

# WOLF CREEK

NUCLEAR OPERATING CORPORATION

John A. Bailey  
Vice President  
Operations

May 14, 1991

NO 91-0144

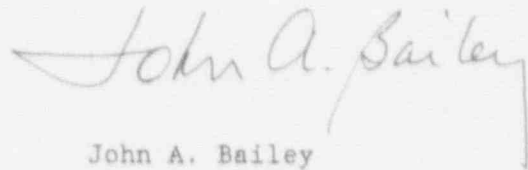
U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station P1-137  
Washington, D. C. 20555

Subject: Docket No. 50-482: April, 1991 Monthly  
Operating Report

Gentlemen:

Attached is the April 1991, 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  
Operations

JAB/aem

Attachment

cc: L. L. Gundrum (NRC), w/a  
A. T. Howell (NRC), w/a  
R. D. Martin (NRC), w/a  
D. V. Pickett (NRC), w/a

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WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

MONTHLY OPERATING REPORT

MONTH: April YEAR: 1991

Docket No.: 50-482

Facility Operating License No.: NPF-42

Report No. 74

Prepared by:

Merlin G. Williams

## SUMMARY

The following report highlights the operating experience of Wolf Creek Generating Station for the month of April, 1991. This report is being provided pursuant to Technical Specification 6.9.1.8.

### I. SUMMARY OF OPERATING EXPERIENCE

The unit operated continuously throughout the month of April 1991. The plant began the month at 80% power with power being reduced to 60% April 6 and to 50% April 1<sup>st</sup> in support of fuel conservation activities. Power was further reduced to 5% April 15 in support of repair on main turbine control valve AC PCV 47. With the control valve repair complete, power was restored to 60% April 16, and it remained at or near 60% for the remainder of the month.

### II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

1. Replacement of mechanical overspeed trip mechanism on turbine driven auxiliary feedwater pump PAL02.

## OPERATING DATA REPORT

DOCKET NO. 50-482  
 WOLF CREEK GENERATING STATION  
 WOLF CREEK NUCLEAR OPERATING CORPORATION  
 DATE 05-01-91  
 COMPLETED BY M. Williams  
 TELEPHONE 316-364-8831

## OPERATING STATUS

1. Reporting Period: April, 1991 Gross Hours in Reporting Period: 719
  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>719.0</u>     | <u>2,879.0</u>   | <u>40,274.5</u>    |
| 6. Reactor Reserve Shutdown Hours           | <u>0.0</u>       | <u>0.0</u>       | <u>339.8</u>       |
| 7. Hours Generator on Line                  | <u>719.0</u>     | <u>2,879.0</u>   | <u>39,702.8</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>1,506,284</u> | <u>7,679,258</u> | <u>129,744,283</u> |
| 10. Gross Electrical Energy Generated (MWH) | <u>503,861</u>   | <u>2,659,776</u> | <u>45,174,545</u>  |
| 11. Net Electrical Energy Generated (MWH)   | <u>470,532</u>   | <u>2,525,934</u> | <u>43,122,792</u>  |
| 12. Reactor Service Factor                  | <u>100.0</u>     | <u>100.0</u>     | <u>81.2</u>        |
| 13. Reactor Availability Factor             | <u>100.0</u>     | <u>100.0</u>     | <u>81.9</u>        |
| 14. Unit Service Factor                     | <u>100.0</u>     | <u>100.0</u>     | <u>80.1</u>        |
| 15. Unit Availability Factor                | <u>100.0</u>     | <u>100.0</u>     | <u>80.1</u>        |
| 16. Unit Capacity Factor (Using MDC)        | <u>57.7</u>      | <u>77.3</u>      | <u>76.9</u>        |
| 17. Unit Capacity Factor (Using Design MWe) | <u>55.9</u>      | <u>75.0</u>      | <u>74.3</u>        |
| 18. Unit Forced Outage Rate                 | <u>0.0</u>       | <u>0.0</u>       | <u>3.8</u>         |
19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of each): Refueling Outage on September 19, 1991 for 75 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 05-01-91COMPLETED BY M. WilliamsTELEPHONE 316-364-8831MONTH April, 1991DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	880
2	880
3	879
4	879
5	878
6	658
7	602
8	622
9	624
10	623
11	624
12	624
13	513
14	504
15	467
16	473

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	662
18	647
19	619
20	623
21	630
22	633
23	635
24	635
25	633
26	632
27	629
28	631
29	629
30	33
31	N/A

## UNIT SHUTDOWN AND POWER REDUCTIONS

DOCKET NO. 50-482  
 WOLF CREEK GENERATING STATION  
 WOLF CREEK NUCLEAR OPERATING CORPORATION  
 DATE 05-01-91  
 COMPLETED BY M. Williams  
 TELEPHONE 316-364-8831

REPORT MONTH April, 1991

No	Date	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
1	910405	S	0.0	F	5	Commenced power reduction at 2205 hours from 80% to 60% power for fuel conservation purposes.

**SUMMARY:** The unit operated continuously throughout the month of April, 1991. The only significant power reduction was commenced April 5, 1991 for fuel conservation purposes.

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 April, 1991

## 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>
April 1, 1991	0000 hours	Unit at 80% power.
April 5, 1991	2205 hours	Commence power decrease to 60% power for fuel conservation.
April 6, 1991	0800 hours	Unit at 60% power.
April 12, 1991	2300 hours	Commence power decrease to 50% power for fuel conservation.
April 13, 1991	0603 hours	Unit at 50% power.
April 15, 1991	1110 hours	Commenced power decrease to 46% for work on main turbine control valve AC FCV 47.
April 16, 1991	1600 hours	Control valve repairs complete, commenced power increase.
	2241 hours	Unit at 60% power.
April 30, 1991	2400 hours	Unit at 60% power.