

# WOLF CREEK

NUCLEAR OPERATING CORPORATION

Forrest T. Rhodes  
Vice President  
Engineering & Technical Services

June 11, 1991

ET 91-0103

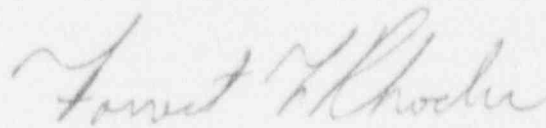
U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station P1-137  
Washington, D. C. 20555

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

Gentlemen:

Attached is the May, 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,



Forrest T. Rhodes  
Vice President  
Engineering & Technical Services

FTR/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: May YEAR: 1991

Docket No.: 50-482

Facility Operating License No.: NPF-42

Report No. 75

Prepared by:

Merlin G. Williams

## SUMMARY

The following report highlights the operating experience of Wolf Creek Generating Station for the month of May, 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 May 1991. The plant began the month at 60% power in support of fuel conservation activities for full power operation this summer. Power remained at or near 60% for the remainder of the month, with the exception of one power decrease required by Wolf Creek Technical Specifications and two power increases to full power.

A Notification of Unusual Event (NUE) was declared and a plant shutdown commenced May 12 at 2115 hours as a result of the failure of a 15V power supply in Engineered Safety Features Actuation System cabinet SA036D. However, the power supply was replaced and the NUE terminated before a total plant shutdown was achieved, reactor power being reduced to a low of 50% during the event.

Power was increased from 60% to 100% May 13 at the request of System Operations to meet grid demand. The unit remained at 100% until late May 17 when a power reduction to 60% was commenced for fuel conservation. In addition, a power increase to 100% was again initiated May 30 at 0528 hours at the request of System Operations, and power remained at or near 100% for the remainder of the month.

### II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

1. Replacement of instrument and service air compressor CKA01A in support of Plant Modification Request 2495.
2. Ongoing replacement of Balance of Plant (BOP) and Nuclear Steam Supply System (NSSS) computers in support of Plant Modification Request 1479.

## OPERATING DATA REPORT

DOCKET NO. 50-482  
 WOLF CREEK GENERATING STATION  
 WOLF CREEK NUCLEAR OPERATING CORPORATION  
 DATE 06-01-91  
 COMPLETED BY M. Williams  
 TELEPHONE 316-364-8831

## OPERATING STATUS

1. Reporting Period: May, 1991 Gross Hours in Reporting Period: 744
  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>744.0</u>     | <u>3,623.0</u>   | <u>41,018.5</u>    |
| 6. Reactor Reserve Shutdown Hours           | <u>0.0</u>       | <u>0.0</u>       | <u>339.8</u>       |
| 7. Hours Generator on Line                  | <u>744.0</u>     | <u>3,623.0</u>   | <u>40,446.8</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>1,692,964</u> | <u>9,372,222</u> | <u>131,437,247</u> |
| 10. Gross Electrical Energy Generated (MWH) | <u>566,701</u>   | <u>3,226,477</u> | <u>45,741,246</u>  |
| 11. Net Electrical Energy Generated (MWH)   | <u>532,892</u>   | <u>3,058,826</u> | <u>43,655,684</u>  |
| 12. Reactor Service Factor                  | <u>100.0</u>     | <u>100.0</u>     | <u>81.5</u>        |
| 13. Reactor Availability Factor             | <u>100.0</u>     | <u>100.0</u>     | <u>82.2</u>        |
| 14. Unit Service Factor                     | <u>100.0</u>     | <u>100.0</u>     | <u>80.4</u>        |
| 15. Unit Availability Factor                | <u>100.0</u>     | <u>100.0</u>     | <u>80.4</u>        |
| 16. Unit Capacity Factor (Using MDC)        | <u>63.1</u>      | <u>74.4</u>      | <u>76.7</u>        |
| 17. Unit Capacity Factor (Using Design MWe) | <u>61.2</u>      | <u>72.2</u>      | <u>74.1</u>        |
| 18. Unit Forced Outage Rate                 | <u>0.0</u>       | <u>0.0</u>       | <u>3.7</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 06-01-91COMPLETED BY M. WilliamsTELEPHONE 316-364-8831MONTH May, 1991DAY AVERAGE DAILY POWER LEVEL  
(Mwe-Net)

1	632
2	632
3	632
4	633
5	633
6	633
7	632
8	628
9	626
10	623
11	624
12	613
13	761
14	1078
15	1111
16	1124

DAY AVERAGE DAILY POWER LEVEL  
(Mwe-Net)

17	1123
18	764
19	629
20	628
21	623
22	622
23	623
24	622
25	621
26	619
27	618
2	616
29	614
30	774
31	1093

## UNIT SHUTDOWN AND POWER REDUCTIONS

DOCKET NO. 50-482  
 WOLF CREEK GENERATING STATION  
 WOLF CREEK NUCLEAR OPERATING CORPORATION  
 DATE 06-01-91  
 COMPLETED BY M. Williams  
 TELEPHONE 316-364-8831

REPORT MONTH May, 1991

No	Date	TYPE	DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED S: SCHEDULED				
2	910517	S	0.0	F	5	Commenced power reduction at 2225 hours from 100% to 60% power for fuel conservation purposes.

SUMMARY: The unit operated continuously throughout the month of May, 1991. The only significant power reduction was commenced May 17, 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 May, 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>
May 1, 1991	0000 hours	Unit at 60% power.
May 12, 1991	2115 hours	Notification of Unusual Event (NUE) declared as a result of failure of 15V power supply in Engineered Safety Features Actuation System cabinet SA036D. Commenced plant shutdown.
	2150 hours	Power supply replaced/tested, discontinued power decrease, unit at 50% power.
	2201 hours	Terminated NUE.
	2209 hours	Commenced power increase to 60% power.
May 13, 1991	0122 hours	Unit at 60% power.
	0758 hours	Commenced power increase to 100% per request of System Operations.
May 14, 1991	1313 hours	Unit at 100% power.
May 17, 1991	2225 hours	Commenced power decrease to 60% for fuel conservation.
May 18, 1991	1448 hours	Unit at 60% power.
May 30, 1991	0528 hours	Commenced power increase to 100% per request of System Operations.
May 31, 1991	2400 hours	Unit at 99% power.