

WOLF CREEK

NUCLEAR OPERATING CORPORATION

John A. Bailey
Vice President
Nuclear Operations

April 13, 1990
NO 90-0113

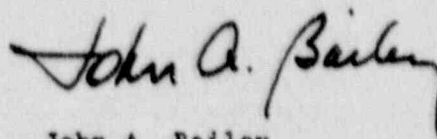
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-137
Washington, D. C. 20555

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

Gentlemen:

Attached is the March 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/jra

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: March YEAR: 1990

Docket No.: 50-482

Facility Operating License No.: NPF-42

Report No. 61

Prepared by:

Merlin G. Williams

SUMMARY

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

I. SUMMARY OF OPERATING EXPERIENCE

The unit began the month operating at approximately 96 percent power due to a tube leak on the number "2B" low-pressure feedwater heater. On March 02, 1990, at 1218 hours, the unit began to gradually decrease power due to fuel limitations (a "fuel coastdown") at a rate of approximately one percent per day. On March 08, 1990, at 2100 hours, the unit began a normal shutdown for refueling from approximately 90 percent power. The refueling outage began at 0027 hours on March 09, 1990, when the generator output breaker was opened. The unit remained shutdown for refueling for the remainder of the month.

II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

1. Main Steam safety valve test.
2. Fuel unloaded and inspected.
3. One fuel assembly reconstituted.
4. Rod Cluster Control Assemblies (RCCAs) removed and inspected.
5. Eddy current testing performed on Steam Generators "B" and "D".
6. Reactor Coolant Pump "C" seals replaced.
7. Sections of Essential Service Water systems piping replaced.
8. Repairs performed on Containment Cooler tube bundles.
9. 24-hour test run of Emergency Diesel Generators.

OPERATING DATA REPORT

DOCKET NO. 50-482
 WOLF CREEK GENERATING STATION
 WOLF CREEK NUCLEAR OPERATING CORPORATION
 DATE 04-01-90
 COMPLETED BY M. Williams
 TELEPHONE 316-364-8831

OPERATING STATUS

1. Reporting Period: March, 1990 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>192.7</u> | <u>1577.3</u> | <u>31,876.7</u> |
| 6. Reactor Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>339.8</u> |
| 7. Hours Generator on Line | <u>192.5</u> | <u>1554.7</u> | <u>31,341.8</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>599,723</u> | <u>5,152,108</u> | <u>103,629,363</u> |
| 10. Gross Electrical Energy Generated (MWH) | <u>206,265</u> | <u>1,796,240</u> | <u>36,075,187</u> |
| 11. Net Electrical Energy Generated (MWH) | <u>189,647</u> | <u>1,718,523</u> | <u>34,440,894</u> |
| 12. Reactor Service Factor | <u>25.9</u> | <u>73.0</u> | <u>79.5</u> |
| 13. Reactor Availability Factor | <u>25.9</u> | <u>73.0</u> | <u>80.3</u> |
| 14. Unit Service Factor | <u>25.9</u> | <u>72.0</u> | <u>78.2</u> |
| 15. Unit Availability Factor | <u>25.9</u> | <u>72.0</u> | <u>78.2</u> |
| 16. Unit Capacity Factor (Using MDC) | <u>22.5</u> | <u>70.1</u> | <u>76.0</u> |
| 17. Unit Capacity Factor (Using Design MWe) | <u>21.8</u> | <u>68.0</u> | <u>73.4</u> |
| 18. Unit Forced Outage Rate | <u>0.0</u> | <u>3.3</u> | <u>4.5</u> |
| 19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of each): | <u>N/A</u> | | |
| 20. If Shut Down at End of Report Period, Estimated Date of Startup: | <u>05/07/90</u> | | |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-482

WOLF CREEK GENERATING STATION

WOLF CREEK NUCLEAR OPERATING CORPORATION

DATE 04-01-90

COMPLETED BY M. Williams

TELEPHONE 316-364-8831

MONTH March, 1990

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1074</u>
2	<u>1067</u>
3	<u>1050</u>
4	<u>1036</u>
5	<u>1024</u>
6	<u>1020</u>
7	<u>1014</u>
8	<u>964</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 04-01-90
 COMPLETED BY M. Williams
 TELEPHONE 316-364-8831

REPORT MONTH March, 1990

No	Date	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
2	900309	S	551.55	C	1	Scheduled refueling outage.

SUMMARY: The unit began to gradually decrease power due to fuel limitations on March 02, 1990. The unit began a normal shutdown for refueling on March 08, 1990. The generator output breaker was opened at 0027 hours on March 09, 1990. The unit was shutdown for refueling 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
 March 1990
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Attachment to NO 90-0113

WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

UNIT NO. 1

MONTH March, 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>
March 01, 1990	0000 hours	Unit at 96% power.
March 02, 1990	1218 hours	Began fuel coastdown at approximately 1% per day.
March 08, 1990	2100 hours	Began normal power reduction from approximately 90% power.
March 09, 1990	0027 hours	Opened generator output breaker - beginning of refueling outage.
	0029 hours	Entered Mode 2 - Startup.
	0044 hours	Entered Mode 3 - Hot Standby.
	2125 hours	Entered Mode 4 - Hot Shutdown.
March 10, 1990	0749 hours	Entered Mode 5 - Cold Shutdown.
March 17, 1990	0149 hours	Entered Mode 6 - Refueling. Reactor Vessel head studs detensioned.
March 31, 1990	2400 hours	Continuation of Refueling Outage activities.