



COMMONWEALTH of VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE

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Secretary of Natural Resources

David K. Paylor
Director

Michael P. Murphy
Regional Director

Article 3
Federal Operating Permit

This permit renewal is based upon Federal Clean Air Act acid rain permitting requirements of Title IV, federal operating permit requirements of Title V; and Chapter 80, Article 3 and Chapter 140 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13: 10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, 9 VAC 5-80-360 through 9 VAC 5-80-700, and 9 VAC 5-140-10 through 9 VAC 5-140-900 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Virginia Electric and Power Company
Facility Name:	Dominion - Bellemeade Power Station
Facility Location:	1860 Commerce Road, Richmond, VA 23224
VA Registration Number:	50988
Permit Number:	PRO50988

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act (Sections I through IX)

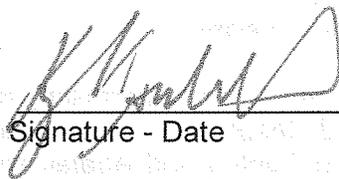
Federally Enforceable Requirements – Title IV Acid Rain (Section X)

Federally Enforceable Requirements – Clean Air Interstate Rule, CAIR Requirements (Section XI)

January 1, 2014
Effective Date

December 31, 2018
Expiration Date

Kyle Ivar Winter, P.E.
Deputy Regional Director


Signature - Date

- October 23, 2013

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Permit Conditions, 26 pages

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I. Facility Information

Permittee

Virginia Electric and Power Co.
5000 Dominion Boulevard
Glen Allen, VA 23060

Responsible Official

Richard T. Elder
Station Director

Acid Rain Designated Representative

Edward H. Baine
Vice President
USEPA ATS-AAR ID Number 606670

Facility ID

Dominion - Bellemeade Power Station
1860 Commerce Road,
Richmond, VA 23224

Facility Contact Person

Ms. Cathy C. Taylor
Director, Electric Environmental Services
(804) 273-2929

County-Plant Identification Number: 51-760-00389

ORIS Code: 050966

Facility Description:

NAICS Code: 221112 Fossil fuel electric power generation

SIC Code: 4911 Electric Services

The Bellemeade Power Station is a 267 MW electric power generating facility located in Richmond, Virginia. The facility operates two (2) 1,163.5 MMBtu/hr combined cycle ASEA Brown Boveri Type 11N combustion turbines in conjunction with two (2) 80 MMBtu/hr duct burners to generate electricity using natural gas and no. 2 distillate oil fuels. Other auxiliary equipment includes a 890 HP distillate oil-fired Caterpillar emergency generator and a 208 HP diesel fire pump. The gas turbines are subject to provisions of 40 CFR 60 (NSPS) Subpart GG and the duct burners are subject to NSPS Subpart Dc. The facility is a Title V major source due to its potential NO_x, SO₂, and CO emissions. This source is located in an attainment area for all criteria pollutants.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Nominal Capacity	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
ES-1A (Gas) ES-1B (Oil)	EP-1	Unit 1 ASEA Brown Boveri Type 11N Combustion Turbine	1163.5 mmBtu/hr 1081.3 mmBtu/hr	ABB Steam Injection System & Babcock - Hitachi Dry Catalytic System	CD-1 & CD-3	NO _x	NSR permit issued 8/5/2013
ES-2A (Gas) ES-2B (Oil)	EP-2	Unit 2 ASEA Brown Boveri Type 11N Combustion Turbine	1163.5 mmBtu/hr 1081.3 mmBtu/hr	ABB Steam Injection System & Babcock - Hitachi Dry Catalytic System	CD-2 & CD-4	NO _x	NSR permit issued 8/5/2013
ES-3A (Gas) ES-3B (Oil)	EP-1	John Zink Co. - Unit 1 Combustion Turbine Duct Burners	80 mmBtu/hr	ABB Steam Injection System & Babcock - Hitachi Dry Catalytic System	CD-1 & CD-3	NO _x	NSR permit issued 8/5/2013
ES-4A (Gas) ES-4B (Oil)	EP-2	John Zink Co. - Unit 2 Combustion Turbine Duct Burners	80 mmBtu/hr	ABB Steam Injection System & Babcock - Hitachi Dry Catalytic System	CD-2 & CD-4	NO _x	NSR permit issued 8/5/2013
ES-7	EP-7	Caterpillar Emergency Diesel Generator	890 hp/664.0 kW	-	-	-	NSR permit issued 8/5/2013
ES-8	None	Cummins Diesel Fire Pump	208 HP				Exemption issued 11/20/2012
Process Equipment:							
IS-10	Fugitive	Non-Halogenated Cold Solvent Degreaser	30 gallons	None		VOC	Title V permit issued 10/22/2013

III. Fuel Burning Equipment Requirements – (emission unit ID# ES-1, ES-2, ES-3, and ES-4)

A. Limitations

1. Except where this permit is more restrictive than the applicable requirement, the gas turbines (ES-1 and ES-2) shall be operated in compliance with the requirements of 40 CFR Part 60, Subpart GG. (9 VAC 5-50-410, Subpart GG, 9 VAC 5-80-490 B & C, and Condition 2 of the NSR permit issued August 5, 2013)
2. The two duct burners (ES-3 and ES-4) are subject to 40 CFR, Part 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The permittee shall comply with all applicable provisions of said standards of performance. Emission standards, if different from this subpart, are covered under Condition III.A.10 and include State limits not covered by NSPS. (9 VAC 5-50-410, Subpart Dc, and 9 VAC 5-80-490 B & C)
3. Nitrogen oxides emissions from each gas turbine/heat recovery steam generator (HRSG) duct burner set (ES-1/ES-3 & ES-2/ES-4) shall be controlled by steam injection followed by selective catalytic reduction. The emission control system shall be provided with adequate access for inspection. (9 VAC 5-80-490 B & C, and Condition 3 of the NSR permit issued August 5, 2013)
4. Sulfur dioxide emissions from each gas turbine/HRSG duct burner set (ES-1/ES-3 & ES-2/ES-4) shall be controlled by limiting the sulfur content of the fuel as follows:

No. 2 Distillate Oil	0.2 percent by weight maximum (for each gas turbine/HRSG duct burner set)
Natural Gas	0.22 grains per 100 cubic foot at standard conditions, annual rolling average (for each gas turbine/HRSG duct burner set)

