

PUBLIC NOTICE

Tennessee Valley Authority (TVA) Cumberland Fossil Plant has applied to the Tennessee Department of Environment and Conservation, Division of Air Pollution Control for a Phase II Acid Rain Permit subject to the provisions of Tennessee Air Pollution Control Regulations (TAPCR) 1200-03-09-.02(11) and 1200-03-30 and 40 CFR Part 72. The permit is identified as follows: Division identification number 81-0011/77419 – Phase II Acid Rain Permit.

Pursuant to 40 CFR §72.72(b)(1)(v), the State permitting authority may, in its discretion, issue, as a single document, a draft Acid Rain permit in accordance with 40 CFR §72.72(b)(1)(ii) and a proposed Acid Rain permit and may provide public notice of the opportunity for public comment on the draft Acid Rain permit in accordance with 40 CFR §72.72(b)(1)(iii). If no significant, adverse comment on the draft Acid Rain permit is timely submitted, the proposed Acid Rain permit will be deemed to be issued on September 3, 2020 without further notice. If significant, adverse comments are timely submitted, the Division of Air Pollution Control will incorporate all necessary changes and issue a proposed Acid Rain permit or denial in accordance with 40 CFR Parts 72 and 76. The Division of Air Pollution Control has elected to issue a draft Acid Rain permit and a proposed Acid Rain permit as a single document. Pursuant to TAPCR 1200-03-09-.02(11)(g)3, no permit shall be issued if the EPA Administrator objects to its issuance in writing within 45 days of receipt of the proposed permit and its level of supporting information.

Copies of the draft permit and application materials are available for public inspection during normal business hours at the following locations:

Nashville Environmental Field Office
Division of Air Pollution Control
711 R. S. Gass Blvd.
Nashville, TN 37216

and

Tennessee Department of Environment and Conservation
Division of Air Pollution Control
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor
Nashville, TN 37243

At this time, visitors are seen at the Environmental Field Office by appointment only. You should contact the Environmental Field Office for an appointment to review the document by calling (615) 687-7000.

An electronic copy of the draft permit is available by accessing the TDEC internet site located at:

<https://www.tn.gov/environment/ppo-public-participation/ppo-public-participation/ppo-air.html>

Questions concerning the source(s) may be addressed to Mrs. Sarosh Kaiser at (615) 532-0585 or by e-mail at sarosh.kaiser@tn.gov.

Interested parties are invited to review these materials and comment. In addition, a public hearing may be requested at which written or oral presentations may be made. To be considered, written comments or requests for a public hearing must be received no later than 4:30 PM on **September 2, 2020**. To assure that written comments are received and addressed in a timely manner, written comments must be submitted using one of the following methods:

1. **Mail, private carrier, or hand delivery:** Address written comments to Sarosh Kaiser, Division of Air Pollution Control, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue 15th Floor, Nashville, Tennessee 37243.
2. **E-mail:** Submit electronic comments to air.pollution.control@tn.gov.

A final determination will be made after weighing all relevant comments.

Individuals with disabilities who wish to review information maintained at the above-mentioned depositories should contact the Tennessee Department of Environment and Conservation to discuss any auxiliary aids or services needed to facilitate such review. Such contact may be in person, by writing, telephone, or other means, and should be made no less than ten days prior to the end of the public comment period to allow time to provide such aid or services. Contact the Tennessee Department of Environment and Conservation ADA Coordinator, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue 2nd Floor, Nashville, TN 37243, 1-(866)-253-5827. Hearing impaired callers may use the Tennessee Relay Service, 1-(800)-848-0298.

For the "Stewart-Houston Times" -- publish once during the time period of July 23, 2020 through AUGUST 3, 2020

Air Pollution Control DATE: JULY 23, 2020
Assigned to –Sarosh Kaiser

No alterations to the above are allowed:

TVA must pay to place this advertisement in the newspaper

Air Pollution Control must be furnished with an affidavit from the newspaper stating that the ad was run and the date of the ad or one complete sheet from the newspaper showing this advertisement, the name of the newspaper and the date of publication. Mail to Sarosh Kaiser, Division of Air Pollution Control, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue 15th Floor, Nashville, Tennessee 37243.

**TENNESSEE AIR POLLUTION CONTROL BOARD
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE, TENNESSEE 37243-1531**



PHASE II ACID RAIN PERMIT

This permit fulfills the requirements of the federal regulations promulgated at 40 CFR Parts 72, 73, 75, 77, and 78. This permit is issued in accordance with the applicable provisions of Tennessee Air Pollution Control Regulations (TAPCR) 1200-03-30. The permittee has been granted permission to operate an air contaminant source in accordance with emissions limitations and monitoring requirements set forth herein.

