

WOLF CREEK GENERATING STATION

MONTHLY OPERATING REPORT

MONTH: June YEAR: 1985

Docket No.: STN 50-482

Facility Operating License No.: NPF-42

Report No. 4

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 June, 1985. This report is being provided pursuant to Technical Specification 6.9.1.8.

#### I. OPERATING EXPERIENCE

On June 4, 1985, full power operating license NPF-42 was issued for the Wolf Creek Generating Station. The initial entry into Mode 1, Power Operation, was made on June 6, 1985, at approximately 2222 CDT, and the initial synchronization of the unit with the grid occurred on June 12, 1985, at approximately 1900 CDT.

During the month of June, testing was completed at the 20 percent and the 30 percent power plateaus. On June 29, 1985, the reactor was successfully shut down from the Auxiliary Shutdown Panel.

#### II. MAJOR SAFETY RELATED MAINTENANCE

The major safety related activity performed during the month of June was work on the Main Steamline Isolation Valves and replacement of some of the associated 4-way solenoid valves to resolve problems.

In addition, work has been performed on several miscellaneous valves and flanges to eliminate leakage.

#### 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 June.

1. Temporary Modification 85-SE-26 - Install scaffolding around recycle evaporator skid SHE02 on 2000' elevation of radwaste building. No unreviewed safety or environmental questions are generated as a result of this temporary change.
2. Temporary Modification 85-SE-23 - Install union connections to facilitate disassembly of the drain gas traps, FHA02 and FHA03, coming off the waste gas compressors and off the catalytic hydrogen recombiners. No unreviewed safety or environmental questions are generated as a result of this temporary change.
3. Temporary Modification 85-SE-24 - Install a manual isolation valve upstream of a check valve in the Gaseous Radwaste System to allow discharge of gas decay tanks while maintaining nitrogen supply to the gas analyzer racks. No unreviewed safety or environmental questions are generated as a result of this temporary change.
4. Temporary Modification 85-SE-25 - Install scaffolding on the Essential Service Water house on the 2013' elevation. No unreviewed safety or environmental questions are generated as a result of this temporary change.

5. Temporary Modification 85-SE-27 - Install mechanical jumpers in place of solenoid valves AB-UY038B and AB-UY044C which permit operation of steam dump valves AB-UV038 and AB-UV044 until the solenoid valves can be replaced. This change does constitute a change to the FSAR, however no unreviewed safety or environmental questions are generated as a result of this temporary change.
6. Temporary Procedure Change 85-SE-28 - Change the "Hot Standby to Cold Shutdown" procedure, GEN 00-006, Rev. 6, step 4.13 to manually isolate steam dump valves AB-UV038 and AB-UV044 until solenoid valves AB-UY038B and AB-UY044C are replaced. This permits "as-designed" operation. No unreviewed safety or environmental questions are generated as a result of this temporary change.
7. Temporary Procedure Change 85-SE-30 - Change the "Power Operation" procedure, GEN 00-004, Rev. 2, to limit reactor power to < 30% until solenoid valves AB-UY038B and AB-UY044C are replaced on steam dump valves AB-UV038 and AB-UV044. This permits rejection of all load without a reactor trip. No unreviewed safety or environmental questions are generated as a result of this temporary change.
8. Temporary Modification 85-SE-29 - Install pressure instrumentation at existing pressure points to monitor feedwater heater performance. Instrumentation added downstream of existing isolation valves. No unreviewed safety or environmental questions are generated as a result of this temporary change.
9. Temporary Modification 85-SE-31 - Install scaffolding in the Access Control Area of the Radiological Control Area. No unreviewed safety or environmental questions are generated as a result of this temporary change.
10. Temporary Modification 85-SE-32 - Install scaffolding in Auxiliary Building area 5. Due to close proximity of Main Steamline Isolation Valves' actuators and main steam safety valves and potential for damage to same in event of scaffolding collapse, restricted installation to Modes 4, 5, and 6. No unreviewed safety or environmental questions are generated as a result of this temporary change.
11. Temporary Procedure Change MA 85-SE-33 - Change in procedure SIS-IC-925, "Containment Coolers Flow Rate Verification", to allow use of essential service water pumps rather than normal service water, allow collection of additional data and provide a caution for personnel performing test. No unreviewed safety or environmental questions are generated as a result of this temporary change.
12. Temporary Modification 85-SE-34 - Install scaffolding in the Fuel Building rail bay area to facilitate performance of a surveillance test. No unreviewed safety or environmental questions are generated as a result of this temporary change.

