

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



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

September 26, 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 Written Examination

Reference: Letter from the Nuclear Regulatory Commission to the Tennessee Valley Authority "Browns Ferry Nuclear Plant - Notification of Licensed Operator Initial Examination 05000259/2015301, 05000260/2015301, and 05000296/2015301," dated August 5, 2014

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 January 26, 2015. In order to meet the examination schedule, NRC requested that BFN furnish this examination material by September 29, 2014.

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

*ncid
9/29/14*

Mr. Victor M. McCree
Page 2
September 26, 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 for the period of 2 (two) years.

There are no commitments contained in this submittal. Should you have any questions regarding this matter, please contact Mr. Michael Barton, 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 January 26, 2015

Rec'd
9/29/14

**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
January 26, 2015**

(See Attached)

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9/29/14*

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



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

October 17, 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
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 to the Tennessee Valley Authority dated August 5, 2014, "Browns Ferry Nuclear Plant – Notification of Licensed Operator Initial Examination 05000259/2015301, 05000260/2015301, and 05000296/2015301"

In accordance with the above referenced NRC letter dated August 5, 2014, the Tennessee Valley Authority is providing all appropriate examination standard forms and outlines in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9, Supplement 1, for the upcoming Browns Ferry Nuclear Plant Units 1, 2, and 3 Initial Operator License Examination.

Enclosed are the examination outlines, supporting the Initial License Operator Examination scheduled for the weeks of January 19 and January 26, 2015. These examination outlines were requested to be submitted by October 20, 2014, in the above referenced NRC letter.

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.

*rec'd
10/20/14*

Mr. Victor M. McCree
Page 2
October 17, 2014

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

Respectfully,



K. J. Polson
Vice President

Enclosure: Examination Outlines Supporting the Initial Operator License
Examinations Scheduled for the Weeks of January 19 and
January 26, 2015

Rec'd
10/20/14

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

Enclosure

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

**Examination Outlines Supporting the Initial Operator License Examinations
Scheduled for the Weeks of January 19 and January 26, 2015**

(See Attached)

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10/20/14

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



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

November 26, 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 Test

Reference: Letter from the Nuclear Regulatory Commission to the Tennessee Valley Authority, "Browns Ferry Nuclear Plant – Notification of Licensed Operator Initial Examination 05000259/2015301, 05000260/2015301, and 05000296/2015301," dated August 5, 2014

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 Examination Operating Test is scheduled for the week of January 19, 2015. In order to meet the examination schedule, NRC requested that BFN furnish this operating test material by December 1, 2014.

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12/1/14*

Mr. Victor M. McCree
Page 2
November 26, 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 new regulatory commitments in this letter. Should you have any questions regarding this matter, please contact Mr. Michael A. Barton, at (256) 729-2783.

Respectfully,



K. J. Polson
Vice President

Enclosure: Operator Test and Supporting Reference Materials - Initial Operator Licensing Examination Operating Test Scheduled for the Week of January 19, 2015

Rec'd
12/1/14

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

Enclosure

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

**Operating Test and Supporting Reference Materials - Initial Operator Licensing
Examination Operating Test Scheduled for the Week of
January 19, 2015**

(See Attached)

*Rec'd
12/1/14*

Personally Identifiable Information - Withhold Under 10 CFR 2.390



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

February 3, 2015

10 CFR 55.5

Mr. Victor M. McCree
Regional Administrator
U.S. Nuclear Regulatory Commission
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 January 28, 2015. The supporting documentation specified by Section ES-501 of NUREG 1021, Revision 9, Supplement 1, Operator Licensing Examination Standards for Power Reactors, for Initial Post-Examination Activities is enclosed. The enclosures' content listing is provided at the end of this letter.

Analysis of the preliminary facility graded examination results indicated five questions; numbers 19, 40, 46, 51, and 87 had a 50 percent or greater failure rate. The results of this analysis, where applicable, will be forwarded to the ILT Supervisor for potential inclusion in the appropriate training material.

2/4/15

Victor M. McCree
Page 2
February 3, 2015

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. Michael Barton, 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 any Changes Made While Administering and Grading the Examinations
- Enclosure 7 - Facility Comments made in accordance with ES-501 Attachment 1

2/4/15

Personally Identifiable Information - Withhold Under 10 CFR 2.390

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 - Withhold 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 Written Examination Performance Analysis That Was Performed

(See Attached)

Personally Identifiable Information - Withhold Under 10 CFR 2.390

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 any Changes
Made While Administering and Grading the Examinations**

(See Attached)

Personally Identifiable Information - Withhold Under 10 CFR 2.390

Enclosure 7

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

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

Facility Comments Made in Accordance With ES-501 Attachment 1

(See Attached)