The permittee shall maintain records of all sample analysis reports indicating sulfur content of the natural gas and the No.2 distillate oil. Sampling frequency of the No. 2 Distillate Oil used in the turbines/HRSG duct burners shall be as specified in Section 60.334 of Subpart GG. Test method shall be according to Section 60.335 (b) (2) (i) of Subpart GG. These records shall be available for inspection by the DEQ. Such records shall be current for the most recent five (5) years. (9 VAC 5-50-410, 9 VAC 5-80-490 B & C, and Condition 4 of the NSR permit issued August 5, 2013)

5. The approved fuels for the gas turbines/HRSG duct burners (duct burners, natural gas only until satisfactory opacity test) are natural gas and No. 2 distillate oil. A change in fuel may require a permit to modify and operate. (9 VAC 5-80-490 B & C and Condition 5 of the NSR permit issued August 5, 2013)
6. The two gas turbines (ES-1 and ES-2) shall consume a combined total of no more than the following quantities of fuels annually, calculated as the sum of each

consecutive 12 month period:

a. Natural gas: $14,221 \times 10^6$ cubic feet at standard conditions maximum when used 100 percent throughout the year.

b. The allowable quantity of natural gas consumed annually in the gas turbines (NG_{GT}) shall be reduced when No. 2 distillate oil is used, according to the following formula:

Annual NG_{GT} =

$$14,221 \times 10^6 \text{ std ft}^3 - \frac{\text{Gallons No. 2 distillate oil used in turbines}}{6800.7 \text{ gallons per hour}} \times 974 \times 10^3$$

c. No. 2 distillate oil: $13,601 \times 10^3$ gallons maximum (in the numerator of the second term of formula I.A.6.b). This maximum allowable annual No. 2 distillate oil consumption limit shall be reduced by an amount determined by the following formula:

$$\frac{(\text{Annual } NG_{GT} - 12,273 \times 10^6) \times 6800.7}{974 \times 10^3}$$

where Annual NG_{GT} is the quantity in I.A.6.b.
 (9 VAC 5-80-490 B & C, and Condition 7 of the NSR permit issued August 5, 2013)

7. The two duct burners (ES-3 and ES-4) together shall consume a combined total of no more than the following quantities of fuels annually, calculated as the sum of each consecutive 12 month period:

a. Natural gas: 504×10^6 cubic feet maximum at standard conditions when used 100 percent throughout the year.

b. In the event that satisfactory opacity testing with No. 2 distillate oil is conducted on the duct burners, the maximum allowable natural gas consumption limit (NG_{DB}) for the duct burners shall be reduced as follows:

Annual NG_{DB} =

$$504 \times 10^6 \text{ std ft}^3 - \frac{\text{Gallons No. 2 distillate oil used in duct burners}}{571.4 \text{ gallons per hour}} \times 77.5 \times 10^3$$

c. No. 2 distillate oil: 571×10^3 gallons maximum (in the numerator of the second term of formula I.A.7.b).

(9 VAC 5-80-490 B & C, and Condition 8 of the NSR permit issued August 5, 2013)

8. The permittee shall maintain adequate storage/supply of ammonia consistent with the needs and requirements of the facility.

(9 VAC 5-50-40E, 9 VAC 5-80-490 B & C, and Condition 10 of the NSR permit issued August 5, 2013)

9. Combustion products from the operation of each gas turbine (ES-1 or ES-2) prior to treatment by selective catalytic reduction (SCR), shall not exceed the limitations specified as follows:

<u>For Natural Gas Firing</u>		<u>lbs/hr</u>
PM (TSP)		0.6
PM ₁₀		0.6
SO ₂		0.7
NO _x	42.0 ppmvd at 15 percent O ₂ (4-hour average)	180.3
VOC		0.7
CO		28.0
<u>For Distillate Oil Firing</u>		
PM (TSP)		28.0
PM ₁₀		28.0
SO ₂	38.3 ppmvd at 15 percent O ₂ (1-hour average)	226.0
NO _x	65.0 ppmvd at 15 percent O ₂ (4-hour average)	273.6
VOC		8.0
CO		28.0
Lead		0.04

A "startup" is defined as the period commencing with ignition of the unit and consisting of two (2) hours of continuous emission monitoring system (CEMS) data.

A "shutdown" is defined as the period comprising the final two (2) hours of CEMS data prior to the time when no fuel is being combusted.

"Short term emission limits" represent averages for a one-hour average period for PM, SO₂, CO, VOC, and lead. "Short term emission limits" represent a four-hour rolling average for NO_x.

The exemption of emissions during startup and shutdown applies only to the lb/hr and ppm state limits of NO_x in the permit, but not to the ppm limits set forth in the NSPS 40 CFR 60 Subpart GG. The permit does not exclude the permittee from meeting the NO_x requirements in the NSPS, 40 CFR 60, Subpart GG, for startup and shutdown. The permittee is subject to all requirements of NSPS 40 CFR 60, Subpart GG. The NSPS at 60.334 (j) states that excess emissions shall be reported for all periods of unit operation, including startup, shutdown, and malfunction.

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Conditions III.A. 4 and 6.

(9 VAC 5-50-410, 9 VAC 5-80-490 B & C, and Condition 14 of the NSR permit issued August 5, 2013)

- Emissions from the operation of each duct burner (ES-3 or ES-4) shall not exceed the limitations specified below

<u>For natural gas firing</u>		<u>lbs/hr</u>
PM (TSP)		0.39
PM ₁₀		0.39
SO ₂		0.05
NO _x	8.2 ppmvd at 15 percent O ₂ (4-hour average)	---
VOC		7.6

CO 15.2

For distillate oil firing (only after permit amendment and satisfactory opacity testing)

	<u>lbs/hr</u>
PM (TSP)	3.1
PM ₁₀	3.1
SO ₂ 38.3 ppmvd at 15 percent O ₂ (1-hour average)	16.7
NO _x 11.7 ppmvd at 15 percent O ₂ (4-hour average)	--
VOC	12.0
CO	24.0
Lead	0.0013

The NO_x emissions from each stack when burning either natural gas or No. 2 oil shall not exceed 8.2 and 11.7 ppmvd at 15 percent O₂, respectively, after exhaust gas treatment by SCR.