Date Issued: *****DRAFT***** **Permit Number:** 877419
Effective Dates: *****DRAFT*****

Issued By:
Tennessee Air Pollution Control Board
Tennessee Department of Environment and Conservation

Issued To:
Tennessee Valley Authority
Cumberland Fossil Plant

Installation Address:
815 Cumberland City Road
Cumberland City

Emission Source Reference Number: 81-0011 **ORIS/Facility Code:** 3399

Acid Rain Permit Contents:

1. Statement of Basis.
2. SO₂ allowances allocated under this permit and NO_x requirements for each affected unit.
3. Standard Requirements (40 CFR §72.9 and TAPCR 1200-03-30-.01(6))
4. Comments, notes, and justifications regarding permit decisions and changes made to the permit application forms during the review process, and any additional requirements or conditions.
5. The permit application and NO_x compliance plan submitted for this source, as corrected by the Tennessee Department of Environment and Conservation. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.
6. Summary of previous actions and present action.

TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

POST AT INSTALLATION ADDRESS

1. Statement of Basis

Statutory and Regulatory Authorities: In accordance with Tennessee Code Annotated 68-201-105 and 4-5-202 and Titles IV and V of the Clean Air Act, the Tennessee Air Pollution Control Board and Tennessee Department of Environment and Conservation issue this permit pursuant to TAPCR 1200-03-30 and 1200-03-09-.02(11) and 40 CFR Part 76.

2. SO₂ Allowance Allocations and NO_x Requirements for each affected unit

		2020	2021	2022	2023	2024
Unit 1	SO₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	37,451	37,451	37,451	37,451	37,451
	NO_x limit	<p>Pursuant to 40 CFR Part 76, the Tennessee Department of Environment and Conservation approves the NO_x emissions averaging plan for this unit dated April 5, 2019. This unit’s NO_x emissions shall not exceed the annual average alternative contemporaneous emission limitation (ACEL) of 0.56 lb/MMBtu. In addition, this unit shall not have an annual heat input greater than 37,344,914 MMBtu.</p> <p>The actual Btu-weighted annual average NO_x emissions rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emissions rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emissions limitations under 40 CFR §76.5, §76.6, or §76.7, except that for any early election units, the applicable emissions limitations shall be under 40 CFR §76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR §76.11(d)(1)(ii)(A)) is met for a year, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.</p> <p>In accordance with 40 CFR §72.40(b)(2), approval of the averaging plan shall be final only when the Kentucky Department for Environmental Protection and Memphis-Shelby County Health Department have also approved the averaging plan.</p> <p>In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.</p>				

		2020	2021	2022	2023	2024
Unit 2	SO₂ allowances, under Tables 2, 3, or 4 of 40 CFR Part 73	40,967	40,967	40,967	40,967	40,967
	NO_x limit	<p>Pursuant to 40 CFR Part 76, the Tennessee Department of Environment and Conservation approves the NO_x emissions averaging plan for this unit dated April 5, 2019. This unit’s NO_x emissions shall not exceed the annual average alternative contemporaneous emission limitation (ACEL) of 0.56 lb/MMBtu. In addition, this unit shall not have an annual heat input greater than 37,017,548 MMBtu.</p> <p>The actual Btu-weighted annual average NO_x emissions rate for the units in the plan shall be less than or equal to the Btu-weighted annual average NO_x emissions rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emissions limitations under 40 CFR §76.5, §76.6, or §76.7, except that for any early election units, the applicable emissions limitations shall be under 40 CFR §76.7. If the designated representative demonstrates that the requirement of the prior sentence (as set forth in 40 CFR §76.11(d)(1)(ii)(A)) is met for a year, then this unit shall be deemed to be in compliance for that year with its alternative contemporaneous annual emission limitation and annual heat input limit.</p> <p>In accordance with 40 CFR §72.40(b)(2), approval of the averaging plan shall be final only when the Kentucky Department for Environmental Protection and Memphis-Shelby County Health Department have also approved the averaging plan.</p> <p>In addition to the described NO_x compliance plan, this unit shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO_x compliance plan and requirements covering excess emissions.</p>				

3. **Standard Requirements (40 CFR §72.9 and TAPCR 1200-03-30-.01(6)):** Included with permit application.
4. **Comments, Notes, and Justifications:** Affected units are two (2) coal fired boilers.
5. **Permit Application and NO_x Compliance Plan:** Attached.
6. **Summary of Previous Actions and Present Action:**

Previous Actions:

1. Initial draft permit, including SO₂ compliance plan, issued for public comment: **August 5, 1997**
2. SO₂ portion of permit finalized and issued: **November 10, 1997**
3. Permit revised to include a draft NO_x Emissions Early Election Compliance Plan for Units 1 and 2, issued for public comment on the NO_x portion only: **October 8, 1998**
4. NO_x portion of permit finalized and issued: **April 1, 1999**
5. Permit revised to include a draft NO_x Averaging Plan for Units 1 and 2, issued for public comment on the NO_x portion only: **February 20, 2001**
6. Permit, including NO_x Averaging Plan, finalized and issued: **May 14, 2001**
7. Draft renewal permit 863257 issued for public comment: **May 12, 2015**
8. Renewal permit 863257 finalized and issued: **June 29, 2015**

