



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

www.deq.virginia.gov

Stefanie K. Taillon
Secretary of Natural and Historic Resources

Michael S. Rolband, PE, PWD, PWS Emeritus
Director

July 7, 2025

Mr. Jean Caillere
Facility Manager
Chirisa Richmond LLC
1401 Meadowville Technology Pkwy,
Chester, Virginia 23836

Location: Chesterfield County
Registration No.: 52432

Dear Mr. Caillere:

Attached is an administrative amendment to your new source review permit approval dated November 14, 2024 to construct and operate a data center in accordance with the provisions of the Virginia Regulations for the Control and Abatement of Air Pollution. Permit changes are reflected in Conditions 17 and 18 on page(s) 9 and 10. This amended permit document supersedes your permit document dated November 14, 2024.

The Department of Environmental Quality (DEQ) deemed the application complete on June 9, 2025, and has determined that the application meets the requirements of 9VAC5-80-1270 A for an administrative amendment to a new source review permit.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and/or civil charges. Please read all permit conditions carefully.

This permit approval to construct and operate shall not relieve Chirisa Richmond LLC of the responsibility to comply with all other local, state, and federal permit regulations.

The backup diesel engine-generator sets, and the already permitted sets are subject to 40 CFR 63, Maximum Achievable Control Technology (MACT), Subpart ZZZZ and 40 CFR 60, New Source Performance Standard (NSPS), Subpart IIII. Virginia has not accepted delegation of these rules for sources that are not major. In summary, the units are required to comply with certain federal emission standards and operating limitations. The Department of Environmental Quality (DEQ) advises you to review the referenced MACT and NSPS to ensure compliance with applicable emission and operational limitations. As the owner/operator you are also responsible for any monitoring, testing, notification, reporting and recordkeeping requirements of the MACT and NSPS. Notifications shall only be sent to EPA, Region III.

To review any federal rules referenced in the above paragraph or in the attached permit, the US Government Publishing Office maintains the text of these rules at www.ecfr.gov, Title 40, Part 60 and 63.

The Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provide that you may request a formal hearing from this case decision by filing a petition with the DEQ within 30 days after this case decision notice was mailed or delivered to you. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal of this decision by filing a Notice of Appeal with:

Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

If this permit was delivered to you by mail, three days are added to the thirty-day period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please contact the regional office at (804) 527-5020.

Sincerely,



James E. Kyle, P.E., Air Permit Manager
Virginia Department of Environmental Quality
(804) 489-6241
james.kyle@deq.virginia.gov
Piedmont Regional Office
4949-A Cox Road, Glen Allen, VA 23060
(804) 527-5020

Attachments: Permit
Source Testing Report Format

cc: File
Inspector and Manager, Air Compliance



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Director

STATIONARY SOURCE PERMIT TO CONSTRUCT AND OPERATE

This permit document supersedes your permit document dated November 14, 2024.

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution,

Chirisa Richmond LLC
1401 Meadowville Technology Pkwy
Chester, Virginia 23836
Registration No.: 52432

is authorized to construct and operate

a data processing center

located at

1401 Meadowville Technology Parkway
Chesterfield County, Virginia

in accordance with the Conditions of this permit.

Approved on July 7, 2025.

A handwritten signature in blue ink, appearing to read "J. Kyle", written over a horizontal line.

James E. Kyle, P.E.
Air Permit Manager

Permit consists of 13 pages.
Permit Conditions 1 to 27.

INTRODUCTION

This permit document is based on and combines permit terms and conditions in accordance with 9VAC5-80-1255 from the following permit approvals and the respective permit applications:

- Minor NSR administrative amendment dated July 7, 2025 based on the permit application dated June 9, 2025.
- Minor NSR permit approval dated November 14, 2024 based on the permit application dated August 12, 2024.
- Minor NSR permit approval dated November 8, 2023 based on the permit application dated July 28, 2023.
- Minor NSR permit approval dated October 11, 2012, based on the permit application dated August 28, 2012;

Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action. In addition, this facility may be subject to additional applicable requirements not listed in this permit document.