13. Temporary Modification 85-SE-35 - Install scaffolding in the Auxiliary Building on the 2047' elevation. No unreviewed safety or environmental questions are generated as a result of this temporary change.
14. Temporary Modification 85-SE-36 - Install scaffolding in the Auxiliary Building on the 1988' elevation in the pipe chase area. No unreviewed safety or environmental questions are generated as a result of this temporary change.
15. Temporary Modification 85-SE-37 - Install scaffolding in Auxiliary Building, area 5, to facilitate the installation of a filter over an exhaust duct in . . . No unreviewed safety or environmental questions are generated as a result of this temporary change.
16. Temporary Modification 85-SE-38 - Install a clear 3/8" tubing to read level in the boron recycle holdup tank, THE02B, until a replacement level transmitter is obtained for HE LT-262. No unreviewed safety or environmental questions are generated as a result of this temporary change.
17. Temporary Modification 85-SE-39/Revision 1 - Install two temporary fire retardant plastic walls with lumber frames containing two 48" exhaust fans in each wall in the Auxiliary Building, area 5, on the 2090' elevation and situated on a concrete slab. The security door will be opened for ventilation and a full time security watch established while door is open. No unreviewed safety or environmental questions are generated as a result of this temporary change.
18. Temporary Modification 85-SE-40 - Install scaffolding in the Auxiliary Building on the 2047' elevation near the containment purge radioactive gaseous effluent radiation monitor GT-RE-22 to facilitate rework of damper GL-D-172. No unreviewed safety or environmental questions are generated as a result of this temporary change.
19. Temporary Modification 85-SE-41 - Install scaffolding in the Auxiliary Building on the 2047' elevation near containment purge radioactive gaseous effluent radiation monitor GT-RE-22 to facilitate rework of damper GT-D-014. No unreviewed safety or environmental questions are generated as a result of this temporary change.
20. Temporary Modification 85-SE-42 - Install scaffolding in the Auxiliary Building on the 2047' elevation to facilitate rework of damper GL-D-174. No unreviewed safety or environmental questions are generated as a result of this temporary change.
21. Temporary Modification 85-SE-43 - Install scaffolding in the Auxiliary Building outside of stairwell #11275 on the 2047' elevation to facilitate rework of damper GF-D-088. No unreviewed safety or environmental questions are generated as a result of this temporary change.

22. Temporary Modification 85-SE-44 - Install scaffolding in the Fuel Building general floor area #6301 in front of door #63031 on the 2047' elevation to facilitate rework of damper GG-D-062. No unreviewed safety or environmental questions are generated as a result of this temporary change.
23. Plant Modification Request W082-KC015-(85-SE-45) - Installation of pipe unions in the wet pipe sprinkler system trim piping in the Fire Protection System to accommodate maintenance activities. No unreviewed safety or environmental questions are generated as a result of this change.
24. Temporary Modification 85-SE-46 - Install scaffolding in the Auxiliary Building, area 5, on the 2026' elevation to facilitate cleaning. No unreviewed safety or environmental questions are generated as a result of this temporary change.
25. Temporary Modification 85-SE-47 - Install scaffolding in the Auxiliary Building on the 2047' elevation in front of fire door #11273 in the stairwell landing to facilitate rework of damper GF-D-087. No unreviewed safety or environmental questions are generated as a result of this temporary change.
26. Temporary Modification 85-SE-48 - Install scaffolding in the Auxiliary Building on the 2047' elevation near radiation monitor GT-RE-31 and over penetration #99 to facilitate rework of damper GL-D-173. No unreviewed safety or environmental questions are generated as a result of this temporary change.
27. Temporary Modification 85-SE-49 - Install scaffolding in the Auxiliary Building on 2026' elevation in the electrical penetration room to facilitate work on damper GF-D-06<sup>c</sup>. No unreviewed safety or environmental questions are generated as a result of this temporary change.
28. Temporary Modification 85-SE-50 - Originated to reverse the jumpers on the logic cards of the status lights associated with the recirculation portion and heaters of the boron injection system. The recirculation portion and heaters are not required to be operable due to boron concentration reduction to 2000 ppm within the system, and consequently have Safety Injection Signal power lifted resulting in amber status lights on status panels SA066X and SA066Y. The Temporary Modification would cause the status lights to be cleared and to turn amber if the components are energized, thus avoiding operator confusion. No unreviewed safety or environmental questions are generated as a result of this temporary change.
29. Temporary Modification 85-SE-51 - Install RTD's and thermocouples in existing thermowells to monitor performance of Feedwater heaters. No unreviewed safety or environmental questions are generated as a result of this temporary change.