(9 VAC 5-80-490 B & C, and Condition 15 of the NSR permit issued August 5, 2013)

11. Toxic pollutant emissions from the operation of the gas turbines/HRSG duct burners (ES-1/ES-3 & ES-2/ES-4) shall be limited by the fuel consumption limits in Conditions I.A.6 and I.A.7.
 (9 VAC 5-80-490 B & C, and Condition 17 of the NSR permit issued August 5, 2013)

12. Visible emissions from each gas turbine/HRSG duct burner stack (EP-1 & EP-2) shall not exceed 20 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A), except as provided in 9 VAC 5-50-80 of State Regulations.
 (9 VAC 5-50-80, 9 VAC 5-80-490 B & C, and Condition 18 of the NSR permit issued August 5, 2013)

B. Monitoring and Recordkeeping

1. The permittee shall install and operate a continuous monitoring system to monitor and record the fuel consumption and the ratio of water injected to fuel being fired in each turbine (ES-1 or ES-2). This system shall be accurate to within ± 5.0 percent and shall be approved by the Administrator.
 (40 CFR 60.334(a), 9 VAC 5-50-410, and 9 VAC 5-80-490 E & F)

2. The permittee shall monitor the sulfur content of the No. 2 distillate oil being fired in the combustion turbines (ES-1 & ES-2) in accordance with 40 CFR Section 60.334(b). Records of all sample analysis reports indicating sulfur content of the distillate oil shall be maintained. Sampling frequency shall be as specified in 40 CFR Section 60.335(b) of NSPS Subpart GG.
 (9 VAC 5-50-50, 9 VAC 5-50-410, 9 VAC 5-80-490 E & F, and Conditions 4 and 19 of the NSR permit issued August 5, 2013)

3. Records of all sample analysis reports indicating sulfur content of the natural gas shall be maintained. An analysis of the sulfur content of the natural gas shall be conducted twice per year during the first and third quarter of each calendar year. If any sulfur analysis indicates noncompliance with 40 CFR Section 60.333, the owner or operator shall notify the US EPA Regional Office Air Division of such excess

emissions and the custom fuel monitoring schedule shall be conducted weekly during the interim period when this custom schedule is being re-examined. A change in the fuel supply shall also cause a review of the custom fuel monitoring schedule. The content and format of such records shall be arranged with the Director, Piedmont Regional Office. These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-50-50, 9 VAC 5-80-490 E & F, and Conditions 4 and 19 of the NSR permit issued August 5, 2013)

4. The permittee shall install and operate continuous monitoring systems to monitor and record:
 - a. Nitrogen oxides concentration at each gas turbine/HRSG duct burner (EP-1 & EP-2).
 - b. Oxygen or carbon dioxide concentration at each gas turbine/HRSG duct burner (EP-1 & EP-2).

The CEMS shall be installed, maintained, calibrated and operated in accordance with the performance specifications and test procedures (as applicable) identified in 40 CFR Part 75, Appendices A and B (except when reporting data to meet the requirements of 40 CFR 60 Subpart GG; then bias adjustment of valid hourly data, and data substitution for monitor downtime will not be used). All continuous monitoring systems shall comply with the requirements of 40 CFR, Part 60, Section 60.13.

(9 VAC 5-50-40, 9 VAC 5-80-490 E & F, and Conditions 11 of the NSR permit issued August 5, 2013)

5. The permittee shall install and operate ammonia flow meter devices to measure and record the injection rate of ammonia to the selective catalytic reduction systems (CD-3 & CD-4). These devices shall be maintained and calibrated according to the manufacturer's specifications.

(9VAC 5-50-40, 9 VAC 5-80-490 E & F, and Condition 12 of the NSR permit issued August 5, 2013)

C. Testing

1. The permitted facility shall be designed and constructed to allow emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. The permittee shall provide sampling ports adequate for test methods applicable to each gas turbine/HRSG duct burner (ES-1/ES-3 & ES-2/ES-4) including safe sampling platforms, safe access to platforms and utilities for sampling and testing equipment.
(9VAC 5-50-30 F, 9 VAC 5-80-490 B, and Condition 6 of the NSR permit issued August 5, 2013)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method (40 CFR Part 60, Appendix A)
VOC	EPA Methods 18, 25, 25a
NO _x	EPA Method 7
SO ₂	EPA Method 6
CO	EPA Method 10
PM/PM ₁₀	EPA Methods 5, 202/17, 201A
Visible Emission	EPA Method 9

The Department and EPA have the authority to require testing not included in this permit, if necessary to determine compliance with an emission limit or standard. Alternative test methods may be used upon written approval from the Director. (9 VAC 5-80-490 E)

D. Reporting

The permittee shall submit excess NO_x emission reports to the Director, Piedmont Regional Office within 30 days after the end of each calendar quarter for which there are excess emissions as described in 40 CFR 60 Subpart GG. Details of the quarterly reports are to be arranged with the Director, Piedmont Regional Office. If there are no excess NO_x emissions during the calendar quarter, the permittee shall submit a report semiannually stating that no excess emission occurred during the semiannual reporting period. The initial quarterly report shall be submitted to the Director, Piedmont Regional Office, postmarked by the 30th day of the end of the previous quarter, unless no excess emissions occur during that quarter. Each subsequent quarterly or semiannual report shall be postmarked by the 30th day following the end of the reporting period. All quarterly and semiannual monitoring reports shall conform to the Continuous Emission Monitoring System Report Format enclosed with the NSR permit issued August 5, 2013. (9 VAC 5-50-50 E, 9 VAC 5-80-490 F, and Conditions 13 of the NSR permit issued August 5, 2013)

IV. Fuel Burning Equipment Requirements – Emergency Diesel Fire Pump (Unit Ref. No. ES-8) and Emergency Diesel Generator (Unit Ref. No. ES-7)

A. Limitations

1. The approved fuel for the emergency diesel generator (ES-7) is No. 2 distillate oil. A change in the fuels may require a permit to modify and operate. (9 VAC 5-80-490 B & C, and Condition 5 of the NSR permit issued August 5, 2013)
2. The emergency diesel electric generator (ES-7) shall not consume more than 6,136 gallons of No. 2 distillate oil per year, calculated as the sum of each consecutive 12 month period. (9 VAC 5-80-490 B & C, and Condition 9 of the NSR permit issued August 5, 2013)
3. Sulfur dioxide emissions from the emergency diesel generator (ES-7) shall be controlled by limiting the sulfur content of the fuel as follows:

No. 2 Distillate Oil 0.2 percent by weight maximum (for the emergency diesel generator)

The permittee shall maintain records of all sample analysis reports indicating sulfur content of the No.2 distillate oil. These records shall be available for inspection by the DEQ. Such records shall be current for the most recent five (5) years.