Present Action:

9. Draft renewal permit 877419 issued for public comment: **Pending**

Attachment:
Acid Rain Permit Application and
NO_x Averaging Plan

Facility (Source) Name (from STEP 1) Cumberland
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STEP 3**Read the standard requirements.****Permit Requirements**

- (1) The designated representative of each affected source and each affected unit at the source shall:
 - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the source or unit, as appropriate, with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements

- (1) The owners and operators of each source and each affected unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the source's compliance account (after deductions under 40 CFR 73.34(c)), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the affected units at the source; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements

The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Facility (Source) Name (from STEP 1) Cumberland
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STEP 3, Cont'd.**Excess Emissions Requirements**

- (1) The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an affected source that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
 - (i) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR part 75, provided that to the extent that 40 CFR part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
 - (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.
- (2) The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability

- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source.
- (6) Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Facility (Source) Name (from STEP 1) **Cumberland**

STEP 3, Cont'd.

Effect on Other Authorities

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

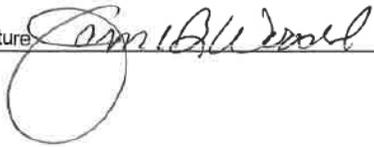
- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a source can hold; provided, that the number of allowances held by the source shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4

Certification

Read the certification statement, sign, and date.

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name Jacinda B. Woodward	
Signature 	Date 8/21/2019



Instructions for the Acid Rain Program Permit Application

The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.

Please type or print. If assistance is needed, contact the title V permitting authority.

- STEP 1** A Plant Code is a 4 or 5 digit number assigned by the Department of Energy's (DOE) Energy Information Administration (EIA) to facilities that generate electricity. For older facilities, "Plant Code" is synonymous with "ORISPL" and "Facility" codes. If the facility generates electricity but no Plant Code has been assigned, or if there is uncertainty regarding what the Plant Code is, send an email to the EIA. The email address is EIA-860@eia.gov.
- STEP 2** In column "a," identify each unit at the facility by providing the appropriate unit identification number, consistent with the identifiers used in the Certificate of Representation and with submissions made to DOE and/or EIA. Do not list duct burners. For new units without identification numbers, owners and operators must assign identifiers consistent with EIA and DOE requirements. Each Acid Rain Program submission that includes the unit identification number(s) (e.g., Acid Rain permit applications, monitoring plans, quarterly reports, etc.) should reference those unit identification numbers in exactly the same way that they are referenced on the Certificate of Representation.

Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 343-9620.

Paperwork Burden Estimate

The public reporting and record keeping burden for this collection of information is estimated to average 8 hours per response. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW., Washington, D.C. 20460. Include the OMB control number in any correspondence. **Do not send the completed form to this address.**

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0258
Approval expires 11/30/2018



Acid Rain NO_x Averaging Plan

For more information, see instructions and refer to 40 CFR 76.11 Page 1

This submission is: New Revised Page 1 of 3

STEP 1

Identify the units participating in this averaging plan by plant name, State, and unit ID. In column (a), fill in each unit's applicable emission limitation from 40 CFR 76.5, 76.6, or 76.7. In column (b), assign an alternative contemporaneous annual emissions limitation (ACEL) in lb/mmBtu to each unit. In column (c), assign an annual heat input limitation in mmBtu to each unit. Continue to page 3 if necessary.

Plant Name	State	Unit ID#	(a) Emission Limitation	(b) ACEL	(c) Annual Heat Input Limit
Allen Unit	TN	1	0.86	0.5	1,222,905
Allen Unit	TN	2	0.86	0.5	2,423,641
Allen Unit	TN	3	0.86	0.5	641,315
Bull Run	TN	1	0.4	0.35	3,836,292
Cumberland Unit	TN	1	0.68	0.56	37,344,914
Cumberland Unit	TN	2	0.68	0.56	37,017,548
Gallatin Unit	TN	1	0.45	0.29	3,581,403
Gallatin Unit	TN	2	0.45	0.29	3,999,690
Gallatin Unit	TN	3	0.45	0.29	4,612,994

STEP 2

Use the formula to enter the Btu-weighted annual emission rate averaged over the units if they are operated in accordance with the proposed averaging plan and the Btu-weighted annual average emission rate for the same units if they are operated in compliance with 40 CFR 76.5, 76.6, or 76.7. The former must be less than or equal to the latter.

