

**Federal Operating Permit
Article 3**

This permit 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 Commonwealth of Virginia 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, 9 VAC 5-140-1010 et seq., 9 VAC 5-140-2010 et seq., 9 VAC 5-140-3010 et seq., and 9 VAC 5-140-5010 et seq. 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:	Dominion Generation
Facility Name:	Altavista Power Station
Facility Location:	104 Wood Lane Altavista, Virginia
Registration Number:	30859
Permit Number:	SCRO30859

This permit includes the following enforcement programs:

Federally Enforceable Requirements Clean Air Act (Sections I through XI and XIII)
Federally Enforceable Requirements Title IV Acid Rain (Section XII)
Federally Enforceable Requirements - Clean Air Interstate Rule (Section XIV)

Permit Effective Date: January 1, 2009
Permit Expiration Date: December 31, 2013
Permit Signature Date: June 24, 2008

Steven A. Dietrich, P.E.
Regional Director, Department of Environmental Quality

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I. Facility Information

Permittee

Dominion Generation
5000 Dominion Boulevard
Glen Allen, VA 23060

Responsible Official

Donnie C. Craft
Station Director

Acid Rain Designated Representative

C.D. Holley
Vice President, Fossil & Hydro
USEPA AAR ID number 002099

CAIR Designated Representative

(same as AR Designated Representative)

Facility

Altavista Power Station
104 Wood Lane
Altavista, VA 24517

Contact Person

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

County-Plant Identification Number: 51-031-00156

ORIS Code: 10773

NATS Facility Identification Number: 010773000001, 010773000002

Facility Description: NAISC/SIC Code 221112/4911 – The Altavista Power Station (APS) operates two, 382.5 MMBtu/hr coal-fired boilers to generate electricity. The facility uses associated coal, wood, lime, ash, and fuel oil handling systems to support its operations, as well as several small diesel engine sources used to provide redundant or backup capability. Although coal is the primary fuel for the stoker boilers, each boiler can fire wood along with the coal. Natural gas or No. 2 fuel oil is used for startup. One 146.4 MMBTU/hr natural gas/No. 2 oil fired auxiliary boiler is located at APS to provide steam during main boiler startup if needed.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description*	Size/Rated Capacity	Pollution Control Device Description (PCD)	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
001 (a,b,c,d)	001	Primary boiler (Spreader Stoker)-fueled with coal, wood, No.2 F.O., and/or nat'l gas to generate process steam and electricity	382.5 MMBtu/hr (nominal)	Overfire air system, Ammonia injection, Dry lime scrubber, Fabric filter	EC-1 (a,b,c,d)	NO _x ,SO ₂ , PM/PM10, trace metals	1/30/2008
002 (a,b,c,d)	001	Primary boiler (Spreader Stoker)-fueled with coal, wood, No.2 F.O. and/or nat'l gas to generate process steam and electricity	382.5 MMBtu/hr (nominal)	Overfire air system, Ammonia injection, Dry lime scrubber, Fabric filter	EC-2 (a,b,c,d)	NO _x ,SO ₂ , PM/PM10, trace metals	1/30/2008
003 (a,b)	003	Auxiliary boiler-fueled with nat'l gas or No.2 F.O. to generate process steam	146.4 MMBtu/hr (nominal)	Low NO _x burners/Flue gas recirculation	EC-3 (a, b)	NO _x	1/30/2008
005	005	Emergency Diesel Feedwater Pump	126 BHP	---	---	---	1/30/2008
006	006	Diesel Firewater Pump Engine	208 BHP	---	---	---	1/30/2008
Coal, Wood, Ash and Lime Handling Equipment							
007	Fugitive	Coal unloading building	400 ton/hr	Dust Suppression sprays	EC-7	PM/PM10	1/30/2008
008	Fugitive	Coal stacker tube	400 ton/hr	--	--	--	1/30/2008
009	Fugitive	Coal crusher	150 tph	Building enclosure sprays	EC-9	PM/PM10	1/30/2008
010	010 (a,b,c,d)	Crushed coal storage silo (4)	180 tons (ea.)	Bin vent filter	EC-10 (a,b,c,d)	PM/PM10	1/30/2008
011	011	Boiler ash conveyor blower system A	27.8 tons	Fabric filter	EC-11	PM/PM10	1/30/2008
012	012	Boiler ash conveyor blower system B	27.8 tons	Fabric filter	EC12	PM/PM10	1/30/2008
013	013	Boiler ash conveyor blower system C	27.8 tons	Fabric filter	EC-13	PM/PM10	1/30/2008
014	014	Recycled boiler ash storage bin	26.5 tons	Bin vent filter	EC-14	PM/PM10	1/30/2008
015	015	Ash storage silo	530 tons	Bin vent filter	EC-15	PM/PM10	1/30/2008

Emission Unit ID	Stack ID	Emission Unit Description*	Size/Rated Capacity	Pollution Control Device Description (PCD)	PCD ID	Pollutant Controlled	Applicable Permit Date
Coal, Wood, Ash and Lime Handling Equipment (cont'd.)							
016	Fugitive	Ash unloading feeder (DustMaster mixer)	80 tph	Ash conditioning system (water spraying)	EC-16	PM/PM10	1/30/2008
017	017	Pebble lime storage silo	135 tons	Bin vent filter	EC-17	PM/PM10	1/30/2008
019	Fugitive	Coal storage pile	16,000 tons	---	---	---	1/30/2008
020 (a,b)	020 (a,b)	Wood storage silo bin vent (a,b)	100 tons (ea.)	Bin vent filter, fabric filter	EC-20 a,b	PM/PM10	1/30/2008
021 (a,b)	021 (a,b)	Wood pulverizers, No. 1 and 2	3.5 tph	Fabric filter	EC-21 a,b	PM/PM10	1/30/2008
022	Fugitive	Wood emergency loading spout	20 tph	---	---	---	1/30/2008
023	023	Wood conveying to emergency loading	20 tph	Fabric filter	EC-23	PM/PM10	1/30/2008
024	024	No.2 Fuel Oil Storage Tank	100,000 gal	---	---	VOC	1/30/2008
025	Fugitive	Wood Chip Handling Equipment	500 tons per hour	---	---	PM/PM10	1/30/2008

*Date of construction for all equipment is June 1990 except for 025 (2008). The size/rated capacity is provided for informational purposes only, and is not an applicable requirement.