(9 VAC 5-80-490 B & C, and Condition 4 of the NSR permit issued August 5, 2013)

4. As stated in the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE MACT, Subpart ZZZZ), the facility shall, as a minimum:
 - a. Change oil and filter every 500 hours of operation or annually, whichever comes first, for each engine;
 - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
 - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

(9 VAC 5-80-490 B & C, 40 CFR §§63.6625 (h) and Table 2d (4) of 40 CFR 63 Subpart ZZZZ)
5. Except as specified in this permit, the facility shall comply with all the requirements of *Maximum achievable control technology standards (MACT)*, Subpart ZZZZ that are applicable to the emergency generator (ES-7) and the diesel fire pump (ES-8).

(9 VAC 5-80-490 B & C and 40 CFR 63 Subparts A and ZZZZ)

B. Monitoring and Recordkeeping

1. Each of the engines of the emergency diesel generator (ES-7) and the emergency fire pump (ES-8) shall be equipped with a non-resettable hour metering device to monitor the operating hours. The non-resettable hour meter used to continuously measure the hours of operation for each engine shall be observed by the owner with a frequency of not less than once each day the engine is operated. The owner shall keep a log of these observations.

Each monitoring device shall be installed, maintained, calibrated (as appropriate) and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the engine-generator set is operating.

(9 VAC 5-80-490 E & F and 40 CFR §63.6625(f) of 40 CFR 63 Subpart ZZZZ)

2. The facility shall keep the records of the hours of operation of each engine (ES-7 or ES-8) that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(9 VAC 5-80-490 E & F and 40 CFR §63.6655(f) of 40 CFR 63 Subpart ZZZZ)

3. The facility shall keep the records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE is operated and maintained according to its own maintenance plan.
(9 VAC 5-80-490 E & F and 40 CFR §63.6655(e) of 40 CFR 63 Subpart ZZZZ)
4. The facility must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The facility must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).
(9 VAC 5-80-490 E & F and 40 CFR §63.6660 of 40 CFR 63 Subpart ZZZZ)

C. Reporting

If the emergency generator (ES-7) operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes (emergency demand response) specified in 40CFR § 63.6640(f)(2)(ii) and (iii) or that operates for the purpose (non-emergency demand response) specified in 40 CFR § 63.6640(f)(4)(ii), the facility shall submit an annual report according to the requirements in paragraphs 40 CFR § 63.6650 (h)(1) through (3) of MACT ZZZZ.

(9 VAC 5-80-490F, 40 CFR §63.6640, and 40 CFR §63.6650 of 40 CFR 63 Subpart ZZZZ)

V. Process Equipment Requirements – Non-Halogenated Cold Solvent Degreaser (Emission Unit ID# IS-10)

A. Limitations

1. The permittee shall not use or permit the use of the parts cleaner (IS-10) unless the parts cleaner is equipped with a control method that will remove, destroy or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions.
(9VAC 5-80-490 B & C and 9 VAC 5-40-3280 C)
2. Achievement of the emission standard in Condition IV.A.1 by the use of the methods in Conditions V.A.3 and 4 will be acceptable.
(9 VAC 5-80-490 B & C and 9 VAC 5-40-3280 C)
3. Control Requirements for parts cleaner (IS-10)
 - a. Covers or enclosed remote reservoirs should be provided. Covers should be designed so that they can be easily operated with one hand. (Covers for larger parts cleaners may require mechanical assistance, by spring loading, counterweighting or powered systems). Enclosed remote reservoirs should be designed such that they provide reduction effectiveness equivalent to that of a cover.
 - b. External or internal drainage facilities should be provided to collect and return the solvent to a closed container or a solvent cleaning machine. If solvent volatility is greater than 0.6 psi measured at 100°F; then the drainage facilities should be

internal, so that parts are enclosed under the cover while draining. The drainage facilities may be external for applications where an internal type cannot fit into the cleaning system.

- c. A permanent label, summarizing the operating procedures in Condition V.A. 4. a., b., and c., should be placed in a conspicuous location on or near the parts cleaner.
- d. If used, the solvent spray should be a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.
- e. If solvent volatility is greater than 0.6 psi measured at 100°F, or if solvent is heated above 120°F, then the parts cleaner (if the open area is greater than 20 ft²) should be equipped with one of the following vapor control methods:
 - (1) Freeboard ratio that is equal to or greater than 0.7;
 - (2) Water cover (solvent should be insoluble in and heavier than water);
 - (3) Refrigerated chiller (a secondary set of condensing coils operating with a coolant of less than 40°F);
 - (4) Carbon adsorption system, with ventilation of 50 cfm/ft² or greater of air/vapor area (when down-time covers are open), and exhausting less than 25 ppm of solvent by volume averaged over a complete adsorption cycle; or
 - (5) Any method of equal or greater control efficiency to the methods in Condition IV.A.3.e (1) through (4) provided such method is approved by DEQ.

(9VAC 5-80-490 B & C and 9 VAC 5-40-3290 C)

4. The parts cleaner (IS-10) shall be operated in the following manner to minimize volatile organic compound emissions:
 - a. Waste solvent should not be disposed of or transferred to another party, such that greater than 20% of the waste (by weight) can evaporate into the atmosphere. Store waste solvent only in closed containers.
 - b. The parts cleaner cover should be closed whenever not handling parts in the cleaner.
 - c. Cleaned parts should drain for at least 15 seconds or until dripping ceases.
- (9VAC 5-80-490 B & C and 9 VAC 5-40-3290 C)

5. Disposal of waste solvent from the parts cleaner (IS-10) should be by one of the following methods:

- a. Reclamation (either by outside services or in-house).
- b. Incineration.
 (9 VAC 5-80-490 B & C and 9 VAC 5-40-3290 D)

B. Monitoring and Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Director, Piedmont Regional Office. These records shall include, but are not limited to:

- a. Records documenting that each solvent metal cleaning operation (cold cleaning) at the facility is in compliance with the requirements of Conditions V A & B.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-80-490 E & F)

VI. Facility-Wide Conditions

A. Limitations

1. Aggregate annual emission limits of the following criteria pollutants shall not exceed the quantities specified below:

PM (TSP)	41.9 tons per year
PM ₁₀	41.9 tons per year
Nitrogen Oxides	239.0 tons per year
Carbon Monoxide	243.3 tons per year
Sulfur Dioxide	215.0 tons per year
VOC	58.1 tons per year

