



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

May 16, 2014

10 CFR 55.5

Mr. Victor M. McCree
Regional Administrator
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Avenue, NE, Suite 1200
Atlanta, Georgia 30303-1257

Attention: Mr. Eugene Guthrie

Browns Ferry Nuclear Plant, Units 1, 2, and 3
Facility Operating License Nos. DPR-33, DPR-52, and DPR-68
NRC Docket Nos. 50-259, 50-260, and 50-296

Subject: **Reactor Operator and Senior Reactor Operator Initial License
Written Examinations - Post Examination Response**

The Tennessee Valley Authority (TVA) administered the final NRC Written Examination for the Browns Ferry Nuclear Plant Reactor Operator and Senior Reactor Operator Initial License Training (ILT) on May 9, 2014. The supporting documentation specified by Section ES-501 of NUREG 1021, Revision 9, Supplement 1, Operator Licensing Examination Standards for Power Reactors, for Post Examination Activities is enclosed. The enclosures' content listing is provided at the end of this letter.

Analysis of the preliminary facility graded written examination results indicated that there were no examination written failures. There are no post-operating exam comments.

Victor M. McCree
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May 16, 2014

The NRC Form ES-201-3, will be forwarded to the NRC as soon as it is completed. The enclosures to this letter are considered by TVA to be of a personal nature and, as such, are requested to be withheld from public disclosure in accordance with 10 CFR 2.390(a)(6).

There are no commitments contained within this letter.

Should you have any questions regarding this matter, please contact Mr. Dan Zielinski, at (256) 729-2783.

Respectfully,



K. J. Polson
Vice President

Enclosures:

- Enclosure 1 - Form ES-403-1, Written Examination Grading Quality Checklist
- Enclosure 2 - Graded Written Examinations (Each Applicant's Original Answer and Examination Cover Sheets) and a Clean Copy of Each Applicant's Answer Sheet
- Enclosure 3 - Questions Asked By and Answers Given to the Applicants During the Written Examination
- Enclosure 4 - Examination Seating Chart
- Enclosure 5 - Results of Written Examination Performance Analysis that was Performed
- Enclosure 6 - Master Examinations and Answer Keys, Annotated to Indicate and Changes Made While Administering and Grading the Examinations

Victor M. McCree
Page 3
May 16, 2014

JLP:SWA:CSP
Enclosures

bcc: (w/o Enclosure)
S. M. Douglas, LP 3R-C
D. L. Hughes, POB 2E-BFN
D. Laing, BFT 3A-BFN
M. T. Nabors, BFT 1A-BFN
J. W. Shea, LP 3R-C
P. R. Wilson, LP 3R-C
C. L. Vaughn, BFT 1A-BFN
EDMS, WT 3B-K

~~Personally Identifiable Information - Withhold Under 10 CFR 2.299~~

Enclosure 1

**Browns Ferry Nuclear Plant
Units 1, 2, and 3**

**Reactor Operator and Senior Reactor Operator Initial
License Written Examination - Post Examination Response**

Form ES-403-1, Written Examination Grading Quality Checklist

(See Attached)

~~Personally Identifiable Information - Withheld Under 10 CFR 2.390~~

Enclosure 2

**Browns Ferry Nuclear Plant
Units 1, 2, and 3**

**Reactor Operator and Senior Reactor Operator Initial
License Written Examination - Post Examination Response**

**Graded Written Examinations
(Each Applicant's Original Answer and Examination Cover Sheets)
and a Clean Copy of Each Applicant's Answer Sheet**

(See Attached)

~~Personally Identifiable Information - Withhold Under 10 CFR 2.390~~

Enclosure 3

**Browns Ferry Nuclear Plant
Units 1, 2, and 3**

**Reactor Operator and Senior Reactor Operator Initial
License Written Examination - Post Examination Response**

**Questions Asked By and Answers Given to the Applicants
During the Written Examination**

(See Attached)

~~Personally Identifiable Information - Withhold Under 10 CFR 2.390~~

Enclosure 4

**Browns Ferry Nuclear Plant
Units 1, 2, and 3**

**Reactor Operator and Senior Reactor Operator Initial
License Written Examination - Post Examination Response**

Examination Seating Chart

(See Attached)

~~Personally Identifiable Information - Withhold Under 10 CFR 2.390~~

Enclosure 5

**Browns Ferry Nuclear Plant
Units 1, 2, and 3**

**Reactor Operator and Senior Reactor Operator Initial
License Written Examination - Post Examination Response**

Results of Any Written Examination Performance Analysis That Was Performed

(See Attached)