Words or terms used in this permit shall have meanings as provided in 9 VAC 5-10-10 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution. The regulatory reference or authority for each condition is listed in parentheses () after each condition. The enabling permit program, or permit programs is provided below each permit condition in the regulatory authority parenthetical as follows: 9VAC5-80-850 for Article 5, 9VAC5-80-1180 for Article 6, 9VAC5-80-1985 for Article 8, and 9VAC5-80-2050 for Article 9. The most recent effective date for a condition is listed in brackets [] after each regulatory reference. When identical conditions on approval for one or more emission units are combined, the listed effective date does not alter the prior effective date(s) for any such conditions as issued in a previous permit action. In accordance with 9VAC5-80-1120F, any condition not marked as state-only enforceable (SOE) is state and federally enforceable.

Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate a prompt response by the permittee to requests by the DEQ for information to include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact.

The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.2-3700 through 2.2-3714 of the Code of Virginia, § 10.1-1314 (addressing information provided to the DEQ) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations.

Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.

Equipment List - Equipment at this facility covered by this permit consists of:

Equipment included in the project:

Reference No.	Location*	Equipment Description	Rated Capacity	Delegated Federal Requirements
EG-2-01 through EG-2-31	CTP-02	Thirty-one (31) Cummins Model C3000D6EB (QSK78-36) backup engine-generator sets	4,441 bhp 3,000 kW, each	N/A

Other Permitted Equipment:

Reference No.	Location*	Equipment Description	Rated Capacity	Delegated Federal Requirements
EG01-EG05	CTP-01	Five (5) Caterpillar Model C175-16 backup engine-generator sets	4,423 bhp 3,000 kW, each	N/A
EG06	CTP-01	One (1) Caterpillar Model 3512C backup engine-generator sets	2,206 bhp 1,500 kW	N/A
EG07-EG15	CTP-01	Nine (9) Caterpillar Model 3516C backup engine-generator sets	3,633 bhp 2,500 kW, each	N/A

*Chirisa Richmond LLC (CTP-01 property owner) and CTP-02 PropCo LLC (CTP-02 property owner) are under common ownership of Chirisa Piscataway Inc. and other entities.

Specifications included in the above tables are for informational purposes only and do not form enforceable terms or conditions of the permit.

PROCESS REQUIREMENTS

1. Emission Controls - Nitrogen oxides (NO_x) emissions from the engine-generator sets (Ref. Nos. EG07 – EG15 and EG-2-01 through EG-2-31) shall be controlled by turbocharged engine and aftercooler/charge air cooler. The permittee shall maintain documentation that demonstrates the engine design and/or control device has been installed on each engine-generator set.
(9 VAC 5-80-1180 and 9 VAC 5-50-260) [November 14, 2024]
2. Emission Controls - Visible emissions and nitrogen oxide (NO_x) emissions shall be controlled by the use of good operating practices and performing appropriate maintenance in accordance with the manufacturer recommendations. In addition, the permittee may only change those settings that are permitted by the manufacturer and do not increase air emissions.
(9 VAC 5-80-1180 and 9 VAC 5-50-260) [November 14, 2024]
3. Monitoring Devices - Each engine-generator set (Ref. Nos. EG07 – EG15 and EG-2-01 through EG-2-31) 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-generator set shall be observed by the owner with a frequency of not less than once each day the engine-generator set 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 5-80-1180 D) [November 14, 2024]

OPERATING/EMISSION LIMITATIONS

4. Operation of the Engine-Generator Set - The permittee shall operate and maintain each engine-generator set (Ref. Nos. EG07-EG15 and EG-2-01 through EG-2-31) and control device according to the manufacturer's written instructions or procedures developed by the permittee that are approved by the engine manufacturer.
(9 VAC 5-80-1180) [November 14, 2024]
5. Emergency Power Generation - The engine-generator sets (Ref. Nos. EG01 – EG15 and EG-2-01 through EG-2-31) shall only be operated in the following modes:
 - a. In situations that arise from sudden and reasonably unforeseeable events where the primary energy or power source is disrupted or disconnected due to conditions beyond the control of an owner or operator of a facility including:
 - i. A failure of the electrical grid;
 - ii. On-site disaster or equipment failure; or
 - iii. Public service emergencies such as flood, fire, natural disaster, or severe weather conditions.
 - b. For participation in an ISO-declared emergency, where an ISO emergency is:
 - i. An abnormal system condition requiring manual or automatic action to maintain system frequency, to prevent loss of firm load, equipment damage, or tripping of system elements that could adversely affect the reliability of an electric system or the safety of persons or property;
 - ii. Capacity deficiency or capacity excess conditions;
 - iii. A fuel shortage requiring departure from normal operating procedures in order to minimize the use of such scarce fuel;