Each pollutant's annual emissions shall be calculated as follows:

$$\text{NO}_x \text{ ton/year} = \frac{(1 - 0.805) \text{ ton/lb}}{2 \times 10^9 \text{ scf/MMcf}} \times (\text{NG}_{\text{GT}} \text{ scf} \times 156 \text{ lb/MMcf}) + (\text{NG}_{\text{DB}} \text{ scf} \times 103.2 \text{ lb/MMcf}) +$$

$$\frac{1 - 0.805 \text{ (ton/lb)}}{2 \times 10^6 \text{ gal/Mgal}} \times (\text{FO}_{\text{GT}} \text{ gal} \times 32.7 \text{ lb/Mgal} + \text{FO}_{\text{DB}} \text{ gallons} \times 14 \text{ lb/Mgal})$$

$$\text{SO}_2 \text{ ton/year} = \frac{1 \text{ ton/lb}}{2 \times 10^9 \text{ scf/MMcf}} \times (\text{NG}_{\text{GT}} \text{ scf} \times 0.72 \text{ lb/MMcf}) + (\text{NG}_{\text{DB}} \text{ scf} \times 0.65 \text{ lb/MMcf}) +$$

$$\frac{1 \text{ ton/lb}}{2 \times 10^6 \text{ gal/Mgal}} \times (\text{FO}_{\text{GT}} \text{ gallons} \times 29.7 \text{ lb/Mgal} + \text{FO}_{\text{DB}} \text{ gallons} \times 29.2 \text{ lb/Mgal})$$

$$\text{CO ton/year} = \frac{1 \text{ ton/lb}}{2 \times 10^9 \text{ scf/MMcf}} \times (\text{NG}_{\text{GT}} \text{ scf} \times 26.3 \text{ lb/MMcf}) + (\text{NG}_{\text{DB}} \text{ scf} \times 196 \text{ lb/MMcf}) +$$

$$\frac{1 \text{ ton/lb}}{2 \times 10^6 \text{ gal/Mgal}} \times (\text{FO}_{\text{GT}} \text{ gallons} \times 3.82 \text{ lb/Mgal} + \text{FO}_{\text{DB}} \text{ gallons} \times 42 \text{ lb/Mgal})$$

where:

NG_{GT} and NG_{DB} are the 12-month rolling averages of natural gas consumptions in the gas turbines and duct burners;

FO_{GT} and FO_{DB} are the 12-month rolling averages of fuel oil consumptions by the gas turbines and duct burners; and

Emissions recorded and calculated in accordance with the requirements of 40 CFR 75 shall be substituted for the nitrogen oxide and sulfur dioxide equations to demonstrate compliance with the annual emissions limits.

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition Nos. III.A. 6 and 7 and IV.A.2. (9 VAC 5-80-490 B, and Condition 16 of the NSR permit issued August 5, 2013)

2. Except as specified in this permit, the facility shall comply with all the mandatory greenhouse gas reporting requirements of 40 CFR Part 98 Subpart A and D. (9 VAC 5-80-490 B & C and 40 CFR 98 Subpart A and D)

B. Monitoring and Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit including process throughputs, recordkeeping, and reporting requirements of applicable NSPS and 9 VAC 5-50-50 of State Regulations. The content and format of such records shall be arranged with the Director, Piedmont Regional Office. These records shall be available for inspection by the DEQ and shall be current for the most recent five years. (9 VAC 5-50-50, 9 VAC 5-80-490F, and condition 19 of the NSR permit issued August 5, 2013)

VII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Pollutant Emitted (9 VAC 5-80-720 B.)	Rated Capacity (9 VAC 5-80-720 C.)
ES-6	Fuel Oil Day Tank	VOC	50,000 gallons

Emission Unit No.	Emission Unit Description	Pollutant Emitted (9 VAC 5-80-720 B.)	Rated Capacity (9 VAC 5-80-720 C.)
IS-2	Emergency Fuel Oil Tank (Diesel)	VOC	340 gallons
IS-4	Turbine Lube Oil System (Combustion Turbine Unit 1)	VOC	4000 gallons
IS-5	Turbine Lube Oil System (Combustion Turbine Unit 2)	VOC	4000 gallons
IS-6	Steam Turbine Lube Oil System & Hydraulic Oil System	VOC	250 gallons & 4000 gallons
IS-7	Oily Water Collection Sump	VOC	7000 gallons
IS-8	Oily Water Separation Tank	VOC	275 gallons
IS-9	Kerosene Storage Tanks (Model 358)	VOC	100 gallons
IS-11	Diesel fire pump fuel tank	VOC	275 gallons
IS-12	Ultra Low Sulfur Diesel Tank (former Kerosene Tank)	VOC	275 gallons
The regulatory citation for each of the insignificant activities is 9 VAC 5-80-720B - Insignificant due to emission levels.			

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-490 C, E, and F.

VIII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Non Applicability
9 VAC 5-40-60 (Rule 4-1)	Emission Standards for Visible Emissions and Fugitive Dust /Emissions	The duct burners are subject opacity standards listed in Dc which is more stringent than this rule.

Citation	Title of Citation	Description of Non Applicability
9 VAC 5-40-900 (Rule 4-8)	Particulate Matter Standard for Fuel Burning Equipment	This standard does not apply to stationary internal combustion engines, which include the emergency diesel feed water pump and the diesel firewater pump. The duct burners are subject to NSPS Subparts Dc that have more stringent particulate matter emissions limits.
9 VAC 5-40-930 (Rule 4-8)	Sulfur Dioxide Standard for Fuel Burning Equipment	This standard does not apply to stationary internal combustion engines, which include the emergency diesel feed water pump and the diesel firewater pump. The duct burners are subject to NSPS Subparts Dc, which have more stringent SO ₂ emissions limits.
40 CFR 60 Subpart D, Da, and Db	New Source Performance Standards for Fossil Fuel Fired Steam Generators, Electric Utility Steam Generating Units, and Industrial-Commercial-Institutional Steam Generating Units	Only Subpart Dc applies to the duct burners at this facility and no other NSPS under Subpart D applies because the nature and size of the activities at the facility.
40 CFR 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels	This standard does not apply to the fuel oil storage tanks because it is not applicable to units storing petroleum liquids with a vapor pressure less than 1.5 pounds per square inch.
40 CFR 60, Subpart IIII	Stationary Compression Ignition Internal Combustion Engines Standards	This Subpart does not apply to the emergency diesel generators and fire pump on site because they were constructed before July 11, 2005, the first applicability date of Subpart IIII.
40 CFR 60 Subpart KKKK	New Source Performance Standards for Combustion Turbines	The turbines were constructed prior to February 18, 2005, the applicability date of Subpart KKKK.

