

WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

MONTHLY OPERATING REPORT

MONTH: December YEAR: 1987

Docket No.: 50-482

Facility Operating License No.: NPF-42

Report No. 34

Prepared by:

Merlin G. Williams

The following report highlights the operating experience of Wolf Creek Generating Station for the month of December, 1987. This report is being provided pursuant to Technical Specification 6.9.1.8.

I. SUMMARY OF OPERATING EXPERIENCE

The unit remained in a refueling outage throughout the month. At the end of December, 1987, the unit was in Mode 2, Startup.

II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

1. Replaced 544 Raychem splices on instrument wires.
2. Reworked 38 Valcor valve operators.
3. Replaced nine cards and two relays in the Solid State Protection System.
4. Replaced the o-rings in 17 Conax connectors.
5. Replaced a speed switch in the "A" Diesel Generator.
6. Replaced a log current amplifier in the nuclear instrumentation.
7. Replaced a power supply in the "A" Load Sequencer.
8. Replaced a Reactor Coolant System pressure transmitter.
9. Repaired the governor and manual voltage regulator on "A" Diesel Generator.
10. Repaired the automatic voltage regulator on "B" Diesel Generator.
11. Rebuilt the "B" Diesel Generator keep warm pump.
12. Replaced the "B" Reactor Coolant Pump number one seal.
13. Replaced the internals on two Safety Injection accumulator check valves.
14. Replaced the trip mechanism shafts on the Reactor Trip Breakers.

OPERATING DATA REPORT

DOCKET NO. 50-482  
WOLF CREEK GENERATING STATION  
WOLF CREEK NUCLEAR OPERATING CORPORATION  
DATE 01-01-88  
COMPLETED BY M. Williams  
TELEPHONE 216-364-8831

OPERATING STATUS

1. Reporting Period: December, 1987 Gross Hours in Reporting Period: 744
2. Currently Authorized Power Level (MWt): 3411 Max. Depend. Capacity (MWe-Net): 1128  
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
5. Number of Hours Reactor was Critical
6. Reactor Reserve Shutdown Hours
7. Hours Generator on Line
8. Unit Reserve Shutdown Hours
9. Gross Thermal Energy Generated (MWH)
10. Gross Electrical Energy Generated (MWH)
11. Net Electrical Energy Generated (MWH)
12. Reactor Service Factor
13. Reactor Availability Factor
14. Unit Service Factor
15. Unit Availability Factor
16. Unit Capacity Factor (Using MDC)
17. Unit Capacity Factor (Using Design MWe)
18. Unit Forced Outage Rate
19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of each):  
None.
20. If Shut Down at End of Report Period, Estimated Date of Startup: 01-05-88

	This Month	Yr to Date	Cumulative
5. Number of Hours Reactor was Critical	<u>0.0</u>	<u>6152.6</u>	<u>15466.5</u>
6. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>79.1</u>	<u>250.3</u>
7. Hours Generator on Line	<u>0.0</u>	<u>6013.0</u>	<u>15203.1</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>0</u>	<u>19,681,012</u>	<u>49,426,354</u>
10. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>6,822,521</u>	<u>17,188,891</u>
11. Net Electrical Energy Generated (MWH)	<u>0</u>	<u>6,471,177</u>	<u>16,370,466</u>
12. Reactor Service Factor	<u>0.0</u>	<u>70.2</u>	<u>75.8</u>
13. Reactor Availability Factor	<u>0.0</u>	<u>71.1</u>	<u>77.0</u>
14. Unit Service Factor	<u>0.0</u>	<u>68.6</u>	<u>74.5</u>
15. Unit Availability Factor	<u>0.0</u>	<u>68.6</u>	<u>74.5</u>
16. Unit Capacity Factor (Using MDC)	<u>0.0</u>	<u>65.5</u>	<u>71.1</u>
17. Unit Capacity Factor (Using Design MWe)	<u>0.0</u>	<u>63.1</u>	<u>68.6</u>
18. Unit Forced Outage Rate	<u>0.0</u>	<u>5.2</u>	<u>4.7</u>

AVERAGE DAILY UNIT POWER LEVEL

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TELEPHONE 316-364-8831

MONTH December, 1987

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</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

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WOLF CREEK NUCLEAR OPERATING CORPORATION  
DATE 01-01-88  
COMPLETED BY M. Williams  
TELEPHONE 316-364-8831

REPORT MONTH December, 1987

No	Date	TYPE	DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED S: SCHEDULED				
15	871201	S	744	C	4	Refueling outage.

**SUMMARY:** The unit remained in a refueling outage throughout the month.

- (1) REASON: A: EQUIPMENT FAILURE (EXPLAIN)    E: OPERATOR TRAINING AND LICENSE EXAMINATION  
          B: MAINTENANCE OR TEST            F: ADMINISTRATIVE  
          C: REFUELING                        G: OPERATIONAL ERROR (EXPLAIN)  
          D: REGULATORY RESTRICTION        H: OTHER (EXPLAIN)
- (2) METHOD: 1. MANUAL  
            2. MANUAL SCRAM  
            3. AUTOMATIC SCRAM  
            4. OTHER (EXPLAIN)

WOLF CREEK NUCLEAR OPERATING CORPORATION

WOLF CREEK GENERATING STATION

UNIT NO. 1

MONTH December, 1987

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>
December 01, 1987	0000	Unit in Mode 6, Refueling.
December 07, 1987	1527	Unit in Mode 5, Cold Shutdown.
December 23, 1987	1706	Unit in Mode 4, Hot Shutdown.
December 26, 1987	0852	Unit in Mode 3, Hot Standby.
December 31, 1987	1748	Unit in Mode 2, Startup.

# WOLF CREEK

NUCLEAR OPERATING CORPORATION

Bart D. Withers  
President and  
Chief Executive Officer

January 15, 1988

WM 88-0011

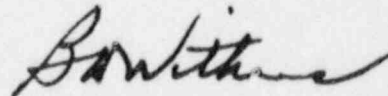
U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555

Subject: Docket No. 50-482: December, 1987, Monthly  
Operating Report

Gentlemen:

Attached is the December, 1987, 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,



Bart D. Withers  
President and  
Chief Executive Officer

BDW/llk

Attachment

cc: B. L. Bartlett (NRC), w/a  
R. D. Martin (NRC), w/a  
P. W. O'Connor (NRC), 2 w/a

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