~~Personally Identifiable Information - Withhold Under 10 CFR 2.899~~

Enclosure 6

**Browns Ferry Nuclear Plant
Units 1, 2, and 3**

**Reactor Operator and Senior Reactor Operator Initial
License Written Examination - Post Examination Response**

**Master Examinations and Answer Keys, Annotated to Indicate and Changes
Made While Administering and Grading the Examinations**

(See Attached)



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

April 10, 2014

10 CFR 55.5

Mr. Victor M. McCree
Regional Administrator
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Avenue, NE, Suite 1200
Atlanta, Georgia 30303-1257

Attention: Mr. Mark E. Franke

Browns Ferry Nuclear Plant, Units 1, 2, and 3
Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68
NRC Docket Nos. 50-259, 50-260, and 50-296

Subject: Final Senior Reactor Operator and Reactor Operator Applications

Reference:

1. Letter from NRC to TVA, "Browns Ferry Nuclear Plant – Notification of Licensed Operator Retake Initial Examination 0500259/2014301, 0500260/2014301, and 0500296/2014301", dated November 25, 2013
2. Letter from TVA to NRC, "Reactor Operator Candidate Information Change," dated August 16, 2013

In accordance with the above reference 1 letter from the Nuclear Regulatory Commission (NRC), the Tennessee Valley Authority (TVA) is providing final license applications for the senior Reactor Operator (SRO) and Reactor Operators (ROs) that are to be submitted 14 days prior to the examination date of April 28, 2014.

Enclosed are the final license applications (NRC Form 398) and Medical Certifications (NRC Form 396), for the candidates.

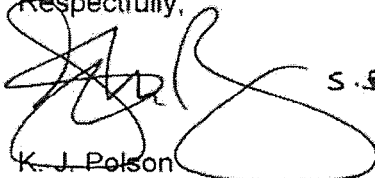
By the reference 2 letter, TVA notified the NRC that Candidate [REDACTED] changed [REDACTED] name to [REDACTED]. The enclosed documentation for this individual references [REDACTED].

Mr. Victor M. McCree
Page 2
April 10, 2014

The enclosure to the letter is considered by TVA to be of personal nature and as such, is to be withheld from public disclosure in accordance with 10 CFR 2.390(a)(6).

There are no new regulatory commitments in this letter. Should you have any questions regarding this matter, please contact Mr. Michael D. Gibson, at (256) 729-2783.

Respectfully,


K. J. Polson
Vice President

S. Bono
FOR

Enclosure: Final (Signed) Senior Reactor Operator and Reactor Operator License Applications

Mr. Victor M. McCree
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April 10, 2014

JLP:SWA:CSP

bcc: (w/o Enclosure)

S. M. Douglas, LP 3R-C
D. L. Hughes, POB 2E-BFN
C. S. Putnam, SAB 2B-BFN
J. J. Laffrey, LP 3R-C
D. Laing, BFT 3A-BFN
M. T. Nabors, BFT 1A-BFN
J. W. Shea, LP 3R-C
C. L. Vaughn BFT 1A-BFN
EDMS, WT 3B-K



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

March 27, 2014

10 CFR 55.5

Mr. Victor M. McCree
Regional Administrator
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Avenue, NE, Suite 1200
Atlanta, Georgia 30303-1257

Attention: Mr. Eugene F. Guthrie

Browns Ferry Nuclear Plant, Units 1, 2, and 3
Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68
NRC Docket Nos. 50-259, 50-260, and 50-296

Subject: **Preliminary Senior Reactor Operator and Reactor Operator License Applications**

- Reference:
1. Letter from NRC to TVA, "Browns Ferry Nuclear Plant – Notification of Licensed Operator Initial Examination 05000259/2014301, 05000260/2014301, and 05000296/2014301," dated November 25, 2013
 2. Letter from TVA to NRC, "Reactor Operator and Candidate Information Change," dated August 16, 2013

In accordance with the above reference 1 letter, the Tennessee Valley Authority (TVA) is providing preliminary application information that is to be submitted 30 days prior to the Senior Reactor Operator (SRO) and Reactor Operator (RO) examination date of April 28, 2014.

Enclosed are the preliminary (unsigned) SRO and RO license applications (Nuclear Regulatory Commission (NRC) Form 398) and Medical Certifications (NRC Form 396), for the candidates listed in the enclosure.

