

WOLF CREEK GENERATING STATION

MONTHLY OPERATING REPORT

MONTH: September YEAR: 1985

Docket No.: STN 50-482

Facility Operating License No.: NPF-42

Report No. 7

Submitted by:

Kansas Gas and Electric Company

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The following report highlights the operating experience of Wolf Creek Generating Station for the month of September, 1985. This report is being provided pursuant to Technical Specification 6.9.1.8.

I. SUMMARY OF OPERATING EXPERIENCE

On September 3, 1985, Wolf Creek Generating Station was declared available for commercial operation. Since that time, two unplanned unit trips have occurred due to equipment malfunctions. The first Turbine/Reactor trip occurred due to Electro-Hydraulic Control system problems, and the second occurred due to a failed controller card for a Main Feedwater Control Valve.

On September 27, 1985, an auto Turbine Runback from 100 percent power occurred due to a stator water temperature control valve malfunction. The unit was stabilized at approximately 20 percent power, and later returned to full power operation.

II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

The major safety related maintenance performed during the month of September was the rebuild and reinstallation of the relief valve for the positive displacement pump. The application of a freeze seal in the line the valve is mounted on was required to accomplish this work.

III. CHANGES, TESTS, AND EXPERIMENTS

The following is a brief description of safety evaluations performed pursuant to 10 CFR 50.59 on changes, tests, and experiments during the month of September.

1. Temporary Modification 85-SE-92 - Installation of a jumper across a contact point on relay 1XEF33 to allow the circuit to perform its design function by starting Essential Service Water pump "A". The relay is an interposing relay which permits the circuit breaker to close on a Load Sequence or Auxiliary Feedwater Loss of Suction Pressure signal. No unreviewed safety or environmental questions are generated as a result of this temporary change.
2. Temporary Modification 85-SE-93 - Originated to return the Auxiliary Feedwater Pump discharge control valve, AL-HV-9, to service with damage to the terminal block on the circuit board. The damage consists of a broken flash guard between two terminals, one of which is not used, and a hairline crack across one terminal point, but there is no potential for arcing. No unreviewed safety or environmental questions are generated as a result of this temporary change.
3. Temporary Modification 85-SE-94 - Originated to fabricate a hot tool room in the Auxiliary Building at elevation 1974'. The room panels present no seismic concerns and no essential equipment is endangered by the panels. No unreviewed safety or environmental questions are generated as a result of this temporary change.

4. Temporary Modification 85-SE-95 - Originated to allow trained personnel other than the Shift Supervisor, or his designee, to implement the Ignition Source Permit system. No unreviewed safety or environmental questions are generated as a result of this temporary change.
5. Temporary Modification 85-SE-97 - Installation of temporary clamp and addition of sealing compound to the hand hole flanges of AE-FE-510 and 520, Main Feedwater system flow venturies. No unreviewed safety or environmental questions are generated as a result of this temporary change.
6. Temporary Modification 85-SE-99 - Originated to establish a temporary flowpath from the recycle evaporator concentrates discharge to the spent fuel pool to allow boration evolutions of the spent fuel pool while the transfer canal is dry and isolated from the spent fuel pool by the spent fuel pool gate. The flow path was established so as to minimize any potential siphoning effects and is to be removed prior to placement of any fuel within the spent fuel pool. No unreviewed safety or environmental questions are generated as a result of this temporary change.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. STN 50-482
WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC COMPANY
DATE 10-01-85
COMPLETED BY M. Williams
TELEPHONE 316-364-8831

MONTH September, 1985

DAY AVERAGE DAILY POWER LEVEL (MWe-Net)		DAY AVERAGE DAILY POWER LEVEL (MWe-Net)	
1	<u>0</u>	17	<u>1137</u>
2	<u>0</u>	18	<u>1121</u>
3	<u>277</u>	19	<u>1133</u>
4	<u>927</u>	20	<u>1132</u>
5	<u>470</u>	21	<u>1131</u>
6	<u>823</u>	22	<u>1126</u>
7	<u>1093</u>	23	<u>215</u>
8	<u>1103</u>	24	<u>905</u>
9	<u>1100</u>	25	<u>1125</u>
10	<u>1097</u>	26	<u>1133</u>
11	<u>1098</u>	27	<u>884</u>
12	<u>1098</u>	28	<u>1132</u>
13	<u>1100</u>	29	<u>1133</u>
14	<u>1105</u>	30	<u>1131</u>
15	<u>1121</u>	31	<u>N/A</u>
16	<u>1121</u>		

OPERATING DATA REPORT

DOCKET NO. SIN 50-482
WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC COMPANY
DATE 10-01-85
COMPLETED BY M. Williams
TELEPHONE 316-364-8831

OPERATING STATUS

1. Reporting Period: September 3-30, 1985 Gross Hours in Reporting Period: 670.8
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

	This Month	Yr to Date	Cumulative
5. Number of Hours Reactor was Critical	<u>651.0</u>	<u>651.0</u>	<u>651.0</u>
6. Reactor Reserve Shutdown Hours	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>
7. Hours Generator on Line	<u>641.7</u>	<u>641.7</u>	<u>641.7</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>2,053,023</u>	<u>2,053,023</u>	<u>2,053,023</u>
10. Gross Electrical Energy Generated (MWH)	<u>700,837</u>	<u>700,837</u>	<u>700,837</u>
11. Net Electrical Energy Generated (MWH)	<u>670,451</u>	<u>670,451</u>	<u>670,451</u>
12. Reactor Service Factor	<u>97.0</u>	<u>97.0</u>	<u>97.0</u>
13. Reactor Availability Factor	<u>98.4</u>	<u>98.4</u>	<u>98.4</u>
14. Unit Service Factor	<u>95.7</u>	<u>95.7</u>	<u>95.7</u>
15. Unit Availability Factor	<u>95.7</u>	<u>95.7</u>	<u>95.7</u>
16. Unit Capacity Factor (Using MDC)	<u>88.6</u>	<u>88.6</u>	<u>88.6</u>
17. Unit Capacity Factor (Using Design MWe)	<u>85.4</u>	<u>85.4</u>	<u>85.4</u>
18. Unit Forced Outage Rate	<u>4.3</u>	<u>4.3</u>	<u>4.3</u>
	Forecast	Achieved	
Initial Criticality	<u>5-22-85</u>	<u>5-22-85</u>	
Initial Electricity	<u>6-13-85</u>	<u>6-12-85</u>	
Commercial Operation	<u>9-09-85</u>	<u>9-03-85</u>	