III. Primary Boilers Requirements - (001 and 002)

A. Limitations

1. Particulate emissions from the primary boilers (001, 002) shall be controlled by the use of an in-line multiple cyclone, a lime-water injection spray dryer, and a fabric filter operated at a control efficiency of greater than or equal to 99.9 %. The fabric filter may be bypassed during non-coal or wood fuel boiler startups to alleviate potential moisture damage to the fabric filter at low start-up temperatures. Each fabric filter shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter.
(9 VAC 5-80-490, 40 CFR 60.42a, and Conditions 4 and 63 of NSR Permits dated 1/30/2008)
2. Sulfur dioxide emissions from each primary boiler (001, 002) shall be controlled by the use of water-lime injection spray dryer (a dry FGD system) at 92 percent control efficiency.
(9 VAC 5-80-490, 40 CFR 60.43a, and Conditions 7 and 66 of NSR Permits dated 1/30/2008).
3. Nitrogen dioxide emissions from each primary boiler (001, 002) shall be controlled by the use of a continuous coal feed system, staged combustion low excess air, and selective non-catalytic reduction.
(9 VAC 5-80-490 and Conditions 8 and 67 of NSR Permits dated 1/30/2008).
4. The approved fuels for each primary boiler (001, 002) are bituminous coal and wood. The approved start-up fuels are natural gas and distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, ASTM D396 "Standard Specification for Fuel Oils" except as modified by Conditions III.A.8 and III.A.9. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-490 and Conditions 30, 48, 90, and 108 of NSR Permits dated 1/30/2008)
5. The maximum sulfur content of the coal to be burned in each primary boiler (001, 002) shall not exceed 1.5 percent by weight per shipment.
(9 VAC 5-80-490 and Conditions 32 and 92 of NSR Permits dated 1/30/2008)
6. The primary boilers (001, 002) shall consume a combined total of no more than 253,932 tons of coal per year, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-490 and Conditions 18 and 78 of NSR Permits dated 1/30/2008)

7. The primary boilers (001, 002) shall consume a combined total of no more than 60,000 gallons of distillate oil per year, calculated monthly as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-490 and Conditions 49 and 109 of NSR Permits dated 1/30/2008)
8. The maximum sulfur content of the oil to be burned in the boilers (001 and 002) shall not exceed 0.3 percent by weight per shipment.
(9 VAC 5-80-490 and Conditions 34 and 94 of NSR Permits dated 1/30/2008)
9. The (annual rolling) average sulfur content of the fuel oil to be burned in the boilers (001 and 002) shall not exceed 0.2 percent by weight.
(9 VAC 5-80-490 and Conditions 35 and 95 of NSR Permits dated 1/30/2008)
10. Each primary boiler (001, 002) shall not operate more than 8,400 hours per year.
(9 VAC 5-80-490 and Conditions 19 and 79 of NSR Permits dated 1/30/2008)
11. Emissions from the operation of each primary boiler shall not exceed the limits specified below:

Criteria Pollutant	lb/MMBtu	lb/hr	ton/yr
Particulate Matter	0.020	7.6	32
PM-10	0.018	6.8	29
Sulfur Dioxides	0.187♦♦	70.8	297
Nitrogen Oxides (as NO ₂)*	0.30♦♦	113.7	478
Carbon Monoxide	0.20♦♦	76.0♦♦	318
Volatile Organic Compounds**♦	0.030	11.4	48

- ♦ Maximum input ratio for wood and coal to be established after in-stack testing.
- ♦♦ Compliance determined on 30-day rolling average
- * Lower limit may be imposed by DEQ after review of in-stack testing and optimizing the SNCR system at various loads.
- ** Lower limit may be imposed by DEQ after in-stack testing

Annual limit calculated monthly as the sum of each consecutive 12-month period.

Non-Criteria Pollutant	lb/day
Beryllium	0.05
Sulfuric Acid Mist	149.2

(9 VAC 5-80-490, 40 CRF 60.42a, 40 CFR 60.43a, 40 CFR 60.44a and Conditions 22 and 82 of NSR Permits dated 1/30/2008)

12. Visible emissions from the primary boiler stack (001) shall not exceed ten (10) percent opacity, except during one six-minute period in any one hour in which visible emissions shall not exceed twenty-seven (27) percent opacity.
(9 VAC 5-80-490, 40 CFR 60.42a, and Conditions 27 and 87 of NSR Permits dated 1/30/2008)
13. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at a minimum.
(9 VAC 5-80-490 and Conditions 55 and 116 of NSR Permits dated 1/30/2008)

B. Monitoring

1. Continuous emission monitors shall be installed to measure and record the concentration of opacity, SO₂ (at inlet and outlet of spray dryer), NO_x (at each primary boiler outlet), and CO₂ or O₂ emitted from the primary boilers. They shall be maintained, located and calibrated in accordance with approved procedures (40 CFR 60 Subparts A and Da). A 30 day notification prior to the demonstration of continuous monitoring system performance and subsequent notifications are to be submitted to the South Central Regional Office.
(9 VAC 5-80-490, 40 CFR 60.13, 40 CFR 60.47a, and Conditions 36 and 96 of NSR Permits dated 1/30/2008)
2. The continuous monitoring data generated by the SO₂ and NO_x monitors on the primary boilers (001, 002) shall be used to determine compliance with the emission standards on a 30-day rolling average basis. All of the data capture, quality assurance provisions, and reporting requirements of NSPS Subpart Da shall apply.
(9 VAC 5-80-110, 40 CFR 60.13, 40 CFR 60 Subpart Da, and Conditions 38 and 98 of NSR Permits dated January 30, 2008)
3. For all continuous monitors required by this permit, the continuous monitoring and quality assurance data may, at the discretion of the Board, be used as evidence of violation of the emission standards. These monitors are subject to such data capture requirements and/or quality assurance requirements as may be deemed appropriate by the Board (refer to 40 CFR 60.13 and Appendix B).
(9 VAC 5-80-490, 40 CFR 60.13, and Conditions 39 and 99 of NSR Permits dated 1/30/2008)
4. All continuous emission monitoring systems (CEMS) and continuous opacity monitor (COMS) shall be operated in accordance with the applicable procedures under Performance Specification 1, 2, and 3 of 40 CFR 60, Appendix B.
(9 VAC 5-80-490 E and 40 CFR 60.13)