Btu-weighted annual emission rate averaged over the units if they are operated in accordance with the proposed averaging plan

0.48

$$\frac{\sum_{i=1}^n (R_{Li} \times HI_i)}{\sum_{i=1}^n HI_i}$$

Btu-weighted annual average emission rate for same units operated in compliance with 40 CFR 76.5, 76.6 or 76.7

0.57

$$\frac{\sum_{i=1}^n [R_{Li} \times HI_i]}{\sum_{i=1}^n HI_i}$$

≤

Where,

- R_{Li} = Alternative contemporaneous annual emission limitation for unit i, in lb/mmBtu, as specified in column (b) of Step 1;
- R_{ri} = Applicable emission limitation for unit i, in lb/mmBtu, as specified in column (a) of Step 1;
- HI_i = Annual heat input for unit i, in mmBtu, as specified in column (c) of Step 1;
- n = Number of units in the averaging plan

Tennessee Valley Authority

NOx Averaging - Page 2

STEP 3

Identify the first calendar year in which this plan will apply.

January 1, 2019

STEP 4

Special Provisions

Read the special provisions and certification, enter the name of the designated representative, and sign and date.

Emission Limitations

Each affected unit in an approved averaging plan is in compliance with the Acid Rain emission limitation for NO_x under the plan only if the following requirements are met:

- (i) For each unit, the unit's actual annual average emission rate for the calendar year, in lb/mmBtu, is less than or equal to its alternative contemporaneous annual emission limitation in the averaging plan, and
 - (a) For each unit with an alternative contemporaneous emission limitation less stringent than the applicable emission limitation in 40 CFR 76.5, 76.6, or 76.7, the actual annual heat input for the calendar year does not exceed the annual heat input limit in the averaging plan,
 - (b) For each unit with an alternative contemporaneous emission limitation more stringent than the applicable emission limitation in 40 CFR 76.5, 76.6, or 76.7, the actual annual heat input for the calendar year is not less than the annual heat input limit in the averaging plan, or
- (ii) If one or more of the units does not meet the requirements of (i), the designated representative shall demonstrate, in accordance with 40 CFR 76.11(d)(1)(ii)(A) and (B), that the actual Btu-weighted annual average emission rate for the units in the plan is less than or equal to the Btu-weighted annual average rate for the same units had they each been operated, during the same period of time, in compliance with the applicable emission limitations in 40 CFR 76.5, 76.6, or 76.7.
- (iii) If there is a successful group showing of compliance under 40 CFR 76.11(d)(1)(ii)(A) and (B) for a calendar year, then all units in the averaging plan shall be deemed to be in compliance for that year with their alternative contemporaneous emission limitations and annual heat input limits under (i).

Liability

The owners and operators of a unit governed by an approved averaging plan shall be liable for any violation of the plan or this section at that unit or any other unit in the plan, including liability for fulfilling the obligations specified in part 77 of this chapter and sections 113 and 411 of the Act.

Termination

The designated representative may submit a notification to terminate an approved averaging plan, in accordance with 40 CFR 72.40(d), no later than October 1 of the calendar year for which the plan is to be terminated.

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name <i>Jacinda B. Woodward</i>	
Signature <i>Jacinda B. Woodward</i>	Date <i>4/5/2019</i>

Tennessee Valley Authority

NOx Averaging - Page 3

STEP 1
Continue the identification of units from Step 1, page 1, here.

Plant Name	State	Unit ID#	Emission Limitation	(a)	(b)	(c)
					Alt. Contemp. Emission Limitation	Annual Heat Input Limit
Gallatin Unit	TN	4	0.45		0.29	5,673,282
Kingston Unit	TN	1	0.4		0.35	269,896
Kingston Unit	TN	2	0.4		0.35	1,927,741
Kingston Unit	TN	3	0.4		0.35	1,260,728
Kingston Unit	TN	4	0.4		0.35	527,044
Kingston Unit	TN	5	0.4		0.35	1,483,090
Kingston Unit	TN	6	0.4		0.35	583,999
Kingston Unit	TN	7	0.4		0.35	85,462
Kingston Unit	TN	8	0.4		0.35	94,881
Kingston Unit	TN	9	0.4		0.35	2,571,951
Paradise Unit	KY	3	0.86		0.8	4,156,453
Shawnee Unit	KY	1	0.46		0.43	6,048,050
Shawnee Unit	KY	2	0.46		0.43	7,173,107
Shawnee Unit	KY	3	0.46		0.43	7,573,544
Shawnee Unit	KY	4	0.46		0.43	6,486,850
Shawnee Unit	KY	5	0.46		0.43	7,083,412
Shawnee Unit	KY	6	0.46		0.43	7,492,177
Shawnee Unit	KY	7	0.46		0.43	6,347,662
Shawnee Unit	KY	8	0.46		0.43	7,067,008
Shawnee Unit	KY	9	0.46		0.43	7,888,500