Citation	Title of Citation	Description of Non Applicability
40 CFR 60 Subpart YYYY	MACT for Combustion Turbines	This facility is not a major source of HAPS; therefore, Subpart YYYY does not apply.
40 CFR 63 Subpart UUUUU	Utility "Mercury and Air Toxics Standard" (MATS)	Although this facility is an electric utility facility, combustion turbines are not covered by the MATS rule. (40 CFR 63.9983 (a))
40 CFR 64	Compliance Assurance Monitoring (CAM)	The facility is exempt from CAM since the facility uses CEMS to monitor its NOx emissions and uses periodic sampling and analysis to monitor the sulfur content in the fuel oil that is used in the turbines.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
 (9 VAC 5-80-500)

IX. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.

(9 VAC 5-80-490 N)

B. Permit Expiration

1. This permit has a fixed term of five years. The expiration date shall be the date five years from the effective date of the permit. Unless the owner submits a timely and complete renewal application to DEQ consistent with 9 VAC 5-80-430, the right of the facility to operate shall terminate upon permit expiration.
2. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
3. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the

source without a permit shall not be a violation of Article 3, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-510.

4. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-430 for a renewal permit, except in compliance with a permit issued under Article 3, Part II of 9 VAC 5 Chapter 80.
5. If an applicant submits a timely and complete application under section 9 VAC 5-80-430 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-500, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
6. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-430 shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-430 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.
(9 VAC 5-80-430 B, C and F, 9 VAC 5-80-490 D and 9 VAC 5-80-530 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
 - a. The date, place as defined in the permit, and time of sampling or measurements.
 - b. The date(s) analyses were performed.
 - c. The company or entity that performed the analyses.
 - d. The analytical techniques or methods used.
 - e. The results of such analyses.
 - f. The operating conditions existing at the time of sampling or measurement.
(9 VAC 5-80-490 F)
2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9 VAC 5-80-490 F)
3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-430 G and shall include:

- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 inclusive and July 1 to December 31 inclusive.
- b. All deviations from permit requirements. For purposes of this permit, a deviation includes, but are not limited to:
 - Exceedance of emissions limitations or operational restrictions,
 - Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,
 - Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period." The time period included in the report. The time periods to be addressed are January 1 to June 30 inclusive and July 1 to December 31 inclusive.
(9 VAC 5-80-490 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to § 114(a)(3) and § 504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9VAC 5-80-430 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
2. A description of the means for assessing or monitoring the compliance of the source with its emissions limitations, standards, and work practices.
3. The identification of each term or condition of the permit that is the basis of the certification.
4. Consistent with subsection 9 VAC 5-80-490 E, the method or methods used for determining the compliance status of the source at the time of certification and over the certification period.
5. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
6. The status of compliance with the terms and conditions of this permit for the certification period.

7. Such other facts as the permit may require to determine the compliance status of the source.

One copy of the annual compliance certification shall be sent to EPA at the following address:

Clean Air Act Title V Compliance Certification (3AP00)
U.S. Environmental Protection Agency, Region III
1650 Arch Street
Philadelphia, PA 19103-2029.
(9 VAC 5-80-490 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Piedmont Regional Office, within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition IX.C.3 of this permit.

(9 VAC 5-80-490 F.2)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours, notify the Director, Piedmont Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within two weeks provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C, and 9 VAC 5-50-50 C, are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Piedmont Regional Office.

The following bracketed conditions should be included for emissions units that have continuous monitors required to meet the 9 VAC 5-40-41 or 9 VAC 5-50-410.

1. The emission units that have continuous monitors subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not subject to the two week written notification.
2. The emission units subject to the reporting and the procedure requirements of 9 VAC 5-40-50 C and the procedures of 9 VAC 5-50-50 C are listed below:

- a. Each natural gas turbine (ES-1A or ES-2A)
 - b. Each fuel oil turbine (ES-1B or ES-2B)
 - c. Each natural gas HRSG duct burner (ES-3A or ES-4A).
 - d. Each fuel oil HRSG duct burner (ES-3B or ES-4B)
3. Each owner required to install a continuous monitoring system subject to 9 VAC 5-40-41 or 9 VAC 5-50-410 shall submit a written report of excess emissions (as defined in the applicable emission standard) to the board for every calendar quarter. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter and shall include the following information:
- a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h) or 9 VAC 5-40-41 B 6, any conversion factors used, and the date and time of commencement and completion of each period of excess emissions;
 - b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the source. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;
 - c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
 - d. When no excess emissions have occurred or the continuous monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.
4. All emission units not subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C must make written reports within 14 days of the malfunction occurrence.
(9 VAC 5-20-180 C, 9 VAC 5-40-50, and 9 VAC 5-50-50)

G. Severability

If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.

(9 VAC 5-80-490 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds: for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

(9 VAC 5-80-490 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(9 VAC 5-80-490 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000, and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.

(9 VAC 5-80-490 G, 9 VAC 5-80-550, and 9 VAC 5-80-660)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.

(9 VAC 5-80-490 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the board, within a reasonable time, any information that the board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the board along with a claim of confidentiality.

(9 VAC 5-80-490 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-430 G.9.

(9 VAC 5-80-490 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-360 through 9 VAC 5-80-700 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the proceeding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.

(9 VAC 5-80-490 H)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished

without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited, to the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;
4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and
5. The prompt removal of spilled or traced dirt or other materials from paved streets and of dried sediments resulting from soil erosion.
(9 VAC 5-40-20 E, 9 VAC 5-50-90, and 9 VAC 5-50-50)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-40-20 E, and 9 VAC 5-50-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-500 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80 Article 3.
(9 VAC 5-80-490 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.
(9 VAC 5-80-490 K.2)

R. Reopening For Cause

The permit shall be reopened by the board if additional federal requirements become applicable to a major source with a remaining permit term of three or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-430 F.