By the reference 2 letter, TVA notified the NRC that candidate [REDACTED] changed [REDACTED] name to [REDACTED]. The enclosed documentation for this individual references [REDACTED]

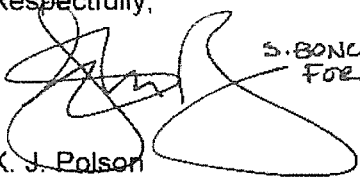
Rec'd
3/28/14

Mr. Victor M. McCree
Page 2
March 27, 2014

The enclosure to the letter is considered by TVA to be of personal nature and as such, is to be withheld from public disclosure in accordance with 10 CFR 2.390(a)(6).

There are no new regulatory commitments in this letter. Should you have any questions regarding this matter, please contact Mr. Donald C. Binkley, Jr., at (256) 729-3959.

Respectfully,


S. BOND
FOR K. Polson
K. J. Polson
Vice President

Enclosure: Preliminary Senior Reactor Operator and Reactor Operator License Applications.

Rec'd
3/28/14

Mr. Victor M. McCree
Page 3
March 27, 2014

JLP:SWA:CSP

bcc: (w/o Enclosure)
S. M. Douglas, LP 3R-C
D. L. Hughes, POB 2E-BFN
J. J. Laffrey, LP 3R-C
D. Laing, BFT 3A-BFN
M. T. Nabors, BFT 1A-BFN
C. S. Putman, SAB 2B-BFN
J. W. Shea, LP 3R-C
EDMS, WT 3B-K

3/28/14

~~Withhold the Enclosure from Public Disclosure in Accordance with
NUREG-1021~~



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

February 20, 2014

10 CFR 55.5
10 CFR 55.49

Mr. Victor M. McCree
Regional Administrator
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Avenue, NE, Suite 1200
Atlanta, Georgia 30303-1257

Attention: Eugene F. Guthrie

Browns Ferry Nuclear Plant, Units 1, 2, and 3
Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68
NRC Docket Nos. 50-259, 50-260, and 50-296

Subject: Submittal of Initial Operator Licensing Examination Operating Tests

Reference: Letter from the Nuclear Regulatory Commission to the Tennessee Valley Authority "Browns Ferry Nuclear Plant - Notification of Licensed Operator Initial Examination 05000259/2014301, 05000260/2014301, and 05000296/2014301," dated November 25, 2013

In accordance with the referenced letter and NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," the Tennessee Valley Authority is providing the operating test, and supporting reference materials for the upcoming license examination.

The Browns Ferry Nuclear Plant (BFN) Units 1, 2, and 3 Initial Operator Licensing Written Examination is scheduled for the week of April 28, 2014. In order to meet the examination schedule, NRC requested that BFN furnish this examination material by February 24, 2014.

2014

Mr. Victor M. McCree
Page 2
February 20, 2014

Enclosed is the operating test, including the supporting reference materials, for the Reactor Operators and Senior Reactor Operators examinations.

In accordance with Title 10 of the Federal Code of Regulations (10 CFR) 55.49, and NUREG-1021, appropriate measures have been taken to ensure examination integrity and security. Accordingly, it is requested that this letter and the enclosed documents will be withheld from public disclosure until the examinations are completed.

There are no commitments contained in this submittal. Should you have any questions regarding this matter, please contact Mr. Dan Zielinski, at (256) 729-2783.

Respectfully,



K. J. Polson
Vice President

Enclosure: Operator Examination and Supporting Reference Materials - Operator License Examination Scheduled for the Week of April 28, 2014

~~Withhold the Enclosure from Public Disclosure in Accordance with
NUREG-1021~~

Enclosure

**Tennessee Valley Authority
Browns Ferry Nuclear Plant
Units 1, 2, and 3**

**Operator Examination and Supporting Reference Materials - Operator
License Examination Scheduled for the Week of
April 28, 2014**

This enclosure contains the following information:

1. A notebook containing the following:
 - ES-301-3, Operating Test Quality Checklist;
 - ES-301-4, Simulator Scenario Quality checklist
 - ES-301-6, Competencies Checklist;
 - Operating Examination with References
2. Compact Disk containing the examination and references

3/27/14



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

January 10, 2014

10 CFR 55.5
10 CFR 55.49

Mr. Victor M. McCree
Regional Administrator
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Avenue, NE, Suite 1200
Atlanta, Georgia 30303-1257

