



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 EAST LAMAR BOULEVARD
ARLINGTON, TEXAS 76011-4511

January 15, 2020

Mr. Cleveland Reasoner, Chief Executive Officer
and Chief Nuclear Officer
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, KS 66839

SUBJECT: WOLF CREEK GENERATING STATION - NRC EXAMINATION
REPORT 05000482/2019301

Dear Mr. Reasoner:

On January 9, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an initial operator license examination at your Wolf Creek Generating Station. The enclosed report documents the examination results and licensing decisions. The preliminary examination results were discussed on December 12, 2019, with Mr. Robert Bayer, Plant Manager, and other members of your staff. A telephonic exit meeting was conducted on January 9, 2020, with Mr. James Knapp, Superintendent, Operations Training, who was provided the NRC licensing decisions.

The examination included the evaluation of nine applicants for reactor operator licenses, four applicants for instant senior reactor operator licenses, and four applicants for upgrade senior reactor operator licenses. The license examiners determined that all applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses have been issued. There were no post-examination comments submitted by your staff. The enclosure contains details of this report.

No findings were identified during this examination.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document

C. Reasoner

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Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

/RA/

Gregory E. Werner, Chief
Operations Branch
Division of Reactor Safety

Docket: 05000482

License: NPF-42

Enclosures:

1. Examination Report 05000482/2019301
w/Attachment: Supplemental Information
2. Simulator Fidelity Report

cc w/enclosures: Electronic Distribution to
Wolf Creek Generating Station

U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Number: 05000482

License Number: NPF-42

Report Number: 05000482/2019301

Enterprise Identifier: L-2019-OLL-0000

Licensee: Wolf Creek Nuclear Operating Corporation

Facility: Wolf Creek Generating Station

Location: Burlington, Kansas

Inspection Dates: December 6, 2019, to January 9, 2020

Inspectors: T. Farina, Senior Operations Engineer (Chief)
C. Osterholtz, Senior Operations Engineer
M. Doyle, Operations Engineer
N. Hernandez, Operations Engineer
C. Steely, Health Physicist

Approved By: Gregory E. Werner
Chief, Operations Branch
Division of Reactor Safety

SUMMARY

ER 05000482/2019301; Wolf Creek Generating Station; Initial Operator Licensing Examination Report

The NRC examiners evaluated the competency of nine applicants for reactor operator licenses, four applicants for instant senior reactor operator licenses, and four applicants for upgrade senior reactor operator licenses at Wolf Creek Generating Station.

The licensee developed the examinations using NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 11. The written examination was administered by the licensee on December 6, 2019. The NRC examiners administered the operating tests on December 9 to 14, 2019.

The NRC examiners determined that all applicants satisfied the requirements of 10 CFR Part 55, and the appropriate licenses have been issued.

A. NRC-Identified and Self-Revealing Findings

None.

B. Licensee-Identified Violations

None.

REPORT DETAILS

OTHER ACTIVITIES – INITIAL LICENSE EXAM

.1 License Applications

a. Scope

The NRC examiners reviewed all license applications submitted to ensure each applicant satisfied relevant license eligibility requirements. The NRC examiners also audited three of the license applications in detail to confirm that they accurately reflected the subject applicant's qualifications. This audit focused on the applicant's experience and on-the-job training, including control manipulations that provided significant reactivity changes.

b. Findings

No findings were identified.

.2 Examination Development

a. Scope

The NRC examiners reviewed integrated examination outlines and draft examinations submitted by the licensee against the requirements of NUREG-1021. The NRC examiners conducted an onsite validation of the operating tests.

b. Findings

The NRC examiners provided outline, draft examination and post-validation comments to the licensee. The licensee satisfactorily completed comment resolution prior to examination administration.

The NRC examiners determined the written examinations and operating tests initially submitted by the licensee were within the range of acceptability expected for a proposed examination.

.3 Operator Knowledge and Performance

a. Scope

On December 6, 2019, the licensee proctored the administration of the written examinations to all 17 applicants. The licensee staff graded the written examinations, analyzed the results, and presented their analysis to the NRC on December 14, 2019.