1. The permit shall be reopened if the board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
2. The permit shall be reopened if the administrator or the board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
3. The permit shall not be reopened by the board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-490 D.
(9 VAC 5-80-490 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-510 G)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another or from one piece of equipment to another.
(9 VAC 5-80-520)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-560.
(9 VAC 5-80-520)
3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-560.
(9 VAC 5-80-520)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.
2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
 - a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
 - b. The permitted facility was at the time being properly operated.
 - c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
 - d. The permittee notified the board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-490 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.
3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any requirement applicable to the source.
4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.
(9 VAC 5-80-650)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 3. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any of the grounds for revocation or termination or for any other violations of these regulations.

(9 VAC 5-80-490 G & L, 9 VAC 5-80-640 and 9 VAC 5-80-660)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submits such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

(9 VAC 5-80-430 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substance subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.

(40 CFR Part 82, Subparts A - F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).

(9 VAC 5-60-70 and 9 VAC 5-80-490 A)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.

(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required, under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-490 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-490 except subsection N shall be included to determine compliance.
2. The permit shield described in 9 VAC 5-80-500 shall extend to all terms and conditions that allow such increases and decreases in emissions.
3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-360 through 9 VAC 5-80-700.
(9 VAC 5-80-490 I)

X. Title IV Permit (Phase II Acid Rain) Allowances and Requirements

Phase II Permit - The attached Phase II permit is incorporated into this permit by reference. The owners and operators of the source shall comply with the standard requirements and special provisions set forth in the application.
(9 VAC 5-80-440 and 9 VAC 5-80-490 A.4.a and c, B, C, E, F, M, O and P)

XI. Clean Air Interstate Rule (CAIR) Requirements**A. CAIR General Conditions**

The permittee shall comply with all applicable CAIR requirements (9VAC 5-140-1010 et seq., 9 VAC 5-140-2010 et seq., 9 VAC 5-140-3010 et seq., and 40 CFR Part 96) by the compliance date in the respective Part of 9 VAC 5 Chapter 140. The CAIR application in the attached Appendix B contains specific conditions and expires upon expiration of this Title V permit.

((9 VAC 5-80-490, 40 CFR Part 96, and 9 VAC 5 Chapter 140)

**Appendix A - Phase II Acid Rain Permit Supersedes Permit Issued November 2, 2007
 Title IV Permit Allowances and Requirements**

PHASE II Permit – The attached Phase II permit is incorporated into this permit by reference. The owners and operators of the source shall comply with the standard requirements and special provisions set forth in the application (9 VAC 5-80-440 and 9 VAC 5-80-490 A.4.a and c, B,C, E, F, M, O, and P)

A. Statutory and Regulatory Authorities

In accordance with the Air Pollution Control Law of Virginia §10.1-1308 and §10.1-1322, the Environmental Protection Agency (EPA) Final Full Approval of the Operating Permits Program (Titles IV and V) published in the Federal Register December 4, 2001, Volume 66, Number 233, Rules and Regulations, Pages 62961-62967 and effective November 30, 2001, and Title 40, the Code of Federal Regulations §§72.1 through 76.16, the Commonwealth of Virginia Department of Environmental Quality issues this permit pursuant to 9 VAC 5 Chapter 80, Article 3 of the Virginia Regulations for the Control and Abatement of Air Pollution (Federal Operating Permit Article 3).
 (9 VAC 5-80-490 B.2)

B. SO₂ Allowance Allocations and NO_x Requirements for affected units

(9 VAC 5-80-490 A.4)

		2014	2015	2016	2017	2018
Unit 1	SO ₂ allowances, allocated by U. S. EPA. (tons)	None. (Notes C.2.a and b)	None (Notes C.2.a and b)			
Unit 2	SO ₂ allowances, allocated by U. S. EPA. (tons)	None (Notes C.2.a and b)	None (Notes C.2.a and b)	None (Notes C.2.a and b)	None (Notes C.2.a and b)	None (Notes C.2.a and b)

C. Additional Requirements, Notes, Comments, and Justifications.

1. Additional Requirements:

Dominion – Bellemeade Power Station shall submit a complete permit application that includes all of the information required under 40 CFR §§72.21 and 72.31 and includes a complete NO_x compliance plan in accordance with 40 CFR §76.9(c)] at least 6 months, but no earlier than 18 months, prior to the date of expiration of the existing Phase II Acid Rain permit. EPA forms shall be used.
 (9 VAC 5-80-430 C.5)

2. Notes.

- a. SO₂ allowances may be acquired from other sources in addition to those allocated by U.S. EPA. No revision to this permit is necessary in order for the owners and operators of this unit to hold additional allowances recorded in accordance with 40 CFR Part 73. The owners and operators of this unit remain obligated to hold sufficient allowances to account for SO₂ emissions from this unit in accordance with 40 CFR 72.9(c)(1). (9 VAC 5-80-420 C.1 and H.1 and 9 VAC 5-80-490 O)
- b. These units were not eligible for SO₂ allowance allocation by U.S. EPA under Section 405 of the Clean Air Act and the Acid Rain Program, so none were assigned in 40 CFR Part 73, Table 2. (9 VAC 5-80-420 C.6)

3. Justifications:

- a. Unit 1 and 2 are gas-fired or oil-fired units and are not subject to NO_x limitations under 40 CFR Part 76. (9 VAC 5-80-420 D)

Appendix B - CAIR Permit Application

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dorn.com



BY U.S. MAIL, RETURN RECEIPT REQUESTED

June 21, 2012

Mr. James E. Kyle
Air Permit Manager
Virginia Department of Environmental Quality
Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

Piedmont Regional Office

JUN 28 2012

RECEIVED

RE: **Title IV Acid Rain and CAIR Permit Renewals, Bellemeade Power Station, DEQ Air Reg. No. 50988**

Dear Mr. Kyle:

A Phase II Acid Rain Permit Application for the renewal of the Acid Rain Permit for Bellemeade Power Station is enclosed. An application to renew the CAIR permit is also enclosed.

Please contact Andy Gates at (804) 273-2950 if you need any additional information.

Sincerely,

A handwritten signature in cursive script that reads "Kenneth W. Pollen".

for Cathy C. Taylor,
Director, Electric Environmental Services

Enclosures

<p>Bellemeade Power Station Facility (Source) Name (from STEP 1)</p>
--

Permit Requirements

STEP 3

Read the standard 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).

Bellemeade Power Station Facility (Source) Name (from STEP 1)

Sulfur Dioxide Requirements, Cont'd.

STEP 3, Cont'd.

- (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.

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

<p>Bellemeade Power Station Facility (Source) Name (from STEP 1)</p>
--

submission of a new certificate of representation changing the designated representative;

STEP 3, Cont'd.