- iv. Abnormal natural events or man-made threats that would require conservative operations to posture the system in a more reliable state; or
 - v. An abnormal event external to the ISO service territory that may require ISO action.
- c. For periodic maintenance, testing, and operational training.

When changing from Emergency Power Generation to Non-Emergency (Alternate) Power Generation, the permittee shall submit appropriate documentation to the Department of Environmental Quality (DEQ) and receive DEQ approval for the change in the method of operation of the engine-generator set to ensure that the facility remains in compliance with the appropriate permitting requirements. Total emissions for any 12-month period, calculated as the sum of all emissions from operations under the scenarios above, shall not exceed the limits stated in Conditions 10 through 13.
(9 VAC 5-80-1180) [November 14, 2024]

6. Operating Hours – Each engine-generator (Ref. Nos. EG01-EG15) shall operate no more than 150 hours per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC5-80-1180) [November 8, 2023]
7. Fuel Throughput - The engine-generator sets (Ref. Nos. EG-2-01 through EG-2-31) shall consume no more than 232,500 gallons of diesel fuel per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-1180) [November 14, 2024]
8. Fuel - The approved fuel for the engine-generator sets (Ref. Nos. EG01-EG15 and EG-2-01 through EG-2-31) is diesel fuel. The diesel fuel shall meet the ASTM D975 specification for S15 diesel fuel oil with a maximum sulfur content per shipment of 0.0015%. A change in the fuel shall be considered a change in the method of operation of the data processing center and may require a new or amended permit. However, if a change in the fuel is not subject to new source review permitting requirements, this condition should not be construed to prohibit such a change.
(9 VAC 5-80-1180 and 9 VAC 5-50-260) [November 14, 2024]
9. Fuel Certification - The permittee shall obtain a certification from the fuel supplier with each shipment of diesel fuel. Each fuel supplier certification shall include the following:
- a. The name of the fuel supplier;

- b. The date on which the diesel fuel was received;
- c. The quantity of diesel fuel delivered in the shipment;
- d. A statement that the diesel fuel complies with the American Society for Testing and Materials specifications (ASTM D975) for S15 diesel fuel oil; and
- e. The sulfur content of the diesel fuel.

Fuel sampling and analysis, independent of that used for certification, as may be periodically required or conducted by DEQ may be used to determine compliance with the fuel specifications stipulated in Condition 8. Exceedance of these specifications may be considered credible evidence of the exceedance of emission limits.
(9 VAC 5-80-1180) [October 11, 2012]

EMISSION LIMITS

10. Process Emission Limits - Emissions from the operation of the generators (Ref. Nos. EG01-EG05) shall not exceed the limits specified below:

	<u>Each Unit</u>		<u>Combined Total</u>	
Particulate Matter	0.9	lbs/hr	0.3	tons/yr
PM-10	0.9	lbs/hr	0.3	tons/yr
Sulfur Dioxide	0.1	lbs/hr	0.1	tons/yr
Nitrogen Oxides (as NO ₂)	71.0	lbs/hr	26.6	tons/yr
Carbon Monoxide	14.3	lbs/hr	5.4	tons/yr
Volatile Organic Compounds	2.3	lbs/hr	0.9	tons/yr

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

(9 VAC 5-80-1180) [October 11, 2012]

11. Process Emission Limits - Emissions from the operation of the generator (Ref. No. EG06) shall not exceed the limits specified below:

Particulate Matter	0.2	lbs/hr	0.1	tons/yr
PM-10	0.2	lbs/hr	0.1	tons/yr
Sulfur Dioxide	0.1	lbs/hr	0.1	tons/yr
Nitrogen Oxides (as NO ₂)	29.6	lbs/hr	2.2	tons/yr
Carbon Monoxide	3.9	lbs/hr	0.3	tons/yr
Volatile Organic Compounds	0.7	lbs/hr	0.1	tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition 6.
 (9 VAC 5-80-1180) [October 11, 2012].

