



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064

July 16, 1997

Garry L. Randolph, Vice President and
Chief Nuclear Officer
Union Electric Company
P.O. Box 620
Fulton, Missouri 65251

SUBJECT: NRC INSPECTION REPORT 50-483/97-301

Dear Mr. Randolph:

An NRC inspection was conducted July 7, 1997, covering activities at your Callaway Plant reactor facility. The enclosed report presents the scope and results of that inspection.

The inspection included an evaluation of two applicants for reactor operator licenses. We determined that both applicants satisfied the requirements and the licenses have been issued.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be placed in the NRC Public Document Room (PDR).

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

Arthur T. Howell III
for Arthur T. Howell III, Director
Division of Reactor Safety

Docket No.: 50-483
License No.: NPF-30

Enclosure:
NRC Inspection Report
50-483/97-301

9707220351 970716
PDR ADOCK 05000483
V PDR



cc w/enclosure and Attachment 1:
Professional Nuclear Consulting, Inc.
19041 Raines Drive
Derwood, Maryland 20855

Gerald Charnoff, Esq.
Thomas A. Baxter, Esq.
Shaw, Pittman, Potts & Trowbridge
2300 N. Street, N.W.
Washington, D.C. 20037

H. D. Bono, Supervising Engineer
Site Licensing
Union Electric Company
P.O. Box 620
Fulton, Missouri 65251

Manager - Electric Department
Missouri Public Service Commission
301 W. High
P.O. Box 360
Jefferson City, Missouri 65102

Ronald A. Kucera, Deputy Director
Department of Natural Resources
P.O. Box 176
Jefferson City, Missouri 65102

Otto L. Maynard, President and
Chief Executive Officer
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, Kansas 66839

Dan I. Bolef, President
Kay Drey, Representative
Board of Directors Coalition
for the Environment
6267 Delmar Boulevard
University City, Missouri 63130

Lee Fritz, Presiding Commissioner
Callaway County Court House
10 East Fifth Street
Fulton, Missouri 65151

Alan C. Passwater, Manager
Licensing and Fuels
Union Electric Company
P.O. Box 66149
St. Louis, Missouri 63166-6149

J. V. Laux, Manager
Quality Assurance
Union Electric Company
P.O. Box 620
Fulton, Missouri 65251

G. J. Czeschin, Superintendent
Training
Union Electric Company
P.O. Box 620
Fulton, Missouri 65251

E-Mail report to T. Boyce (THB)
E-Mail report to NRR Event Tracking System (IPAS)
E-Mail report to Document Control Desk (DOCDESK)

bcc to DCD (IE01)(IE42)

bcc distrib. by RIV w/Enclosure and Attachment 1:

Regional Administrator	Resident Inspector
DRP Director	DRS-PSB
Branch Chief (DRP/B)	MIS System
Project Engineer (DRP/B)	RIV File
Branch Chief (DRP/TSS)	

bcc distrib. by RIV w/Enclosure and Attachments 1-2:
R. Gallo (HOLB/NRR)
L. Hurley

DOCUMENT NAME: R:_CW\CW7301rp.HFB

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:RE:OB	E	C:OB	N	D:DRP	D:DRS		
HBundy/lmb	AB	JLPellet	AM	TPGwynn	ATHowell, III		
07/10/97		07/10/97		07/15/97	07/15/97		

OFFICIAL RECORD COPY

E-Mail report to T. Boyce (THB)
E-Mail report to NRR Event Tracking System (IPAS)
E-Mail report to Document Control Desk (DOCDESK)

bcc to DCD (~~IE41~~)(IE42)

bcc distrib. by RIV w/Enclosure and Attachment 1:

Regional Administrator	Resident Inspector
DRP Director	DRS-PSB
Branch Chief (DRP/B)	MIS System
Project Engineer (DRP/B)	RIV File
Branch Chief (DRP/TSS)	

bcc distrib. by RIV w/Enclosure and Attachments 1-2:
R. Gallo (HOLB/NRR)
L. Hurley

DOCUMENT NAME: R:_CW\CW7301rp.HFB

To receive copy of document, indicate in box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:RE:OB	E	C:OB	N	D:DRP	D:DRS		
HBundy/lmb	AB	JLPellet	CA	TPGwynn	ATHowell, III		
07/10/97		07/10/97		07/14/97	07/15/97		

OFFICIAL RECORD COPY

ENCLOSURE

U.S. NUCLEAR REGULATORY COMMISSION
REGION IV

Docket No.: 50-483
License No.: NPF-30
Report No.: 50-483/97-301
Licensee: Union Electric Company
Facility: Callaway Plant
Location: Junction Hwy. CC and Hwy. O
Fulton, Missouri
Dates: July 7, 1997
Inspector: H. Bundy, Chief Examiner, Operations Branch
Approved By: J. L. Pellet, Chief, Operations Branch
Division of Reactor Safety