5. Continuous Emission Monitoring Systems (CEMS), meeting the design specifications of 40 CFR Part 60, Appendix B Performance Specification 4A, shall be installed to measure and record the emissions of CO from each primary coal boiler as lbs/MMBtu and lbs/hr. The CEMS shall be installed, calibrated, maintained, audited and operated in accordance with DEQ approved procedures which are equivalent to the requirements of 40 CFR 60.13 and Appendices B and F. Data shall be reduced to 30 day rolling averages per the procedures for NOx contained in 40 CFR 60 Subpart Da. The monitor shall be used to demonstrate compliance with the 30-day rolling average CO emission standard (lb/MMBtu basis) as noted in Condition III.A.11.
(9 VAC 5-80-490 and Conditions 40 and 100 of NSR Permits dated 1/30/2008)
6. A flowmeter shall be used to measure the stack gas airflow from the common stack with the flow apportioned by steam flow rate for each coal boiler utilizing the procedures for Part 75 apportionment. The stack gas flowmeter shall be installed, operated, and maintained in accordance with the provisions of 40 CFR 75 Appendices A and B, with the exception that the relative accuracy test audit (RATA) be performed at least once every four (4) consecutive calendar quarters. The permittee shall submit stack gas flowmeter reports as required by 40 CFR 75 Appendices A and B. The CO emissions (lb/hr basis) shall be calculated from data obtained from the CO continuous emissions monitoring system and stack gas flowmeter in accordance to the provisions of 40 CFR 75 Appendix F with the exception that CO data are not to be substituted or biased. These data shall be used to demonstrate compliance with the 30-day rolling average CO emission standard (lb/hr basis) as noted in Condition III.A.11.
(9 VAC 5-80-490 and Conditions 41 and 101 of NSR Permits dated 1/30/2008)
7. Performance evaluations of the CO continuous monitoring systems shall be conducted in accordance with 40 CFR Part 60, Appendix B, and shall take place within 180 days after the initial effective date (January 30, 2008) of the CO 30-day rolling average limit. Two copies of the performance evaluations report shall be submitted to the South Central Regional Office within 45 days of the evaluation. The continuous monitoring systems shall be installed and operational prior to conducting initial performance tests. Verification of operational status shall, as a minimum, include completion of the manufacturer's written requirements or recommendations for installation, operation and calibration of the device. A 30 day notification, prior to the demonstration of continuous monitoring system's performance, and subsequent notifications shall be submitted to the South Central Regional Office.
(9 VAC 5-80-490 and Conditions 42 and 102 of NSR Permits dated 1/30/2008)
8. A CEMS quality control program which is equivalent to the requirements of 40 CFR 60.13 and Appendix B and F shall be implemented for the CO continuous monitoring systems.
(9 VAC 5-80-490 and Conditions 43 and 103 of NSR Permits dated 1/30/2008)

9. **Compliance Assurance Monitoring (CAM)** - The permittee shall implement a compliance assurance monitoring (CAM) plan to monitor the fabric filter controlling particulate matter from the primary boilers (001, 002) in accordance with the following tables. Each monitor shall be operated according to the manufacturer’s specifications, unless other methods are approved, and in compliance with 40 CFR 64.3 (b) or (d).

Table 1 – Primary Boilers (001, 002) Compliance Assurance Monitoring Plan	
I. Indicator	Opacity
A. Measurement Approach	Continuous Opacity Monitor (COMS)
II. Indicator Range	Continuous operation between 0% - 10% opacity per hour. An excursion is any six-minute period with average opacity >10%. An excursion triggers the supplementary actions in Table 2 of this condition.
III. Performance Criteria	
A. Data Representativeness	COMS monitors the opacity of the combined gas stream from each boiler’s fabric filter.
B. Verification of Operational Status	The monitoring device shall be installed and calibrated according to manufacturer’s recommendations prior to the initial performance tests.
C. QA/QC Practices and Criteria	Zero and span drift are checked daily and filter audits are performed in accordance with PS-1. Filter audits performed annually.
D. Monitoring Frequency	Measure continuously
E. Data Collection Procedures	Data are collected by computerized data acquisition and handling system (DAHS). The system collects and retains all relevant opacity data.
F. Averaging period	Six-minute block averages.

Table 2 – Primary Boilers (001, 002) Compliance Assurance Monitoring Plan	
I. Indicator	Operational Status of Equipment
A. Measurement Approach	In the event an excursion (as defined in Table 1), the following actions will be taken: <ul style="list-style-type: none"> ▪ Initiate a cleaning cycle for each baghouse. ▪ Monitor the opacity through the cleaning cycle. The opacity will drop when the problem compartment is isolated during the cycle. ▪ Once the problem compartment is identified, the compartment will be isolated and the issue resolved (e.g., replacement of bag(s)).
II. Indicator Range	Varies; these are work practices.
III. Performance Criteria	
A. Data Representativeness	The actions taken are supplementary to the primary indicator (COMS) and are used to identify the cause of the excursion.
B. Verification of Operational Status	NA
C. QA/QC Practices and Criteria	NA
D. Monitoring Frequency	As required.
E. Data Collection Procedures	Events and corrective actions are logged as necessary.
F. Averaging period	NA

Changes pertaining to the information in this condition shall not be implemented prior to approval by the DEQ. Changes may require public participation according to the requirements of 9 VAC 5-80-590.
 (9 VAC 5-80-490 and 40 CFR 64.6 (c))

10. **Compliance Assurance Monitoring (CAM)** - The permittee shall conduct the monitoring and fulfill the other obligations specified in 40 CFR 64.7 through 40 CFR 64.9.
 (9 VAC 5-80-490 and 40 CFR 64.6 (c))

11. **Compliance Assurance Monitoring (CAM)** - At all times, the permittee shall maintain the monitoring equipment, including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.
 (9 VAC 5-80-490 and 40 CFR 64.7 (b))

12. **Compliance Assurance Monitoring (CAM)** - Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the primary boilers are operating. Data

recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of compliance assurance monitoring, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by inadequate maintenance or improper operation are not malfunctions.

(9 VAC 5-80-490 and 40 CFR 64.7 (c))

13. **Compliance Assurance Monitoring (CAM)** - Upon detecting an excursion or exceedance, the permittee shall restore operation of the primary boilers (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup and shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator, designated condition, or below the applicable emission limitation or standard, as applicable.

(9 VAC 5-80-490 and 40 CFR 64.7 (d)(1))

14. **Compliance Assurance Monitoring (CAM)** - Determination that acceptable procedures were used in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(9 VAC 5-80-490 and 40 CFR 64.7(d)(2))

15. **Compliance Assurance Monitoring (CAM)** - If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly (in accordance with Condition XIII.E) notify the Director, South Central Regional Office and submit a proposed modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

(9 VAC 5-80-490, 40 CFR 64.7(e), and 40 CFR 64.6 (c))

16. **Compliance Assurance Monitoring (CAM)** - If the number of exceedances or excursions exceeds 5 percent duration of the operating time for the primary boilers for a semiannual reporting period (as established in Condition XIII.C.3XIII.C), or as otherwise required by the DEQ in accordance with review conducted under 40 CFR 64.7(d)(2), the permittee shall develop, implement and maintain a Quality Improvement Plan (QIP) in accordance with 40 CFR 64.8. If a QIP is required, the permittee shall have it available for inspection at the permitted facility (9 VAC 5-80-490 and 40 CFR 64.8(a) and (b))
17. **Compliance Assurance Monitoring (CAM)** - Monitoring imposed under 40 CFR Part 64 shall not excuse the permittee from complying with any existing requirements under federal, state, or local law, or any other applicable requirement under the Act, as described in 40 CFR 64.10.
(9 VAC 5-80-490 and 40 CFR 64.10)

C. Recordkeeping

1. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
 - a. The name of the fuel supplier,
 - b. The date on which the distillate oil was received,
 - c. The volume of distillate delivered in the shipment,
 - d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2, and
 - e. The sulfur content of the distillate oil.

