARY

The following report highlights the operating experience of Wolf Creek Generating Station for the month of February, 1990. This report is being provided pursuant to Technical Specification 6.9.1.8.

I. SUMMARY OF OPERATING EXPERIENCE

The unit operated near 100 percent power until 0907 hours on February 06, 1990, when a reactor trip occurred due to a trip of Reactor Coolant Pump (RCP) "A". A spurious trip of a phase differential overcurrent relay on the RCP power supply lead to the RCP trip.

The unit entered Mode 2 - Startup at 1634 hours on February 07, 1990, and Mode 1 - Power Operation at 2123 hours on February 07, 1990. Ascension to 100 percent power was delayed due to a failure of a servo valve on the turbine combined intercept valve. The unit reached 100 percent power at 0552 hours on February 09, 1990.

At 0255 hours on February 10, 1990, unit power was reduced to approximately 95 percent due to a tube leak on the number "2B" low-pressure feedwater heater. The "B" low-pressure feedwater heater string was isolated which restricted unit power to approximately 95 percent for the remainder of the month. The feedwater heater will be repaired during the up-coming refueling outage.

II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

No major safety related maintenance activities were performed during the month of February.

OPERATING DATA REPORT

DOCKET NO. 50-482
 WOLF CREEK GENERATING STATION
 WOLF CREEK NUCLEAR OPERATING CORPORATION
 DATE 03-01-90
 COMPLETED BY M. Williams
 TELEPHONE 316-364-8831

OPERATING STATUS

1. Reporting Period: February, 1990 Gross Hours in Reporting Period: 672
 2. Currently Authorized Power Level (MWt): 3411 Max. Depend. Capacity (MWe-Net): 1135
 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>640.6</u> | <u>1384.6</u> | <u>31,684.0</u> |
| 6. Reactor Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>339.8</u> |
| 7. Hours Generator on Line | <u>618.2</u> | <u>1362.2</u> | <u>31,149.3</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>2,017,613</u> | <u>4,552,385</u> | <u>103,029,640</u> |
| 10. Gross Electrical Energy Generated (MWH) | <u>697,791</u> | <u>1,589,975</u> | <u>35,868,922</u> |
| 11. Net Electrical Energy Generated (MWH) | <u>668,550</u> | <u>1,528,876</u> | <u>34,251,247</u> |
| 12. Reactor Service Factor | <u>95.3</u> | <u>97.8</u> | <u>80.5</u> |
| 13. Reactor Availability Factor | <u>95.3</u> | <u>97.8</u> | <u>81.4</u> |
| 14. Unit Service Factor | <u>92.0</u> | <u>96.2</u> | <u>79.1</u> |
| 15. Unit Availability Factor | <u>92.0</u> | <u>96.2</u> | <u>79.1</u> |
| 16. Unit Capacity Factor (Using MDC) | <u>87.7</u> | <u>95.1</u> | <u>77.0</u> |
| 17. Unit Capacity Factor (Using Design MWe) | <u>85.0</u> | <u>92.3</u> | <u>74.4</u> |
| 18. Unit Forced Outage Rate | <u>8.0</u> | <u>3.8</u> | <u>4.6</u> |
19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of each):
 Refueling Outage on March 08, 1990, for 65 days.
 20. If Shut Down at End of Report Period, Estimated Date of Startup: N/A

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-482

WOLF CREEK GENERATING STATION

WOLF CREEK NUCLEAR OPERATING CORPORATION

DATE 03-01-90COMPLETED BY M. WilliamsTELEPHONE 316-364-8831MONTH February, 1990DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1155</u>
2	<u>1154</u>
3	<u>1157</u>
4	<u>1157</u>
5	<u>1156</u>
6	<u>418</u>
7	<u>0</u>
8	<u>101</u>
9	<u>1122</u>
10	<u>1085</u>
11	<u>1080</u>
12	<u>1081</u>
13	<u>1078</u>
14	<u>1078</u>
15	<u>1074</u>
16	<u>1075</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>1077</u>
18	<u>1080</u>
19	<u>1080</u>
20	<u>1080</u>
21	<u>1078</u>
22	<u>1078</u>
23	<u>1078</u>
24	<u>1076</u>
25	<u>1077</u>
26	<u>1078</u>
27	<u>1075</u>
28	<u>1073</u>
29	<u>N/A</u>
30	<u>N/A</u>
31	<u>N/A</u>

UNIT SHUTDOWN AND POWER REDUCTIONS

DOCKET NO. 50-482
 WOLF CREEK GENERATING STATION
 WOLF CREEK NUCLEAR OPERATING CORPORATION
 DATE 03-01-90
 COMPLETED BY M. Williams
 TELEPHONE 316-364-6831

REPORT MONTH February, 1990

No	Date	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
1	900206	F	53.8	A	3	Trip of Reactor Coolant Pump "A" due to a phase differential overcurrent relay trip.

SUMMARY: The unit operated near 100% power until February 06, 1990, when reactor trip occurred. Unit returned to 100% power on February 09, 1990. A low-pressure feedwater heater tube leak forced a power reduction to approximately 95% on February 10, 1990. The unit operated at approximately 95% for the remainder of the month.

(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 Generating Station
 Monthly Operating Report
 February 1990
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WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

UNIT NO. 1

MONTH February, 1990

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.

<u>DATE</u>	<u>TIME</u>	<u>EVENT</u>
February 01, 1990	0000 hours	Unit at 100% power.
February 06, 1990	0907 hours	Reactor Trip - Trip of Reactor Coolant Pump "A" due to phase differential overcurrent relay trip.
February 07, 1990	1634 hours 1709 hours 2123 hours	Entered Mode 2 - Startup. Reactor critical. Entered Mode 1 - Power Operation.
February 08, 1990	1454 hours	Unit synchronized to grid.
February 09, 1990	0552 hours	Unit at 100% power.
February 10, 1990	0255 hours	Unit at approximately 95% power due to low-pressure feedwater heater tube leak.
February 28, 1990	2400 hours	Unit at approximately 95% power.