30. Temporary Modification 85-SE-52 - Install plywood to support a ladder above the Control Room ceiling on west end of the Control Room. No unreviewed safety or environmental questions are generated as a result of this temporary change.
31. Temporary Modification 85-SE-53 - Block open fire damper GE-D-049 and establish a fire watch until damper rework completed to prevent steam from the miscellaneous condensate drain tank from entering duct work. No unreviewed safety or environmental questions are generated as a result of this temporary change.
32. Temporary Modification 85-SE-54 - Defeat the auto open and turbine trip interlock on valves AB FV-23, 25, 27, and 29 and AC HV-134, 135, 136 and 137 which drain water from the steam lines following a turbine trip. These valves can be operated manually from the control room and automatic opening of these valves causes uncontrolled rapid reduction of Reactor Coolant System temperature. No unreviewed safety or environmental questions are generated as a result of this temporary change.

# OPERATING DATA REPORT

DOCKET NO. STN 50-482  
WOLF CREEK GENERATING STATION  
KANSAS GAS AND ELECTRIC COMPANY  
DATE 7-01-85  
COMPLETED BY M. Williams  
TELEPHONE 316-364-8831

## OPERATING STATUS

1. Reporting Period: June, 1985 Gross Hours in Reporting Period: 720
2. Currently Authorized Power Level (MWt): 3411 Max. Depend. Capacity (MWe-Net): 1117  
Design Electrical Rating (MWe-Net): 1170 (Expected)
3. Power Level to Which Restricted (If Any) (MWe-Net): N/A
4. Reasons for restriction (If Any): \_\_\_\_\_

	This Month	Yr to Date	Cumulative
5. Number of Hours Reactor was Critical	<u>479</u>	<u>638</u>	<u>638</u>
6. Reactor Reserve Shutdown Hours	<u>241</u>	<u>241</u>	<u>241</u>
7. Hours Generator on Line	<u>305</u>	<u>305</u>	<u>305</u>
8. Unit Reserve Shutdown Hours	<u>103</u>	<u>103</u>	<u>103</u>
9. Gross Thermal Energy Generated (MWH)	<u>356676</u>	<u>356676</u>	<u>356676</u>
10. Gross Electrical Energy Generated (MWH)	<u>78715</u>	<u>78715</u>	<u>78715</u>
11. Net Electrical Energy Generated (MWH)	<u>70829</u>	<u>70829</u>	<u>70829</u>
12. Reactor Service Factor	<u>N/A</u>	<u>      </u>	<u>      </u>
13. Reactor Availability Factor	<u>N/A</u>	<u>      </u>	<u>      </u>
14. Unit Service Factor	<u>N/A</u>	<u>      </u>	<u>      </u>
15. Unit Availability Factor	<u>N/A</u>	<u>      </u>	<u>      </u>
16. Unit Capacity Factor (Using MDC)	<u>N/A</u>	<u>      </u>	<u>      </u>
17. Unit Capacity Factor (Using Design MWe)	<u>N/A</u>	<u>      </u>	<u>      </u>
18. Unit Forced Outage Rate	<u>N/A</u>	<u>      </u>	<u>      </u>
Forecast	Achieved		
Initial Criticality	<u>5-22-85</u>		
Initial Electricity	<u>6-13-85</u>		
Commercial Operation	<u>8-08-85</u>		

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MONTH June, 1985

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	7
14	7
15	127
16	179

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	145
18	174
19	174
20	197
21	200
22	247
23	250
24	75
25	26
26	270
27	273
28	288
29	269
30	42
31	N/A

INSTRUCTIONS:

On this form, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnotes to explain the apparent anomaly.