(9 VAC 5-80-490, 9 VAC 5-50-410, and Conditions 48, 53, 108, and 114 of NSR Permits dated 1/30/2008)
2. 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, South Central Regional Office. These records shall include, but are not limited to:
 - a. The daily and annual throughput of distillate oil (in 1000 gallons) used for each primary boiler. The annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.
 - b. All fuel supplier certifications.

- c. The tons of annual throughput of coal for the facility, calculated monthly as the sum of each consecutive 12-month period.
- d. The tons of annual throughput of wood dust and wood chips (separately) for the facility, calculated monthly as the sum of each consecutive 12-month period.
- e. The annual hours of operation for each boiler calculated monthly as the sum of each consecutive 12-month period.
- f. Verification that the primary boilers and the auxiliary boiler were not operated concurrently in accordance with Condition V.A.2 of this permit.
- g. The ash and sulfur content of each shipment of coal burned in the primary boilers.
- h. All reports required by 40 CFR 60 Subpart Da for the primary boilers (001 and 002).

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-490, 9 VAC 5-50-50, 40 CFR 60.7, and Conditions 34, 53, 94, and 114 of the NSR Permits dated 1/30/2008)

3. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boilers. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
(9 VAC 5-80-490 and Conditions 55 and 116 of NSR Permits dated 1/30/2008)
4. **Compliance Assurance Monitoring (CAM) Recordkeeping** - The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan (QIP) required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan (QIP), and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
(9 VAC 5-80-490 and 40 CFR 64.9(b))

D. Testing

1. At a frequency not to exceed once every five years, the permittee shall conduct a stack test for PM and PM-10 from each primary boiler to demonstrate compliance with the applicable hourly emission limits contained in this permit. The test shall be

conducted and reported and data reduced as set forth in 9 VAC 5-40-30 or 9 VAC 5-50-30 as applicable. The details of the tests shall be arranged with the South Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Two copies of the test results shall be submitted to the South Central Regional Office within 60 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-80-490 and 9 VAC 5-50-30)

2. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-80-490 and Conditions 51 and 112 of the NSR Permits dated 1/30/2008)

E. Reporting

1. The permittee shall submit fuel quality reports to the Director, South Central Regional Office, within 30 days after the end of each calendar semiannual period. If no shipments of distillate oil were received during the calendar semiannual period, the semiannual report shall consist of the dates included in the calendar semiannual period and a statement that no oil was received during the calendar semiannual period. If distillate oil was received during the calendar semiannual period the reports shall include:
 - a. The dates included in the calendar semiannual period,
 - b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the calendar semiannual period or a semiannual summary from each fuel supplier that includes the information specified in Condition III.C.1 for each shipment of distillate oil, and,
 - c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the distillate oil burned or received at the facility.

(9 VAC 5-80-490, 9 VAC 5-50-50, 9 VAC 5-50-410, and Conditions 38 and 98 of the NSR Permits dated 1/30/2008)

2. The permittee shall submit reports in accordance with 40 CFR 60 Subpart A and 40 CFR 60 Subpart Da for primary boilers (001, 002). Excess emission and monitoring system performance reports shall be submitted to the South Central Regional Office for every calendar semiannual period in accordance with 40 CFR 60.49a and 40 CFR 60.7.
(9 VAC 5-80-490, 9 VAC 5-50-50, 40 CFR 60.7, 40 CFR 60.49a and Conditions 38 and 98 of the NSR Permits dated 1/30/2008)

3. The permittee shall furnish written reports to the South Central Regional Office of excess emissions from the primary coal boilers monitored by the CO continuous monitoring system on a quarterly basis, postmarked no later than the 30th day following the end of the calendar quarter. These reports shall include, but are not limited to the following information:
 - a. The magnitude of excess emissions, any conversion factors used in the calculation of excess emissions, 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 process, the nature and cause of the 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 that report.

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

(9 VAC 5-80-490 and Conditions 44 and 104 of NSR Permits dated 1/30/2008)

4. **Compliance Assurance Monitoring (CAM)** - The permittee shall submit CAM reports as part of the facility's existing semiannual excess emissions reports required under this permit to the Director, South Central Regional Office. Such reports shall include at a minimum:
 - a. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
 - b. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
 - c. A description of the actions taken to implement a quality improvement plan (QIP) during the reporting period as specified in 40 CFR 64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report

documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

(9 VAC 5-80-490 and 40 CFR 64.9(a))

IV. Auxiliary Boiler Requirements - (003)

A. Limitations

1. Particulate emissions from the auxiliary boiler (003) shall be controlled by combustion efficiency.
(9 VAC 5-80-490 and Conditions 5 and 64 of NSR Permits dated 1/30/2008).
2. The approved fuels for the auxiliary boiler (003) are natural gas and distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, ASTM D396 "Standard Specification for Fuel Oils" except as modified by Conditions IV.A.3 and IV.A.4. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-490 and Conditions 33 and 93 of NSR Permits dated 1/30/2008)
3. The maximum sulfur content of the oil to be burned in the auxiliary boiler (003) shall not exceed 0.3 percent by weight per shipment.
(9 VAC 5-80-490 and Conditions 34 and 94 of NSR Permits dated 1/30/2008)
4. The (annual rolling) average sulfur content of the fuel oil to be burned in the auxiliary boiler (003) shall not exceed 0.2 percent by weight.
(9 VAC 5-80-490 and Conditions 35 and 95 of NSR Permits dated 1/30/2008)
5. Emissions from the operation of the auxiliary boiler shall not exceed the limits specified below:

For Natural Gas:

Criteria Pollutant	lb/MMBtu	lb/hr
Nitrogen Oxides (as NO ₂)	0.073 (†♦♦)	10.2 (†)
Carbon Monoxide	0.082	11.4
Volatile Organic Compounds	0.041	5.7

For Distillate Oil:

Criteria Pollutant	lb/MMBtu	lb/hr
Particulate Matter	0.04	5.6
PM-10	0.03	4.2
Sulfur Dioxide	0.31 (◆◆)	43.2
Nitrogen Oxides (as NO ₂)	0.2 (†◆◆)	27.9 (†)
Carbon Monoxide	0.082	11.4
Volatile Organic Compounds	0.041	5.7

†Based on high heat release rate.

