WOLF CREEK GENERATING STATION

MONTHLY OPERATING REPORT

MONTH: September YEAR: 1986

Docket No.: STN 50-482

Facility Operating License No.: NPF-42

Report No. 19

Submitted by:

Kansas Gas and Electric Company

IE24
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The following report highlights the operating experience of Wolf Creek Generating Station for the month of September, 1986. This report is being provided pursuant to Technical Specification 6.9.1.8.

I. SUMMARY OF OPERATING EXPERIENCE

The plant operated in Mode 1, Power Operation throughout the month of September. No significant forced power reductions occurred in September.

II. MAJOR SAFETY RELATED MAINTENANCE ACTIVITIES

Major safety related maintenance activities include the replacement of the actuator on the Control Room Air Conditioning Unit valve GKV765, commencement of MOVATS testing of Auxiliary Feedwater valve Limitorque operators, replacement of a Solid State Protection System universal logic card and replacement of NF039A power supply.

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. Safety Evaluation 86-SE-92, Revision 1 - Originated to restrict movement of equipment thru the temporary personnel access route thru Room 1403 during the refueling outage. No unreviewed safety or environmental questions are generated as a result of this revision to a temporary modification.

2. Safety Evaluation 86-SE-97 - Originated to change the computer setpoints to comply with Amendment No. 1 to the WCGS Technical Specification which allowed Power Distribution Control by a methodology called Relaxed Axial Offset Control. No unreviewed safety or environmental questions are generated as a result of this computer setpoint change.

3. Safety Evaluation 86-SE-116 - Originated to temporarily install a skid mounted air compressor to supply the service and/or instrument air systems. No unreviewed safety or environmental questions are generated as a result of this temporary modification.

4. Safety Evaluation 86-SE-117 - Originated to defeat blowdown and sample isolation caused by spurious alarms on process radiation monitor BM-RE-52, since blowdown flow is not being routed thru the discharge path monitored by BM-RE-52. No unreviewed safety or environmental questions are generated as a result of this temporary modification.

5. Safety Evaluation 86-SE-118 - Originated to temporarily fill the electro-hydraulic actuator for valve GKV765 in the Control Room air conditioning unit with commercial grade hydraulic oil SCH824 manufactured by Mobil Oil Co. No unreviewed safety or environmental questions are generated as a result of this temporary modification.

6. Safety Evaluation 86-SE-119 - Originated to temporarily encapsulate a non-safety related 1 inch drain line on the main steam line piping down stream of the Main Steam Isolation Valves. No unreviewed safety or environmental quesitons are generated as a result of this temporary modification.

7. Safety Evaluation 86-SE-123 - Originated to temporarily provide power to process radiation monitor BM-RE-52 from a convenience outlet to determine if its normal power is the cause of its spurious alarms. (See Safety Evaluation 86-SE-117). No unreviewed safety or environmental questions are generated as a result of this temporary modification.

8. Safety Evaluation 86-SE-124 - Originated to temporarily install an isolation transformer in the power supply line to process radiation monitor BM-RE-52 and its normal power supply from breaker PG17LBF315. (See Safety Evaluations 86-SE-117 and 86-SE-123). No unreviewed safety or environmental questions are generated as a result of this temporary modification.

9. Safety Evaluation 86-SE-125 - Originated to temporarily provide power to process radiation monitor BM-RE-52 from a convenience outlet. Fluctuations in its normal power supply are causing spurious alarms. An attempt to filter these fluctuations with an isolation transformer (See Safety Evaluation 86-SE-124) was unsuccessful. No unreviewed safety or environmental questions are generated as a result of this temporary modification.

10. Safety Evaluation 86-SE-127 - Originated to temporarily install a commercial grade electric hot water heater which could be valved into the domestic water system to supply showers and sinks in the Health Physics area upon loss of normal hot water. No unreviewed safety or environmental questions are generated as a result of this temporary modification.

11. Plant Modification Request 01722 - Originated to verify and/or modify the motor operated valve switch settings . No unreviewed safety or environmental questions are generated as a result of this plant modification.