Attention: Mr. Eugene F. Guthrie

Browns Ferry Nuclear Plant, Units 1, 2, and 3
Renewed Facility Operating License Nos. DPR-33, DPR-52, and DPR-68
NRC Docket Nos. 50-259, 50-260, and 50-296

Subject: Submittal of Initial Operator License Examination Outlines

Reference: Letter from the Nuclear Regulatory Commission (NRC) to the Tennessee Valley Authority dated November 25, 2013, "Browns Ferry Nuclear Plant – Notification of Licensed Operator Initial Examination 05000259/2014301, 05000260/2014301, and 05000296/2014301"

In accordance with the above referenced NRC letter dated November 25, 2013, the Tennessee Valley Authority is providing all appropriate examination outlines and reference material in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1, Attachment 3 to ES-201, Reference Materials guidelines for Initial Licensing Examination, for the upcoming Browns Ferry Nuclear Plant Units 1, 2, and 3 Initial Operator License Examination.

Enclosed is the examination information supporting the Initial License Operator Examination scheduled for the week of May 5, 2014. These examination outlines were requested to be submitted by January 13, 2014, in the above referenced letter.

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Mr. Victor M. McCree
Page 2
January 10, 2013

In accordance with NUREG-1021, Revision 9, Supplement 1, Section ES-201, "Initial Operator Licensing Examination Process," please ensure that these materials are withheld from public disclosure until after the examinations are administered.

There are no new regulatory commitments in this letter. Should you have any questions regarding this matter, please contact Mr. Michael D. Gibson, at (256) 729-2783.

Respectfully,



K. J. Polson
Vice President

Enclosure: Examination Outlines Supporting the Initial Operator License for the Examinations Scheduled for the Week of May 5, 2014

Enclosure

**Tennessee Valley Authority
Browns Ferry Nuclear Plant
Units 1, 2, and 3**

**Examination Outlines Supporting the Initial Operator License Examinations
Scheduled for the Week of May 5, 2014**

(See Attached)



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

January 31, 2014

10 CFR 55.5
10 CFR 55.49

Mr. Victor M. McCree
Regional Administrator
U.S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Avenue, NE, Suite 1200
Atlanta, Georgia 30303-1257

Attention: Eugene F. Guthrie

Browns Ferry Nuclear Plant, Units 1, 2, and 3
Facility Operating License Nos. DPR-33, DPR-52, and DPR-68
NRC Docket Nos. 50-259, 50-260, and 50-296

Subject: Submittal of Initial Operator Licensing Examination Written Tests

Reference: Letter from the Nuclear Regulatory Commission to the Tennessee Valley Authority "Browns Ferry Nuclear Plant - Notification of Licensed Operator Initial Examination 05000259/2014301, 05000260/2014301, and 05000296/2014301," dated November 25, 2013

In accordance with the referenced letter and NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," the Tennessee Valley Authority is providing the written test, and supporting reference materials for the upcoming license examination.

The Browns Ferry Nuclear Plant (BFN) Units 1, 2, and 3 Initial Operator Licensing Written Examination is scheduled for the week of May 5, 2014. In order to meet the examination schedule, NRC requested that BFN furnish this examination material by February 3, 2014.

Enclosed is the written test, including the supporting reference materials, for the Reactor Operators and Senior Reactor Operators examinations.

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2/3/14

Mr. Victor M. McCree
Page 2
January 31, 2014

In accordance with Title 10 of the Federal Code of Regulations (10 CFR) 55.49, and NUREG-1021, appropriate measures have been taken to ensure examination integrity and security. Accordingly, it is requested that this letter and the enclosed documents will be withheld from public disclosure until the examinations are completed.

There are no commitments contained in this submittal. Should you have any questions regarding this matter, please contact Mr. Dan Zielinski, at (256) 729-2783.

Respectfully,



K. J. Polson
Vice President

Enclosure: Written Examination and Supporting Reference Materials - Operator License Examination Scheduled for the Week of May 5, 2014

Rec'd
2/2/14

~~Withhold the Enclosure from Public Disclosure in Accordance with
NUREG-1021~~

Enclosure

Tennessee Valley Authority
Browns Ferry Nuclear Plant
Units 1, 2, and 3

Written Examination and Supporting Reference Materials - Operator
License Examination Scheduled for the Week of May 5, 2014

This enclosure contains the following information:

1. A notebook containing the following:
 - ES-201-3, Examination Security Agreement
 - Written Examination with References
 - ES-401-6, Written Examination Quality Checklist
2. Compact Disk containing the examination and references

Rec'd
2/3/14