◆◆Compliance based on 30-day rolling average.

During any 30-day period when both natural gas and distillate oil are fired, the allowable emission limit for the auxiliary boiler (003) for that period shall be calculated using the equation shown in 40 CFR 60.44 b. (b), modified as follows:

$$En = \frac{[(ELg \times Hg) + (ELO \times Ho)]}{(Hg + Ho)} \quad \text{where,}$$

En = the nitrogen oxides emission limit, expressed as NO₂, (lb/MMBtu)

ELg = the individual natural gas emission limit as shown in this condition, (lb/MMBtu)

ELO = the individual distillate oil emission limit as shown in this condition, (lb/MMBtu)

Hg = the natural gas heat input (MMBtu/rolling 30-day period)

Ho = the distillate oil heat input (MMBtu/rolling 30 day period)

(9 VAC 5-80-490, 40CFR60.42b, 40 CFR 60.44b, and Conditions 23 and 83 of NSR Permits dated 1/30/2008)

6. Visible emissions from the auxiliary boiler stack (003) shall not exceed ten (10) percent opacity, except during one six-minute period in any one hour in which visible emissions shall not exceed twenty-seven (27) percent opacity.
(9 VAC 5-80-490, 40 CFR 60.43b, and Conditions 27 and 87 of NSR Permits dated 1/30/2008)

B. Monitoring

1. Continuous emission monitors shall be installed to measure and record opacity and the concentration of SO₂, NO_x, and CO₂ or O₂ emitted from the auxiliary boiler (003). They shall be maintained, located and calibrated in accordance with approved procedures (reference to 40 CFR 60 Subparts A and Db). Fuel testing for sulfur content in accordance with NSPS Subpart Db may be substituted for the SO₂ continuous monitor with the approval of the SCRO.
(9 VAC 5-80-490, 40 CFR 60.47b, 40 CFR 60.48b, 40 CFR 60.13, and Conditions 37 and 97 of NSR Permits dated 1/30/2008)
2. The continuous monitoring data generated by the SO₂ monitor (if installed) and NO_x monitor on the auxiliary boiler (003) shall be used to determine compliance with the

emission standards on a 30-day rolling average basis. All of the data capture, quality assurance provisions, and reporting requirements of NSPS Subpart Db shall apply. (9 VAC 5-80-110, 40 CFR 60.13, 40 CFR 60 Subpart Db, and Conditions 38 and 98 of NSR Permits dated January 30, 2008)

3. For all continuous monitors required by this permit, the continuous monitoring and quality assurance data may, at the discretion of the Board, be used as evidence of violation of the emission standards. These monitors are subject to such data capture requirements and/or quality assurance requirements as may be deemed appropriate by the Board (refer to 40 CFR 60.13 and 40 CFR 60, Appendix B). (9 VAC 5-80-490, 40 CFR 60.13, and Conditions 39 and 99 of NSR Permits dated 1/30/2008)
4. All continuous emission monitoring systems (CEMS) and continuous opacity monitor (COMS) shall be operated in accordance with the applicable procedures under Performance Specification 1, 2, and 3 of 40 CFR 60, Appendix B. (9 VAC 5-80-490 E and 40 CFR 60.13)

C. Recordkeeping

1. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
 - a. The name of the fuel supplier,
 - b. The date on which the distillate oil was received,
 - c. The volume of distillate oil delivered in the shipment,
 - d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2, and
 - e. The sulfur content of the distillate oil.(9 VAC 5-80-490, 9 VAC 5-50-410, and Conditions 34, 35, 94 and 95 of NSR Permits dated 1/30/2008)
2. 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, South Central Regional Office. These records shall include, but are not limited to:
 - a. The daily and annual throughput of distillate oil (in 1000 gallons) used for the auxiliary boiler (003). The annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.

- b. All fuel supplier certifications.
- c. The annual rolling average sulfur content of the distillate oil burned in the auxiliary boiler (003), calculated monthly as the sum of each consecutive 12-month period.
- d. The annual hours of operation for the auxiliary boiler (003) calculated monthly as the sum of each consecutive 12-month period.
- e. Verification that the primary boilers and the auxiliary boiler were not operated concurrently in accordance with Condition V.A.2 of this permit.
- f. All reports required by 40 CFR 60 Subpart Db for the auxiliary boiler (003).

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-490, 40 CFR 60.7, 9 VAC 5-50-50, and Conditions 53 and 114 of the NSR Permits dated 1/30/2008)

- 3. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boilers. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
(9 VAC 5-80-490 and Conditions 55 and 116 of NSR Permits dated 1/30/2008)

D. Testing

The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-80-490 and Conditions 51 and 112 of the NSR Permits dated 1/30/2008)

E. Reporting

- 1. The permittee shall submit fuel quality reports to the Director, South Central Regional Office, within 30 days after the end of each calendar semiannual period. If no shipments of distillate oil were received during the calendar semiannual period, the semiannual report shall consist of the dates included in the calendar semiannual period and a statement that no oil was received during the calendar semiannual period. If distillate oil was received during the calendar semiannual period the reports shall include:
 - a. The dates included in the calendar semiannual period,

- b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the calendar semiannual period or a semiannual summary from each fuel supplier that includes the information specified in Condition IV.C.1 for each shipment of distillate oil, and
- c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the distillate oil burned or received at the facility.

(9 VAC 5-80-490, 9 VAC 5-50-50, 9 VAC 5-50-410, and Conditions 38 and 98 of the NSR Permits dated 1/30/2008)

- 2. The permittee shall submit reports in accordance with 40 CFR 60 Subpart Db for the auxiliary boiler (003). Excess emission and monitoring system performance reports shall be submitted to the South Central Regional Office for every calendar semiannual period in accordance with 40 CFR 60.49b and 40 CFR 60.7.
(9 VAC 5-80-490, 9 VAC 5-50-50, 40 CFR 60.7, 40 CFR 60.49b, and Conditions 38 and 98 of the NSR Permits dated 1/30/2008)

V. Combined Boiler Limitations

A. Limitations

- 1. Combined emissions from the operation of the primary boilers (001 and 002) and the auxiliary boiler (003) shall not exceed the limitations specified below:

Criteria Pollutant	ton/yr
Particulate Matter	65.0
PM10	58.8
Sulfur Dioxide	599.1
Nitrogen Oxides (as NO ₂)*	961.0
Carbon Monoxide	638.1
Volatile Organic Compounds**◆	97.0

These limits are based on the primary boilers operating 8,400 hr/yr and the auxiliary boiler operating 360 hr/yr. The annual limit is calculated monthly as the sum of each consecutive 12-month period.