12. Emission Limits - Emissions from the operation of the engine-generator sets (Ref. Nos. EG07-EG15) shall not exceed the limits specified below:

	<u>Each Unit</u>		<u>Combined Total</u>	
Particulate Matter	0.4	lbs/hr	0.3	tons/yr
PM-10	0.4	lbs/hr	0.3	tons/yr
Sulfur Dioxide	0.1	lbs/hr	0.1	tons/yr
Nitrogen Oxides (as NO ₂)	48.0	lbs/hr	32.4	tons/yr
Carbon Monoxide	6.1	lbs/hr	4.1	tons/yr
Volatile Organic Compounds	1.2	lbs/hr	0.8	tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition 6.
 (9 VAC 5-80-1180 and 9 VAC 5-50-260) [November 8, 2023]

13. Process Emission Limits - Emissions from the operation of the generators (EG-2-01 through EG-2-31) shall not exceed the limits specified below:

	<u>Each Unit</u>		<u>Combined Total</u>	
Particulate Matter	0.5	lbs/hr	0.7	tons/yr
PM-10	0.5	lbs/hr	0.7	tons/yr
Sulfur Dioxide	0.1	lbs/hr	0.1	tons/yr
Nitrogen Oxides (as NO ₂)	57.9	lbs/hr	30.9	tons/yr
Carbon Monoxide	2.6	lbs/hr	5.1	tons/yr
Volatile Organic Compounds	1.0	lbs/hr	1.8	tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition 7 and 8.
(9 VAC 5-80-1180) [November 14, 2024]

14. Process Emission Standard – The combined emissions of nitrogen oxides and hydrocarbons from each generator (EG01-EG06) shall not exceed 6.4 grams per kilowatt hour as determined by the procedures described in 40 CFR part 1039 Subpart B.
(9 VAC 5-80-1180 and 9 VAC 5-50-260) [October 11, 2012].
15. Visible Emission Limit - Visible emissions from each stack of the generators (EG01-EG15 and EG-2-01 through EG-2-31) shall each not exceed 10 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 20 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-1180 and 9 VAC 5-50-260) [November 14, 2024]

INITIAL COMPLIANCE DETERMINATION

16. Internal Combustion Engine Requirements (EG07-EG15) - Stack Test - Initial performance tests shall be conducted for nitrogen oxides (as NO₂) and carbon monoxide (CO) on one (1) engine-generator set (Ref. Nos. EG07-EG15) to determine compliance with the emission limits contained in Condition 12. The tests shall be performed and demonstrate compliance within 60 days after achieving the maximum production rate at which the facility will be operated but in no event later than 180 days after the issuance of this permit action dated November 14, 2024. Tests shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30. The details of the tests are to be arranged with the Piedmont Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. One copy

of the test results shall be submitted to the Piedmont Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.

- a. Emissions testing of each pollutant for each selected engine-generator set shall consist of three one-hour test runs under load. The average of the three runs shall be reported as the short-term emission rate for that engine-generator.
- b. Testing shall be conducted with the engine(s) operating at greater than 90% electrical capacity, unless multiple load band testing is approved by DEQ.
- c. Recorded information shall include, but not be limited to:
 - i. Generator load/kilowatt output.
 - ii. Fuel consumption and fuel sulfur content of the diesel fuel oil.

(9 VAC 5-50-30 and 9 VAC 5-80-1200) [November 14, 2024]

RECORDS

- 17. On Site Records - The permittee shall maintain records of emission data (Ref. Nos. EG01-EG15 and EG-2-01 through EG-2-31) and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Piedmont Regional Office. These records shall include, but are not limited to:
 - a. Annual hours of operation of each engine-generator set (Ref. Nos. EG01-EG15), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - b. Annual consumption of diesel fuel (Ref. Nos. EG-2-01 through EG-2-31), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
 - c. All fuel supplier certifications.
 - d. Engine information including make, model, serial number, model year, maximum engine power (bhp), and engine displacement for each engine-generator set.