UNIT SHUTDOWN AND POWER REDUCTIONS

DOCKET NO. STN 50-482
 WOLF CREEK GENERATING STATION
 KANSAS GAS AND ELECTRIC COMPANY
 DATE 10-01-85
 COMPLETED BY M. Williams
 TELEPHONE 316-364-8831

REPORT MONTH September, 1985

No	Date	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
16	850901	S	49.2	B	4	Unit has been shutdown since August 28, 1985, following a full power trip initiated per the Power Ascension Testing Program. One Reactor trip occurred during this shutdown (Licensee Event Report 85-064-00).
17	850905	F	12.1	A	3	Turbine/Reactor trip due to low Electro-Hydraulic Control (EHC) system fluid pressure, due to a faulty relief valve and drifting pressure switch settings (Licensee Event Report 85-065-00).
18	850923	F	16.9	A	3	Turbine/Reactor trip due to Lo Lo Steam Generator level due to a failure of a controller card for the Main Feedwater Control Valve for that Steam Generator (Licensee Event Report 85-067-00).
19	850927	F	0.0	A	4	While at full power, auto Turbine runback occurred due to high water temperature in the stator cooling system. Generator output stabilized at 20% load. Cause of high high temperature was controller failure of a temperature control valve.

SUMMARY: Wolf Creek Generating Station was declared available for commercial operation on September 3, 1985. The data provided in the Operating Data Report has been computed based on the date of commercial operation as a starting point.

(1) REASON: A: EQUIPMENT FAILURE (EXPLAIN)
 B: MAINTENANCE OR TEST
 C: REFUELING
 D: REGULATORY RESTRICTION

E: OPERATOR TRAINING AND LICENSE EXAMINATION
 F: ADMINISTRATIVE
 G: OPERATIONAL ERROR (EXPLAIN)
 H: OTHER (EXPLAIN)

(2) METHOD: 1. MANUAL
 2. MANUAL SCRAM
 3. AUTOMATIC SCRAM
 4. OTHER (EXPLAIN)

KANSAS GAS AND ELECTRIC COMPANY

WOLF CREEK GENERATING STATION

UNIT NO. 1

MONTH September, 1985

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>
September 1, 1985	0000	Plant in Mode 3.
September 2, 1985	0040	Control Room Ventilation Isolation Signal (CRVIS) occurred due to a fiber optic lamp failure in a Control Room Chlorine Monitor. Reportable per 10 CFR 50.72 and 50.73.
	1848	Commenced Reactor startup. Entered Mode 2.
	2056	Entered Mode 1.
	2100	Reactor trip occurred due to low-low Steam Generator level resulting from the use of unpreheated feedwater. Entered Mode 3. Reportable per 10 CFR 50.72 and 50.73.
	2232	Commenced Reactor startup. Entered Mode 2.
September 3, 1985	0004	Entered Mode 1.
	0114	Synchronized to the grid. Declared the unit available for commercial operation.
September 5, 1985	1022	Reactor trip occurred due to Turbine trip resulting from low Electro-Hydraulic Control system oil pressure. Entered Mode 3. Reportable per 10 CFR 50.72 and 50.73.
	1508	Commenced Reactor startup. Entered Mode 2.
	1545	Reentered Mode 3 due to not achieving criticality at predicted control rod position.
	1854	Commenced Reactor startup. Entered Mode 2.
	2046	Entered Mode 1.
	2230	Synchronized to the grid.

<u>DATE</u>	<u>TIME</u>	<u>EVENT</u>
September 14, 1985	1338	CPVIS occurred due to paper tape breakage on a Control Room Chlorine Monitor. Reportable per 10 CFR 50.72 and 50.73.
September 23, 1985	0350	Reactor trip occurred due to low-low Steam Generator level resulting from a failed automatic controller card for a feedwater control valve. Entered Mode 3. Reportable per 10 CFR 50.72 and 50.73.
	1412	Commenced Reactor startup. Entered Mode 2.
	1953	Entered Mode 1.
	2045	Synchronized to the grid.
September 27, 1985	0818	A Turbine runback to approximately 200 MWe occurred due to stator water temperature control valve regulator malfunction.



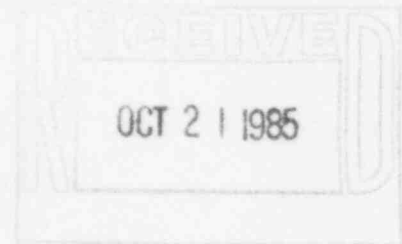
KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

October 15, 1985

Director, Office of Resource Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. R.P. Denise, Director
Division of Reactor Safety and Projects
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011



KMLNRC 85-234
Re: Docket No. STN 50-482
Subj: September, 1985 Monthly Operating Report

Gentlemen:

Enclosed is the September, 1985 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.

Yours very truly,

Glenn L. Koester
Vice President, Nuclear

GLK:see

cc: PO'Connor (2), w/a
JTaylor (12), w/a
JCummins, w/a

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