## UNIT SHUTDOWN AND POWER REDUCTIONS

DOCKET NO. STN 50-482

WOLF CREEK GENERATING STATION  
KANSAS GAS AND ELECTRIC COMPANY

DATE 7-01-85

COMPLETED BY M. Williams

TELEPHONE 316-364-8831

REPORT MONTH June, 1985

No	Date	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHODS SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/ COMMENTS
	850602	F	19.0	B	1	Rod Control Problems investigated
	850602	F	55.5	B	1	Further investigation of Rod Control problems
	850606	F	26.8	H	3	Power Ascension Testing (Licensee Event Report 85-039-00)
1	850613	F	19.5	A	3	Main Feedwater Pump Trip (Licensee Event Report 85-041-00)
2	850623	F	31.1	G	3	During Surveillance Testing, Reactor Trip Breaker inadvertently opened. (Licensee Event Report 85-045-00)
3	850629	S	36.8	B	4	Demonstrate Auxiliary Shutdown Panel Operability

## SUMMARY:

Initial entry into Mode 1 (Power Operation) occurred on June 6, 1985, and the unit was initially synchronized to the grid on June 12, 1985. Testing at the twenty and thirty percent power plateaus has been completed.

The sum of the total outage hours plus the hours the generator was on line does not equal the gross hours in this reporting period due to the fact that the initial synchronization of the generator with the grid occurred on June 12, 1985.

## (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 June

## 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>
June 2, 1985	1304	Received Control Room Ventilation Isolation Signal (CRVIS) due to spurious spiking of a radiation monitor. Reportable per 10 CFR 50.72 and 50.73.
June 3, 1985	1630	Received notice that Commercial Operating License had been granted.
June 4, 1985	1005	Received Auxiliary Feed Actuation Signal due to Main Feedwater Pump Trip due to loss of condenser vacuum. Reportable per 10 CFR 50.72 and 50.73.
June 5, 1985	0025	Received CRVIS due to spurious spiking of a radiation monitor. Reportable per 10 CFR 50.72 and 50.73.
June 6, 1985	2222	Initial entry into Mode 1.
	2250	Received Reactor Trip and Safety Injection due to low steam generator water level. Reportable per 10 CFR 50.72 and 50.73.
June 7, 1985	0255	Received CRVIS due to spurious spiking of a radiation monitor. Reportable per 10 CFR 50.72 and 50.73.
June 9, 1985	0015	Received Auxiliary Feed Actuation Signal (AFAS), due to Main Feedwater Pump Trip. Reportable per 10 CFR 50.72 and 50.73.
	0107	Received Main Feedwater Isolation Signal (FWIS) and AFAS due to High-High Steam Generator level. Reportable per 10 CFR 50.72 and 50.73.
June 11, 1985	1753	Received FWIS and AFAS due to High-High Steam Generator level. Reportable per 10 CFR 50.72 and 50.73.

<u>DATE</u>	<u>TIME</u>	<u>EVENT</u>
June 12, 1985	1900	Performed initial synchronization of the main generator with the grid.
June 13, 1985	0401	Reactor trip from 12% power due to Low-Low Steam Generator Level while unloading after a turbine trip. Reportable per 10 CFR 50.72 and 50.73.
June 14, 1985	0631	Received FWIS and AFAS due to High Steam Generator level. Reportable per 10 CFR 50.72 and 50.73.
June 23, 1985	1333	Reactor trip due to a personnel error while performing a surveillance test. Reportable per 10 CFR 50.72 and 50.73.
June 24, 1985	0043	Reactor trip on low-low level in Steam Generator "A". Reportable per 10 CFR 50.72 and 50.73.
June 29, 1985	1115	Manually tripped the reactor and turbine from the Auxiliary Shutdown Panel.



KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER  
VICE PRESIDENT - NUCLEAR

July 12, 1985

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

Mr. R.P. Denise, Director  
Wolf Creek Task Force  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76011


KMLNRC 85-181  
Re: Docket No. STN 50-482  
Subj: June, 1985 Monthly Operating Report

Gentlemen:

Enclosed is the June, 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.

If you have any questions concerning this matter, please contact me or Mr. Otto Maynard of my staff.

Yours very truly,

  
for Glenn L. Koester  
Vice President, Nuclear

GLK:dab

Enclosure

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

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