The NRC examination team administered the various portions of the operating tests to all applicants on December 9 to 14, 2019.

b. Findings

No findings were identified.

All applicants passed the written examination and all parts of the operating tests. The final written examinations and post-examination analysis may be accessed in the ADAMS system under the accession numbers noted in the attachment. There were no post-examination comments as indicated in the licensee submittal.

The examination team noted one generic weakness associated with applicant performance on the administrative job performance measures section of the operating tests. The applicants displayed a weakness generating a clearance order by reactor operators and reviewing a proposed clearance order by senior reactor operators. Post-examination analysis revealed five generic weaknesses associated with applicant performance on the written examination. Specifically, applicants displayed weakness on the following topics:

1. Alarm actuations which cause containment purge isolation signal (Question 33)
2. Main feed pump high vibration trip signals (Question 49)
3. Technical specification application to condition of multiple pressurizer level channel failures (Question 81)
4. Transition criteria to procedure EMG C-31 in response to a steam generator tube rupture with continued lowering reactor coolant system pressure (Question 85)
5. Generic requirements for issuance of an radiological controlled area fast entry dosimeter (Question 97)

Copies of all individual examination reports were sent to the facility training manager for evaluation and determination of appropriate remedial training.

.4 Simulation Facility Performance

a. Scope

The NRC examiners observed simulator performance with regard to plant fidelity during examination validation and administration.

b. Findings

No findings were identified.

.5 Examination Security

a. Scope

The NRC examiners reviewed examination security for examination development during both the onsite preparation week and examination administration week for compliance with 10 CFR 55.49 and NUREG-1021. Plans for simulator security and applicant control were reviewed and discussed with licensee personnel.

b. Findings

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The licensee did not identify any information or materials used during the examination as proprietary.

The chief examiner presented the preliminary examination results to Mr. R. Bayer, Plant Manager, and other members of the staff on December 12, 2019. A telephonic exit was conducted on January 9, 2020, between Mr. T. Farina, chief examiner, and Mr. J. Knapp, Superintendent, Operations Training.

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

R. Bayer, Plant Manager
J. Knapp, Superintendent, Operations Training
M. Blow, Senior Reactor Operator, Operations
A. Servaes, Exam Author
J. Bousum, Exam Author

NRC Personnel

D. Dodson, Senior Resident Inspector

ADAMS DOCUMENTS REFERENCED

Accession No. ML20007E316 - FINAL WRITTEN EXAMS
Accession No. ML20007E317 - FINAL OPERATING TEST
Accession No. ML20007E442 - POST-EXAMINATION ANALYSIS

Simulator Fidelity Report

Facility Licensee: Wolf Creek Generating Station

Facility Docket No: 05000482

Operating Tests Administered on: December 9 to 14, 2019

This form is to be used only to report observations. These observations do not constitute audit or inspection findings and, without further verification and review in accordance with IP 71111.11, are not indicative of noncompliance with 10 CFR 55.46. No licensee action is required in response to these observations.

While conducting the simulator portion of the operating tests, examiners observed the following item:

Item	Description
BG HC-182 displayed in closed position in NPIS when it was open	During a scenario run, it was identified that BG HC-182, charging header backpressure flow control valve, was actually open but displayed as closed on the NPIS computer. The licensee captured this issue in Simulator Modification Package 19-127.

WOLF CREEK GENERATING STATION - NRC EXAMINATION REPORT 05000482/2019301 –
JANUARY 15, 2020

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Electronic Distribution for Wolf Creek Generating Station

ADAMS ACCESSION NUMBER: ML20021A241

☒ SUNSI Review: ADAMS: ☐ Non-Publicly Available ☒ Non-Sensitive Keyword:
By: TJF ☒ Yes ☐ No ☒ Publicly Available ☐ Sensitive NRC-002

OFFICE	SOE:OB	SOE:OB	OE:OB	OE:OB	HP:DNMS	BC:OB
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