- e. The manufacturer's written operating instructions or procedures developed by the owner/operator that are approved by the engine manufacturer for each engine-generator set.
- f. Records of the reasons for operation for each engine-generator set including, but not limited to, the date, cause of operation, cause of the emergency, and the hours of operation.
- g. Operation and control device monitoring records for each engine-generator set (Ref. Nos. EG01-EG15 and EG-2-01 through EG-2-31) as required in Condition 3.
- h. Results of all stack tests and visible emission evaluations.
- i. Records that each generator (Ref. Nos. EG01-EG6) is certified to achieve the emission standard required by Condition 14.
- j. Scheduled and unscheduled maintenance and operator training.

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

(9 VAC 5-80-1180 and 9 VAC 5-50-50) [November 14, 2024]

NOTIFICATIONS

18. Initial Notifications - The permittee shall furnish written notification to the Piedmont Regional Office of:

- a. The actual date on which construction of the engine-generator set (Ref. Nos. EG-2-01 through EG-2-31) commenced within 30 days after such date.
- b. The anticipated start-up date of the engine-generator set (Ref. Nos. EG-2-01 through EG-2-31) postmarked not more than 60 days nor less than 30 days prior to such date.
- c. The actual start-up date of the engine-generator set (Ref. Nos. EG-2-01 through EG-2-31) within 15 days after such date. The actual start-up date shall be the date on which each engine completes manufacturer's trials but shall be no later than thirty days after the initial startup for manufacturer's trials.
- d. The anticipated date of the performance tests and visible emissions evaluation of the engine-generator set (Ref. Nos. EG-2-01 through EG-2-31) postmarked at least 30 days prior to such date.

(9 VAC 5-80-1180 and 9 VAC 5-50-50) [November 14, 2024]

GENERAL CONDITIONS

19. Permit Invalidation - This permit approval dated November 14, 2024 to construct the project shall become invalid, unless an extension is granted by the DEQ, if:
- a. A program of continuous construction is not commenced within 18 months from the date of this permit 18 months + approval date November 14, 2024.
 - b. A program of construction is discontinued for a period of 18 months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of the phased construction of a new stationary source or project.

(9 VAC 5-80-1210)

20. Permit Suspension/Revocation - This permit may be suspended or revoked if the permittee:
- a. Knowingly makes material misstatements in the permit application or any amendments to it;
 - b. Fails to comply with the conditions of this permit;
 - c. Fails to comply with any emission standards applicable to a permitted emissions unit;
 - d. Causes emissions from the stationary source which result in violations of, or interfere with the attainment and maintenance of, any ambient air quality standard; or
 - e. Fails to operate in conformance with any applicable control strategy, including any emission standards or emissions limitations, in the State Implementation Plan in effect at the time an application for this permit is submitted.

(9 VAC 5-80-1210 G)

21. Right of Entry - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of credentials:
- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
 - b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
 - c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and

- d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.
(9 VAC 5-170-130 and 9 VAC 5-80-1180)

- 22. Maintenance/Operating Procedures - At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-50-20 E and 9 VAC 5-80-1180 D)

- 23. Record of Malfunctions - The permittee shall maintain records of the occurrence and duration of any bypass, malfunction, shutdown or failure of the facility or its associated air pollution control equipment that results in excess emissions for more than one hour. Records shall include the date, time, duration, description (emission unit, pollutant affected, cause), corrective action, preventive measures taken and name of person generating the record.
(9 VAC 5-20-180 J and 9 VAC 5-80-1180 D)

- 24. Notification for Facility or Control Equipment Malfunction - The permittee shall furnish notification to the Piedmont Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour. Such notification shall be made no later than four daytime business hours after the malfunction is discovered. The permittee shall provide a written statement giving all

pertinent facts, including the estimated duration of the breakdown, within 14 days of discovery of the malfunction. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the Piedmont Regional Office.

(9 VAC 5-20-180 C and 9 VAC 5-80-1180)

25. Violation of Ambient Air Quality Standard - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.

(9 VAC 5-20-180 I and 9 VAC 5-80-1180)

26. Change of Ownership - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Piedmont Regional Office of the change of ownership within 30 days of the transfer.

(9 VAC 5-80-1240)

27. Permit Copy - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.

(9 VAC 5-80-1180)

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