* Lower limits may be imposed by the DEQ after review of in-stack testing and optimizing the SNCR system at various loads.

**Lower limit may be imposed by DEQ after in-stack testing

◆ Maximum input ratio for wood and coal to be established after in-stack testing

(9 VAC 5-80-490 and Conditions 24 and 84 of NSR Permits dated 1/30/2008)

2. The primary boilers (001, 002) and the auxiliary boiler (003) shall not operate concurrently, except during start-up and shutdown, and then for no more than 12 hours over any consecutive 24-hour period, and unless both primary boilers are operating at 50 percent capacity or less.
(9 VAC 5-80-490 and Conditions 21 and 81 of NSR Permits dated 1/30/2008)

VI. Diesel Engines Requirements - (005 and 006)

A. Limitations

1. The two diesel engines (005 and 006) shall not operate more than a combined total of 382 hours per year, calculated as the sum of the most recent 12-month period.
(9 VAC 5-80-490 and Conditions 20 and 80 of NSR Permits dated 1/30/2008)
2. The approved fuel for the diesel engines (005 and 006) is distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, ASTM D396 "Standard Specification for Fuel Oils" except as modified by Conditions VI.A.3 and VI.A.4. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-490 and Conditions 31 and 91 of NSR Permits dated 1/30/2008)
3. The maximum sulfur content of the oil to be burned in the diesel engines (005 and 006) shall not exceed 0.3 percent by weight per shipment.
(9 VAC 5-80-490 and Conditions 34 and 94 of NSR Permits dated 1/30/2008).
4. The (annual rolling) average sulfur content of the fuel oil to be burned in the diesel engines (005 and 006) shall not exceed 0.2 percent by weight.
(9 VAC 5-80-490 and Conditions 35 and 95 of NSR Permits dated 1/30/2008)
5. Visible emissions from the diesel engines (005 and 006) shall not exceed ten (10) percent opacity.
(9 VAC 5-80-490 and Conditions 28 and 88 of the NSR Permits dated 1/30/2008)
6. Emissions from the operation of the diesel engines (005 and 006) shall not exceed the limits specified below:

Criteria Pollutant	lb/hr	ton/yr
Nitrogen Oxides (as NO ₂)	44.44	3.19
Carbon Monoxide	9.57	0.69

Annual limit calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-490 and Conditions 25 and 85 of NSR Permits dated 1/30/2008)

B. Recordkeeping

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, South Central Regional Office. These records shall include, but are not limited to:

1. Annual hours of operation of the diesel engines (005 and 006), calculated monthly as the sum of each consecutive 12-month period.
2. The maximum sulfur content per shipment of distillate oil burned in the diesel engines (005 and 006).
3. The annual rolling average sulfur content of the distillate oil burned in the diesel engines (005 and 006), calculated monthly as the sum of each consecutive 12-month period.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-490, 9 VAC 5-50-50, and Conditions 53, 54, 114 and 115 of NSR Permits dated 1/30/2008)

C. Testing

The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the South Central Regional Office, test ports will be provided at the appropriate locations.

(9 VAC 5-80-490, 9 VAC 5-50-30, and Conditions 51 and 112 of the NSR Permits dated 1/30/2008)

D. Reporting

Upon request of the Department, the permittee shall provide reports in a manner and form using procedures acceptable to the Department.

(9 VAC 5-80-490)

VII. Coal, Wood, Ash & Lime Handling Requirements - (007-017, 019, 020-023, 025)

A. Limitations

1. Particulate emissions from the wood storage silo, the emergency truck loading station, coal feed silos, lime storage silo, recycle bin and discharge storage silo shall be controlled by fabric filters. The fabric filters shall be provided with adequate access for inspection.

(9 VAC 5-80-490 and Conditions 6 and 65 of NSR Permits dated 1/30/2008)

2. Fugitive dust emissions from the coal unloading, feeding and conveying shall be controlled by wet suppression with surfactant as necessary.
(9 VAC 5-80-490 and Conditions 9 and 68 of NSR Permits dated 1/30/2008)
3. The wood pulverizer systems shall include fabric filters for the collection of pulverized wood fuel. The fabric filters shall be provided with adequate access for inspection.
(9 VAC 5-80-490 and Conditions 10 and 69 of NSR Permits dated 1/30/2008)
4. Lime slaker emissions shall be controlled by fabric filter. The fabric filter shall be provided with adequate access for inspection and shall have a device for continuous measurement of pressure drop.
(9 VAC 5-80-490 and Conditions 11 and 70 of NSR Permits dated 1/30/2008)
5. The coal crusher and the wood pulverizer shall be enclosed to prevent fugitive dust emissions. A fabric filter or other dust control methods, as approved by the South Central Regional Office may be required after visible inspection by Agency personnel.
(9 VAC 5-80-490 and Conditions 12 and 71 of NSR Permits dated 1/30/2008)
6. All conveyor belt returns shall be equipped with a belt scraper system. Scrapings shall be returned in an enclosed manner to the main flow of material.
(9 VAC 5-80-490 and Conditions 13 and 72 of NSR Permits dated 1/30/2008)
7. Fugitive dust emissions from the coal feed hopper to the primary boiler silo shall be controlled by enclosed belt feed conveyors.
(9 VAC 5-80-490 and Conditions 14 and 73 of NSR Permits dated 1/30/2008)
8. Fugitive dust emissions from the ash and flue gas desulfurization product storage silo shall be controlled by mixing the discharge with water.
(9 VAC 5-80-490 and Conditions 15 and 74 of NSR Permits dated 1/30/2008)
9. Coal stockpiles shall be moistened or treated (wet suppression and surfactant) and the stockpile surfaces shall be kept moist or treated as required to minimize emissions during storage and handling.
(9 VAC 5-80-490 and Conditions 16 and 75 of NSR Permits dated 1/30/2008)
10. Fugitive particulate emissions from the unloading, transfer and handling of wood chips shall be minimized by utilizing methods approved by DEQ.
(9 VAC 5-80-490 and Condition 77 of NSR Permit dated 1/30/2008)
11. Visible emissions from the fugitive emission points shall not exceed ten (10) percent opacity.
(9 VAC 5-80-490, 40 CFR 60.252, and Conditions 28 and 88 of NSR Permits dated 1/30/2008)

12. Visible emissions from all fabric filters associated with the lime, coal, ash, wood handling shall not exceed five (5) percent opacity.
(9 VAC 5-80-490, 40 CFR 60.252, and Conditions 29 and 89 of NSR Permits dated 1/30/2008)
13. Emissions from the operation of the coal, wood dust, wood chips, ash and lime storage and handling systems shall not exceed the limits specified below:

Criteria Pollutant	lb/hr	ton/yr
Particulate Matter	11.20	8.86
PM-10	11.19	8.85

These emissions are derived from the estimated overall emissions contribution and are included for emission inventory purposes. Compliance shall be determined as stated in Conditions III.A.6, VII.A.1 through VII.A.12, and IX.A.1.
(9 VAC 5-80-490 and Conditions 26 and 86 of NSR Permits dated 1/30/2008)

B. Monitoring

1. Visible emission observations from the fabric filter exhaust stacks and all fugitive emission points shall be conducted at least once a week. If visible emissions are observed, the permittee shall:
 - a. Take timely corrective action such that the equipment resumes operation with no visible emissions or,
 - b. Perform a visible emission evaluation (VEE) in accordance with 40 CFR 60, Appendix A, Method 9 to assure visible emissions from any fabric filter is less than five (5) percent opacity or any fugitive emission point is less than ten (10) percent opacity. The VEE shall be conducted for a minimum of six (6) minutes. If any of the 15-second observations exceeds the appropriate opacity value listed in Conditions VII.A.11 or VII.A.12, the VEE shall be conducted for a total of sixty (60) minutes. If compliance is not demonstrated by the VEE, timely corrective action shall be taken such that the equipment resumes operation with visible emissions of less than the allowable limits listed in Conditions VII.A.11 or VII.A.12.

A record of the date, time, observer, cause and corrective measures taken shall be made. If no visible emissions were observed, a record of the date, time and observer shall be made. These records shall be maintained on site by the permittee for the most recent 5-year period.
(9 VAC 5-80-490 E)

C. Recordkeeping

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, South Central Regional Office. These records shall include, but are not limited to:

1. The results of the weekly opacity observations of all emissions points associated with these processes (007-017, 019, and 020-023, 025), along with any corrective actions.
2. All records required by 40 CFR 60 Subpart Y for coal crushing equipment (009) have been satisfied.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-490 and Conditions 53 and 114 of NSR Permits dated 1/30/2008)

D. Testing

The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports will be provided at the appropriate locations.

(9 VAC 5-80-490 and Conditions 51 and 112 of the NSR Permits dated 1/30/2008)

E. Reporting

Upon request of the Department, the permittee shall provide reports in a manner and form using procedures acceptable to the Department. All reports required by 40 CFR 60 Subpart Y for coal crushing equipment (009) have been satisfied.

(9 VAC 5-80-490)

VIII. Distillate Fuel Oil Storage Tank Requirements - (024)

The permittee shall keep readily accessible records showing tank dimensions and an analysis showing the capacity of the distillate oil storage tank (024) and shall report to the South Central Regional Office if the maximum true vapor pressure of the stored product exceeds 0.50 psi.

(9 VAC 5-80-490, 40 CFR 60.116b, and Conditions 50 and 110 of NSR Permits dated 1/30/2008)

IX. Facility Wide Conditions

A. Requirements

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, South Central Regional Office. These records shall include, but are not limited to:

- a. The permittee shall develop, maintain, and have available to all operators, good written operating procedures for all air pollution control equipment. A maintenance schedule for all such equipment shall be established and made available to the South Central Regional Office for review.
- b. Any host steam agreement, excluding financial terms, shall be made available on site for review by the DEQ upon request.
- c. 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 instruments, and copies of all reports required by the permit.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-490 and Conditions 45, 53, 55, 105, 114, and 116 of NSR Permits dated 1/30/2008)

2. No project shall result in a major modification as defined in 9 VAC 5-80-1615 without receiving a permit pursuant to 9 VAC 5-80 Article 8. For projects which rely on excluded emissions (subsection c of the definition of “projected actual emissions” in 9 VAC 5-80-1615) to be exempt from review under 9 VAC 5-80 Article 8, the following conditions shall apply:
 - a. The permittee shall maintain records sufficient to demonstrate the project did not result in a major modification as defined in 9 VAC 5-80-1615. Any increase in emissions without sufficient documentation shall be attributed to the project.
 - b. If annual emissions after the project (12 month rolling total) exceed the “baseline actual emissions” (as defined in 9 VAC 5-80-1615) for the project by a “significant” amount (as defined in 9 VAC 5-80-1615), the permittee shall notify the South Central Regional Office within fifteen (15) days after the event.

For each applicable project, Conditions IX.A.2.a and IX.A.2.b are effective for the projection period as prescribed in the definition of “projected actual emissions” located in 9 VAC 5-80-1615. Nothing in this condition shall restrict when the Board may find the permittee in violation of 9 VAC 5-80-1625 A.

(9 VAC 5-80-490 and Condition 111 of NSR Permit dated 1/30/2008)

3. Where there is a reasonable possibility a project may result in a significant emissions increase and the permittee elects to use the method specified in subdivisions a

through c of the definition of "projected actual emissions" in 9 VAC 5-80-1615 for calculating projected actual emissions, the permittee shall comply with 9 VAC 5-80-1785 B, C and E.
 (9 VAC 5-80-490 and 9 VAC 5-80-1785)

X. 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.	Description	Citation 9 VAC 5-80-720 A, or B, or C	Pollutant(s) Emitted (9 VAC 5-80- 720B)	Rated Capacity (if applicable to 9 VAC 5-80-720 C)
---	Turbine Lube Oil Reservoir	9 VAC 5-80-720-B.2	VOC	
---	Solvent-based parts washer (non-halogenated)	9 VAC 5-80-720-B.2	VOC	
---	Used oil tank	9 VAC 5-80-720-C.3		200 gallons
---	Oil/Water Separator (sump)	9 VAC 5-80-720-C.3		280 gallons

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.

XI. 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
None identified		

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 (i) 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 5-80-490 and 9 VAC 5-80-500)

XII. Title IV Requirements

The attached Phase II Acid Rain Permit Application is incorporated into this permit by reference (Attachment A). 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

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, Code of Federal Regulations §§72.1 through 76.16, the Commonwealth of Virginia Department of Environmental Quality issues this permit pursuant to the Virginia Regulations for the Control and Abatement of Air Pollution (9 VAC 5 Chapter 80, Article 3 - Acid Rain Operating Permits).