ATTACHMENTS:

Attachment 1: Supplemental Information
Attachment 2: Final Written Examination and Answer Key

EXECUTIVE SUMMARY

Callaway Plant
NRC Inspection Report 50-483/97-301

NRC examiners evaluated the competency of two retake reactor operator license applicants for issuance of operating licenses at the Callaway Plant facility. The licensee developed the initial license examination using NUREG-1021, "Operator Licensing Standards for Power Reactors," Interim Revision 8. The initial written examinations were administered to both applicants on June 27, 1997, by facility proctors in accordance with instructions provided by the chief examiner. The operating tests had been waived for these applicants. Both applicants displayed the requisite knowledge and skills to satisfy the requirements of 10 CFR 55 and were issued reactor operator licenses.

Operations

- Both applicants passed the reactor operator written examination. No broad knowledge or training weaknesses were identified as a result of evaluation of the graded examinations.
- The licensee submitted a satisfactory examination outline which was used for examination development.
- The written examination was acceptable for administration as submitted and of high quality.

Report Details

I. Operations

04 Operator Knowledge and Performance

04.1 Initial Written Examination

a. Inspection Scope

On June 27, 1997, the facility licensee proctored the administration of the written examination approved by the chief examiner and NRC Region IV supervision to two individuals who had applied for initial retake reactor operator licenses. The licensee graded the written examinations and the staff reviewed its results. These individuals had previously passed the operating test portion of the examination and it had been waived by Region IV. The licensee also performed a post-examination question analysis, which was reviewed by the chief examiner. This inspection consisted of in-office review and approval of the examination results supplied by the licensee.

b. Observations and Findings

The minimum passing score was 80 percent. The scores for the applicants averaged 81.8 percent. Both applicants missed Questions 23, 42, 53, 61, 62, 72, 87, 95, and 98. Pursuant to the licensee's request, Question 99 was deleted because the proctors inadvertently failed to provide an attached curve, which was necessary to answer the question. Also, pursuant to the licensee's request, Choice C was allowed as a correct answer in addition to Choice D for Question 32. The examinations were regraded based on these determinations. No broad training or knowledge weaknesses were identified. Reasons for missing the valid questions appeared to be related to question difficulty and isolated knowledge weaknesses.

c. Conclusions

Both applicants passed the reactor operator written examination. No broad knowledge or training weaknesses were identified as a result of evaluation of the graded examinations.

05 Operator Training and Qualification

05.1 Initial Licensing Examination Development

The facility licensee developed the initial licensing examination in accordance with guidance provided in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Interim Revision 8.

O5.1.1 Examination Outline

a. Inspection Scope

The facility licensee submitted the initial examination outline on May 2, 1997. The chief examiner reviewed the submittal against the requirements of NUREG-1021.

b. Observations and Findings

The initial examination outline was satisfactory as a guide for development of the examination. However, the chief examiner provided several minor enhancement suggestions which were incorporated by the licensee.

c. Conclusions

The licensee submitted a satisfactory examination outline, which was used for examination development.

O5.1.2 Examination Package

a. Inspection Scope

The facility licensee submitted the completed examination package on June 12, 1997. The chief examiner reviewed the submittal against the requirements of NUREG-1021.

b. Observations and Findings

The draft-written examination contained 100 questions, of which 67 were new, 12 were modified licensee examination bank questions, and 21 were directly from the licensee's examination bank. This distribution satisfied NUREG-1021 requirements. The draft examination was responsive to the knowledge and abilities sample plan submitted on May 2, 1997, technically valid, and discriminated at the proper level. It was considered adequate for administration. The questions were generally of high quality. However, the chief examiner provided comments on construction for 8 questions. The comments related to the suitability of question distractors or construction of the question stem. In response to the chief examiner's comments, the licensee revised or replaced these questions.

c. Conclusions

The written examination was acceptable for administration as submitted and of high quality.

V. Management Meetings

X1 Exit Meeting Summary

The chief examiner presented the inspection results to Mr. Czeschin on July 9, 1997, and he acknowledged the findings presented.

Mr. Czeschin did not identify as proprietary any information or materials examined during the inspection.

ATTACHMENT 1

SUPPLEMENTAL INFORMATION

PARTIAL LIST OF PERSONS CONTACTED

Licensee

F. Biermann, Operating Supervisor, Training
G. Czeschin, Superintendent, Training
R. Moody, Operating Supervisor, Training
R. Neil, Shift Supervisor Operations, Training

NRC

D. Passehl, Senior Resident Inspector