

# WOLF CREEK

NUCLEAR OPERATING CORPORATION

Otto L. Maynard  
Vice President Plant Operations

April 12, 1993

WO 93-0075

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

Subject: Docket No. 50-482: March, 1993, Monthly  
Operating Report

Gentlemen:

Attached is the March, 1993, 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,



Otto L. Maynard  
Vice President  
Plant Operations

OLM/jan

Attachment

cc: W. D. Johnson (NRC), w/a  
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WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

MONTHLY OPERATING REPORT

MONTH: March YEAR: 1993

Docket No.: 50-482

Facility Operating License No.: NPF-42

Report No. 97

Prepared by:

Merlin G. Williams

## SUMMARY

The following report highlights the operating experience of Wolf Creek Generating Station for the month of March, 1993. This report is being provided pursuant to Technical Specification 6.9.1.8.

### I. SUMMARY OF OPERATING EXPERIENCE

The unit began the month at 100% power. A 3% per hour power decrease was initiated at 1400 hours March 3, 1993 to remove the unit from service for refueling. The main generator output breakers were opened at 2353 hours March 4, 1993 to officially commence Refuel VI.

### II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

Performed maintenance on 4160 Volt Bus NB02.

Performed maintenance on emergency diesel generator "B" thrust bearing and housing.

Performed maintenance on emergency diesel generator "B" shaft.

Performed maintenance on "A" RHR motor rotor.

Performed eddy current testing on "B" steam generator.

Performed work on power operated relief valves.

## OPERATING DATA REPORT

DOCKET NO. 50-482  
 WOLF CREEK GENERATING STATION  
 WOLF CREEK NUCLEAR OPERATING CORPORATION  
 DATE 04-01-93  
 COMPLETED BY M. Williams  
 TELEPHONE 316-364-8831

## OPERATING STATUS

1. Reporting Period: March, 1993 Gross Hours in Reporting Period: 744
  2. Currently Authorized Power Level(MWt): 1,111 Max. Depend. Capacity(MWe-Net): 1131  
 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>99.2</u>    | <u>1515.2</u>    | <u>52,817.8</u>    |
| 6. Reactor Reserve Shutdown Hours           | <u>0.0</u>     | <u>0.0</u>       | <u>339.8</u>       |
| 7. Hours Generator on Line                  | <u>95.9</u>    | <u>1511.9</u>    | <u>52,163.7</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>282,997</u> | <u>5,106,186</u> | <u>170,635,321</u> |
| 10. Gross Electrical Energy Generated (MWH) | <u>125,025</u> | <u>1,812,938</u> | <u>60,541,868</u>  |
| 11. Net Electrical Energy Generated (MWH)   | <u>82,681</u>  | <u>1,707,490</u> | <u>57,679,771</u>  |
| 12. Reactor Service Factor                  | <u>13.3</u>    | <u>70.1</u>      | <u>79.5</u>        |
| 13. Reactor Availability Factor             | <u>13.3</u>    | <u>70.1</u>      | <u>80.0</u>        |
| 14. Unit Service Factor                     | <u>12.9</u>    | <u>70.0</u>      | <u>78.6</u>        |
| 15. Unit Availability Factor                | <u>12.9</u>    | <u>70.0</u>      | <u>78.6</u>        |
| 16. Unit Capacity Factor (Using MDC)        | <u>9.8</u>     | <u>69.9</u>      | <u>76.8</u>        |
| 17. Unit Capacity Factor (Using Design MWe) | <u>9.5</u>     | <u>67.6</u>      | <u>74.2</u>        |
| 18. Unit Forced Outage Rate                 | <u>0.0</u>     | <u>0.0</u>       | <u>6.2</u>         |
19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of each): Refueling outage began March 5, 1993.
  20. If Shut Down at End of Report Period, Estimated Date of Startup: May 8, 1993.

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-482

WOLF CREEK GENERATING STATION

WOLF CREEK NUCLEAR OPERATING CORPORATION

DATE 04-01-93COMPLETED BY M. WilliamsTELEPHONE 316-364-8831MONTH March, 1993DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>1148</u>
2	<u>1149</u>
3	<u>1093</u>
4	<u>504</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

## UNIT SHUTDOWN AND POWER REDUCTIONS

DOCKET NO. 50-482  
 WOLF CREEK GENERATING STATION  
 WOLF CREEK NUCLEAR OPERATING CORPORATION  
 DATE 04-01-93  
 COMPLETED BY M. Williams  
 TELEPHONE 316-364-8831

REPORT MONTH March, 1993

No	Date	TYPE	DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED S: SCHEDULED				
1	930304	S	648.1	C	1	Commenced Refuel VI March 4, 1993 at 2353 hours.

**SUMMARY:** Commenced plant shutdown at 1400 hours March 3, 1993. Unit taken off line 2353 hours March 4, 1993 for refueling activities. Tentative startup date is May 8, 1993.

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 March, 1993

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>
March 1, 1993	0000 hours	Unit at 100 percent power.
March 4, 1993	2353 hours	Main generator output breakers open, commenced Refuel VI.
March 5, 1993	0103 hours	Unit entered Mode 2, startup.
March 5, 1993	0314 hours	Unit entered Mode 3, hot standby.
March 6, 1993	1022 hours	Unit entered Mode 4, hot shutdown.
March 7, 1993	0120 hours	Unit entered Mode 5, cold shutdown.
March 10, 1993	2300 hours	Unit entered Mode 6, refueling.
March 19, 1993	0325 hours	All fuel removed from the core.
March 31, 1993	2400 hours	All fuel removed from the core.