B. SO₂ Allowance Allocations and NO_x Requirements for affected units

		2009	2010	2011	2012	2013
Unit 1	SO ₂ allowances, allocated by U.S. EPA (tons)	None ¹	None ¹	None ¹	None ¹	None ¹
	NO _x limit	Not applicable ²				

		2009	2010	2011	2012	2013
Unit 2	SO ₂ allowances, allocated by U.S. EPA (tons)	None ¹	None ¹	None ¹	None ¹	None ¹
	NO _x limit	Not applicable ²				

¹ See Condition XII.C.2

² See Condition XII.C.3

C. Additional Requirements, Comments, Notes, and Justifications

1. Dominion Generation shall submit a complete permit application that includes all of the information required under 40 CFR §§72.21 and 72.31 at least 6 months, but no earlier than 18 months, prior to the date of expiration of the existing Title IV, Phase

II, Acid Rain permit. EPA forms shall be used.
(9 VAC 5-80-430 C.5)

2. These units (Units 1 and 2) were not eligible for SO₂ allowance allocations by U.S. EPA under Section 405 of the Clean Air Act and the Acid Rain Program. 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 these units to hold additional allowances recorded in accordance with 40 CFR Part 73. The owners and operators of these units 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)
3. Units 1 and 2 are spreader stoker boilers and are therefore not subject to NOx limitations under 40 CFR Part 76.
(9 VAC 5-80-490 and 40 CFR Part 76)

XIII. 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

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-430, has been submitted, to the Department, by the owner, the right of the facility to operate shall be terminated upon permit expiration.

1. 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.
2. 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.
3. 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.

4. 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.
5. The protection under subsections F.1 and F.5(ii) of section 9 VAC 5-80-430 F 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 and July 1 to December 31.
- b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:
 - (i) Exceedance of emissions limitations or operational restrictions,
 - (ii) 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,
 - (iii) 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.”

(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 9 VAC 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. The identification of each term or condition of the permit that is the basis of the certification.
3. The compliance status.
4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
5. 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 reporting period.

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, South Central 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 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-50-40. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition XIII.C.3 of this permit.

(9 VAC 5-80-490 F.2 and 9 VAC 5-80-650)

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 after the malfunction is discovered, notify the Director, South Central Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of the discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities and pollutants subject to the monitoring requirements of 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, South Central Regional Office.

1. The emission units that have continuous monitors subject to 9 VAC 5-50-50 C are not subject to the 14 day written notification.
2. The emission units subject to the reporting and the procedure requirements of 9 VAC 5-50-50 C are listed below:
 - a. Main Boiler (001)
 - b. Main Boiler (002)
 - c. Auxiliary Boiler (003).
3. Each owner required to install a continuous monitoring system subject to 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 semiannual period. All semiannual reports shall be postmarked by the 30th day following the end of each calendar semiannual period and shall include the following information:
 - a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), 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 5-50-50 C must submit written reports within 14 days of the malfunction occurrence.

(9 VAC 5-80-490, 9 VAC 5-20-180 C, and 9 VAC 5-50-50)

G. Severability

The terms of this permit are severable. 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 5-80-360 *et seq.*, 9 VAC 5-80-1100, 9 VAC 5-80-1605, 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 and L)

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 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 preceding 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 and 9 VAC 5-80-340 C)

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 tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-80-490 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

1. 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 5-80-490, 9 VAC 5-50-20 E, and 60.11(d))

2. The permittee shall maintain a spare parts inventory for equipment associated with all air pollution control and monitoring equipment to minimize down time during periods of malfunction. In the event that any pollution control equipment on either of the main boilers malfunctions or has unscheduled maintenance in such a manner as to cause a violation of any emission standard set forth in this permit, the permittee shall immediately shut down the affected boiler in a controlled fashion or isolate the problem for an immediate correction. The permittee shall contact the South Central Regional Office within two (2) business hours of said maintenance of malfunction. (9 VAC 5-80-490 and Conditions 46 and 106 of NSR Permits dated 1/30/2008)

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 years or more. Such reopening shall be completed no 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 5-80-490 and 9 VAC 5-80-510 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another or from one piece of equipment to another.
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.
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 5-80-490 and 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.
4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-490 and 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 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 submit 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 5-80-490 and 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.
(9 VAC 5-80-490 and 40 CFR Part 82, Subparts A - F)

Y. 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 by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(9 VAC 5-80-490 and 40 CFR Part 68)

Z. 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)

AA. 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)

BB. Operational Flexibility

The provisions of 9 VAC-5-80-680 regarding operational flexibility applies.
(9 VAC 5-80-490 and 9 VAC-5-80-680)

XIV. Clean Air Interstate Rule (CAIR) Requirements

The permittee shall comply with all applicable CAIR requirements (9 VAC 5-140-1010 et seq., 9 VAC 5-140-2010 et seq., 9 VAC 5-140-3010 et seq., 9 VAC 5-140-5010 et seq., and 40 CFR Part 96) by the compliance date in the respective Part of 9 VAC 5 Chapter 140, as contained in the CAIR Permit. The CAIR Permit is Attachment B to this document and expires upon expiration of this Title V permit.
(9 VAC 5-80-490, 40 CFR Part 96, and 9 VAC 5 Chapter 140)

Attachment A
Phase II Acid Rain Application

Attachment B
Clean Air Interstate Rule (CAIR) Application

ATTACHMENT C – SOURCE TESTING REPORT FORMAT

Report Cover

1. Plant name and location
2. Units tested at source (indicate Ref. No. used by source in permit or registration)
3. Test Dates.
4. Tester; name, address and report date

Certification

1. Signed by team leader/certified observer (include certification date)
2. Signed by responsible company official
3. *Signed by reviewer

Copy of approved test protocol

Summary

1. Reason for testing
2. Test dates
3. Identification of unit tested & the maximum rated capacity
4. *For each emission unit, a table showing:
 - a. Operating rate
 - b. Test Methods
 - c. Pollutants tested
 - d. Test results for each run and the run average
 - e. Pollutant standard or limit
5. Summarized process and control equipment data for each run and the average, as required by the test protocol
6. A statement that test was conducted in accordance with the test protocol or identification & discussion of deviations, including the likely impact on results
7. Any other important information

Source Operation

1. Description of process and control devices
2. Process and control equipment flow diagram
3. Sampling port location and dimensioned cross section Attached protocol includes: sketch of stack (elevation view) showing sampling port locations, upstream and downstream flow disturbances and their distances from ports; and a sketch of stack (plan view) showing sampling ports, ducts entering the stack and stack diameter or dimensions

Test Results

1. Detailed test results for each run
2. *Sample calculations
3. *Description of collected samples, to include audits when applicable

Appendix

1. *Raw production data
2. *Raw field data
3. *Laboratory reports
4. *Chain of custody records for lab samples
5. *Calibration procedures and results
6. Project participants and titles
7. Observers' names (industry and agency)
8. Related correspondence
9. Standard procedures

* Not applicable to visible emission evaluations