Recordkeeping and Reporting Requirements, Cont'd.

- (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.

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:

<p>Bellemeade Power Station Facility (Source) Name (from STEP 1)</p>
--

STEP 3, Cont'd.

(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

Effect on Other Authorities, Cont'd.

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;

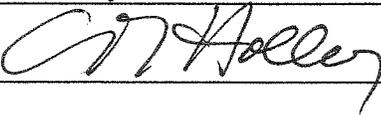
(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

STEP 4
 Read the certification statement, sign, and date.

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 C. D. Holley	
Signature 	Date 6/21/2012

Plant Name (from Step 1) Bellemeade Power Station

STEP 3,
continued

(b) Monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96.

(2) The emissions measurements recorded and reported in accordance with subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96 shall be used to determine compliance by each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) with the CAIR NO_x emissions limitation, CAIR SO₂ emissions limitation, and CAIR NO_x Ozone Season emissions limitation (as applicable) under paragraph (c) of §96.106, §96.206, and §96.306 (as applicable).

(c) Nitrogen oxides emissions requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x source and each CAIR NO_x unit at the source shall hold, in the source's compliance account, CAIR NO_x allowances available for compliance deductions for the control period under §96.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x units at the source, as determined in accordance with subpart HH of 40 CFR part 96.

(2) A CAIR NO_x unit shall be subject to the requirements under paragraph (c)(1) of §96.106 for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under §96.170(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR NO_x allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §96.106, for a control period in a calendar year before the year for which the CAIR NO_x allowance was allocated.

(4) CAIR NO_x allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Allowance Tracking System accounts in accordance with subparts FF, GG, and II of 40 CFR part 96.

(5) A CAIR NO_x allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Annual Trading Program. No provision of the CAIR NO_x Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §96.105 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(6) A CAIR NO_x allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EE, FF, GG, or II of 40 CFR part 96, every allocation, transfer, or deduction of a CAIR NO_x allowance to or from a CAIR NO_x source's compliance account is incorporated automatically in any CAIR permit of the source that includes the CAIR NO_x unit.

Sulfur dioxide emission requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent of CAIR SO₂ allowances available for compliance deductions for the control period under §96.254(a) and (b) not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with subpart HHH of 40 CFR part 96.

(2) A CAIR SO₂ unit shall be subject to the requirements under paragraph (c)(1) of §96.206 for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under §96.270(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §96.206, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.

(4) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ Allowance Tracking System accounts in accordance with subparts FFF, GGG, and III of 40 CFR part 96.

(5) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ Trading Program. No provision of the CAIR SO₂ Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §96.205 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(6) A CAIR SO₂ allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart FFF, GGG, or III of 40 CFR part 96, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ source's compliance account is incorporated automatically in any CAIR permit of the source that includes the CAIR SO₂ unit.

Nitrogen oxides ozone season emissions requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO_x Ozone Season source and each CAIR NO_x Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO_x Ozone Season allowances available for compliance deductions for the control period under §96.354(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NO_x Ozone Season units at the source, as determined in accordance with subpart HHHH of 40 CFR part 96.

(2) A CAIR NO_x Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of §96.306 for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under §96.370(b)(1), (2), (3) or (7) and for each control period thereafter.

(3) A CAIR NO_x Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of §96.306, for a control period in a calendar year before the year for which the CAIR NO_x Ozone Season allowance was allocated.

(4) CAIR NO_x Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO_x Ozone Season Allowance Tracking System accounts in accordance with subparts FFFF, GGGG, and IIII of 40 CFR part 96.

(5) A CAIR NO_x allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NO_x Ozone Season Trading Program. No provision of the CAIR NO_x Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under §96.305 and no provision of law shall be construed to limit the authority of the State or the United States to terminate or limit such authorization.

(6) A CAIR NO_x allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EEEE, FFFF, GGGG, or IIII of 40 CFR part 96, every allocation, transfer, or deduction of a CAIR NO_x Ozone Season allowance to or from a CAIR NO_x Ozone Season source's compliance account is incorporated automatically in any CAIR permit of the source.

Plant Name (from Step 1) Bellemeade Power Station

STEP 3,
continued

(d) Excess emissions requirements.

If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, then:

(1) The owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under §96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

If a CAIR SO₂ source emits sulfur dioxide during any control period in excess of the CAIR SO₂ emissions limitation, then:

(1) The owners and operators of the source and each CAIR SO₂ unit at the source shall surrender the CAIR SO₂ allowances required for deduction under §96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

If a CAIR NO_x Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NO_x Ozone Season emissions limitation, then:

(1) The owners and operators of the source and each CAIR NO_x Ozone Season unit at the source shall surrender the CAIR NO_x Ozone Season allowances required for deduction under §96.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

(e) Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) 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 before the end of 5 years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under §96.113, §96.213, and §96.313 (as applicable) for the CAIR designated representative for the source and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) at the source and all documents that demonstrate the truth of the statements in the certificate of representation; 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 under §96.113, §96.213, and §96.313 (as applicable) changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96, provided that to the extent that subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96 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 CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable).

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable) or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable).

(2) The CAIR designated representative of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) and each CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) at the source shall submit the reports required under the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable) including those under subparts HH, HHH, and HHHH (as applicable) of 40 CFR part 96.

(f) Liability.

(1) Each CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) and each NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) shall meet the requirements of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable).

(2) Any provision of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable) that applies to a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) or the CAIR designated representative of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) shall also apply to the owners and operators of such source and of the CAIR NO_x units, CAIR SO₂ units, and CAIR NO_x Ozone Season units (as applicable) at the source.

(3) Any provision of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable) that applies to a CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) or the CAIR designated representative of a CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) shall also apply to the owners and operators of such unit.

Plant Name (from Step 1) Bellemeade Power Station

STEP 3,
continued

(g) Effect on Other Authorities.

No provision of the CAIR NO_x Annual Trading Program, CAIR SO₂ Trading Program, and CAIR NO_x Ozone Season Trading Program (as applicable), a CAIR permit application, a CAIR permit, or an exemption under § 96.105, §96.205, and §96.305 (as applicable) shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source, CAIR SO₂ source, and CAIR NO_x Ozone Season source (as applicable) or CAIR NO_x unit, CAIR SO₂ unit, and CAIR NO_x Ozone Season unit (as applicable) from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

Certification

I am authorized to make this submission on behalf of the owners and operators of the source or 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 C. D. Holley	
Signature 	Date 6/21/2012

