

# WOLF CREEK

NUCLEAR OPERATING CORPORATION

John A. Bailey  
Vice President  
Nuclear Operations

December 13, 1990

NO 90-0305

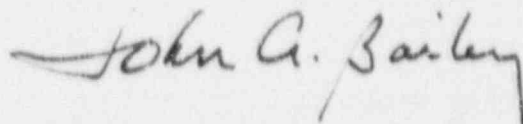
U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station P1-137  
Washington, D. C. 20555

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

Gentlemen:

Attached is the November, 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

JAE/jra

Attachment

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

9012180271 901130  
PDR AD'OCK 05000482  
R PDR

183013

11/11  
IES4

WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

MONTHLY OPERATING REPORT

MONTH: November YEAR: 1990

Docket No.: 50-482

Facility Operating License No.: NPF-42

Report No. 69

Prepared by:

Merlin G. Williams

## SUMMARY

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

### I. SUMMARY OF OPERATING EXPERIENCE

The unit operated at 100% power throughout the month of November with the exception of two power reductions to facilitate repairs.

The first power reduction occurred on November 7 as a result of a partial loss of cooling on the "B" phase main transformer. Power was reduced to 87% for approximately two hours to stabilize winding temperatures while repairs could be completed.

Power was again reduced late November 9 through November 12 for secondary system maintenance activities. Specifically, Main Feedwater Pump PAE01B underwent speed sensor replacement and Heater Drain Pumps PAF01A and B were encapsulated to stop ongoing leakage. Reactor power was decreased to 55% for the feedwater pump repair and increased to 95% until the heater drain pump repairs were complete.

### II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

No major safety related maintenance activities were performed in November.

## OPERATING DATA REPORT

DOCKET NO. 50-482  
 WOLF CREEK GENERATING STATION  
 WOLF CREEK NUCLEAR OPERATING CORPORATION  
 DATE 12-01-90  
 COMPLETED BY M. Williams  
 TELEPHONE 316-764-8831

## OPERATING STATUS

1. Reporting Period: November, 1990 Gross Hours in Reporting Period: 720
  2. Currently Authorized Power Level (MWT): 3411 MW 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>720.0</u>     | <u>6,352.1</u>    | <u>36,651.5</u>    |
| 6. Reactor Reserve Shutdown Hours           | <u>0.0</u>       | <u>0.0</u>        | <u>339.8</u>       |
| 7. Hours Generator on Line                  | <u>720.0</u>     | <u>6,292.7</u>    | <u>36,079.8</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>2,421,081</u> | <u>21,056,411</u> | <u>119,533,666</u> |
| 10. Gross Electrical Energy Generated (MWH) | <u>850,546</u>   | <u>7,411,223</u>  | <u>41,620,170</u>  |
| 11. Net Electrical Energy Generated (MWH)   | <u>-</u>         | <u>7,015,837</u>  | <u>39,738,208</u>  |
| 12. Reactor Service Factor                  | <u>100.0</u>     | <u>79.2</u>       | <u>79.7</u>        |
| 13. Reactor Availability Factor             | <u>100.0</u>     | <u>79.2</u>       | <u>80.5</u>        |
| 14. Unit Service Factor                     | <u>100.0</u>     | <u>78.5</u>       | <u>78.5</u>        |
| 15. Unit Availability Factor                | <u>100.0</u>     | <u>78.5</u>       | <u>78.5</u>        |
| 16. Unit Capacity Factor (Using MDC)        | <u>100.0</u>     | <u>77.1</u>       | <u>76.5</u>        |
| 17. Unit Capacity Factor (Using Design MWe) | <u>97.0</u>      | <u>74.8</u>       | <u>73.9</u>        |
| 18. Unit Forced Outage Rate                 | <u>0.0</u>       | <u>1.9</u>        | <u>4.1</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, 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 12-01-90  
 COMPLETED BY M. Williams  
 TELEPHONE 316-364-8831

MONTH November, 1990

DAY AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY AVERAGE DAILY POWER LEVEL (MWe-Net)
1 <u>1149</u>	17 <u>1154</u>
2 <u>1150</u>	18 <u>1154</u>
3 <u>1151</u>	19 <u>1152</u>
4 <u>1152</u>	20 <u>1151</u>
5 <u>1153</u>	21 <u>1151</u>
6 <u>1153</u>	22 <u>1155</u>
7 <u>1121</u>	23 <u>1153</u>
8 <u>1153</u>	24 <u>1156</u>
9 <u>1152</u>	25 <u>1156</u>
10 <u>764</u>	26 <u>1155</u>
11 <u>1069</u>	27 <u>1153</u>
12 <u>1111</u>	28 <u>1155</u>
13 <u>1152</u>	29 <u>1156</u>
14 <u>1147</u>	30 <u>1155</u>
15 <u>1152</u>	31 <u>N/A</u>
16 <u>1152</u>	

## UNIT SHUTDOWN AND POWER REDUCTIONS

DOCKET NO. 50-482  
 WOLF CREEK GENERATING STATION  
 WOLF CREEK NUCLEAR OPERATING CORPORATION  
 DATE 12-01-90  
 COMPLETED BY M. Williams  
 TELEPHONE 316-364-8831

REPORT MONTH November, 1990

No	Date	TYPE		DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED	S: SCHEDULED				
10	901109		S	0.0	A	5	Power was reduced to a low of 55% for replacement of "B" main feedwater pump speed sensor and leak encapsulation on heater drain pumps "A" and "B".

**SUMMARY:** The unit operated at or near 100% power throughout the month of November with the exception of power reductions on November 7 and November 9-12 for equipment repair.

- 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 November, 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>
November 1, 1990	0000 hours	Unit at 100% power.
November 7, 1990	0533 hours	Began reducing power to 87% due to partial loss of "B" phase main transformer cooling.
	1012 hours	Power increased to 98% following transformer repair.
November 8, 1990	0000 hours	Unit at 100% power.
November 9, 1990	2337 hours	Commenced power reduction for "B" main feedwater pump speed indicator repair, as well as encapsulation of leakage on heater drain pumps "A" and "B".
November 10, 1990	0350 hours	Unit at 55% power.
	1015 hours	Power increased to 65% per request of system operations.
November 11, 1990	0050 hours	Increased power to approximately 95% following main feedwater pump repair.
November 12, 1990	1234 hours	Unit at 100% power following heater drain pump repairs.
November 30, 1990	2400 hours	Unit at 100% power.