12. Plant Modification Request 01754 - Originated to remove the special instrumentation that was built into Steam Generator "D". No unreviewed safety or environmental questions are generated as a result of this plant modification.

13. Plant Modification Request 01793 - Originated to replace the failed actuator on Control Room air conditioning unit valve GKV765 with one having a different model number. No unreviewed safety or environmental questions are generated as a result of this plant modification.

14. Safety Evaluation 86-SE-130 - Originated to temporarily install porous disk snubbers in the instrument lines on the emergency diesel engines jacket water pump and intercooler pump. No unreviewed safety or environmental questions are generated as a result of this temporary modification.

OPERATING DATA REPORT

DOCKET NO. STN 50-482
WOLF CREEK GENERATING STATION
KANSAS GAS AND ELECTRIC COMPANY
DATE 10-01-86
COMPLETED BY M. Williams
TELEPHONE 316-364-8831

OPERATING STATUS

1. Reporting Period: September, 1986 Gross Hours in Reporting Period: 720
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	720.0	5853.6	8643.9
6. Reactor Reserve Shutdown Hours	0.0	92.5	171.3
7. Hours Generator on Line	720.0	5816.4	8588.0
8. Unit Reserve Shutdown Hours	0.0	0.0	0.0
9. Gross Thermal Energy Generated (MWH)	2,406,802	19,000,635	27,875,568
10. Gross Electrical Energy Generated (MWH)	848,342	6,641,230	9,712,320
11. Net Electrical Energy Generated (MWH)	815,347	6,354,875	9,296,975
12. Reactor Service Factor	100.0	89.4	91.7
13. Reactor Availability Factor	100.0	90.8	93.5
14. Unit Service Factor	100.0	88.8	91.1
15. Unit Availability Factor	100.0	88.8	91.1
16. Unit Capacity Factor (Using MDC)	100.4	86.0	87.4
17. Unit Capacity Factor (Using Design MWe)	96.8	82.9	84.3
18. Unit Forced Outage Rate	0.0	4.8	4.4

19. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of each):
    Refueling Outage, currently scheduled to start on October 16, 1986, approximate duration is 55 days.
20. If Shut Down at End of Report Period, Estimated Date of Startup: N/A
21. Units in test Status (Prior to Commercial Operation):

	Forecast	Achieved
Initial Criticality	5-22-85	5-22-85
Initial Electricity	6-13-85	6-12-85
Commercial Operation	9-09-85	9-03-85

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. STN 50-482
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KANSAS GAS AND ELECTRIC COMPANY
DATE 10-01-86
COMPLETED BY M. Williams
TELEPHONE 316-364-8831

MONTH September, 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1143	17	1142
2	1141	18	1139
3	1142	19	1131
4	1140	20	1131
5	1139	21	1138
6	1141	22	1136
7	965	23	1119
8	1074	24	1121
9	1137	25	1140
10	1141	26	1140
11	1142	27	1142
12	1142	28	1141
13	1143	29	1142
14	1143	30	1144
15	1143	31	N/A
16	1142		

UNIT SHUTDOWN AND POWER REDUCTIONS

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KANSAS GAS AND ELECTRIC COMPANY
DATE 10-01-86
COMPLETED BY M. Williams
TELEPHONE 316-364-8831

REPORT MONTH September, 1986

No	Date	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS

SUMMARY: During the month of September, 1986, the unit operated in Mode 1, Power Operation, near 100 percent power. No significant load reductions occurred this month.

(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, 1986

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.

DATE	TIME	EVENT
September 1, 1986	0000	Unit in Mode 1, Power Operation
September 7, 1986	0507	Commenced a load reduction to approximately 80 percent power per load dispatcher's request.
September 8, 1986	0530	Commenced power increase to approximately 100 percent reactor power.

KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

October 10, 1986

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

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

KMLNRC 86-185
Re: Docket No. STN 50-482
Subj: September, 1986 Monthly Operating Report

Gentlemen:

Enclosed is the September, 1986 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

Enclosure

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

86-1167

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