Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 FAX (804) 698-4178
www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director
(804) 698-4000

Craig R. Nicol
Regional Director

January 26, 2021

Mr. Michael Hall
Manager
MAS Energy, LLC
3340 Peachtree Road NE, Suite 170
Atlanta, Georgia 30326

Location: Suffolk
Registration No.: 61137

Dear Mr. Hall:

Attached is a permit to construct and operate a renewable natural gas (RNG) facility in accordance with the provisions of the Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution.

In the course of evaluating the application and arriving at a final decision to approve the project, the Department of Environmental Quality (DEQ) deemed the application complete on December 8, 2020.

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 Suffolk Energy Partners, LLC of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's 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 Board 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:

David K. Paylor, Director
Department of Environmental Quality
PO 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 James White by email at james.white@deq.virginia.gov.

Sincerely,

Craig R. Nicol
Regional Director

CRN/JIM/61137_001_21_mNSRnew_SuffolkEnergyPartners_cvrltr.docx

Attachment: Permit

Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 FAX (804) 698-4178
www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director
(804) 698-4000

Craig R. Nicol
Regional Director

STATIONARY SOURCE PERMIT TO CONSTRUCT AND OPERATE
This permit includes designated equipment subject to New Source Performance Standards (NSPS).

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

Suffolk Energy Partners, LLC
3340 Peachtree Road NE, Suite 170
Atlanta, Georgia 30326
Registration No.: 61137

is authorized to construct and operate a

Renewable Natural Gas Facility

located at

One Bob Foeller Drive
Suffolk, Virginia 23434

in accordance with the Conditions of this permit.

Approved on: **January 26, 2021**.

Craig R. Nicol

Permit consists of 12 pages.
Permit Conditions 1 to 38.

INTRODUCTION

This permit approval is based on the permit application dated April 16, 2020, including amendment information dated September 14, 2020 and supplemental information dated December 8, 2020. 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.

Words or terms used in this permit shall have meanings as provided in 9VAC5-10-10 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.

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 or the Board 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 Board) of the Code of Virginia, and 9VAC5-170-60 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 to be Constructed:

Reference No.	Equipment Description	Rated Capacity	Delegated Federal Requirements
RNG	Renewable natural gas processing facility consisting of a series of gas compression, adsorption, and separation process equipment necessary to convert raw LFG from the SPSA Regional Landfill into pipeline quality gas	180,000 scf/hr	NSPS, Subpart WWW
TOx	Perennial Energy Model No. EI-FL-76X68-52-TP thermal oxidizer to control emissions from the waste gas produced by the Gas Upgrading System process	24.16 MMBtu/hr	None
BF	Perennial Energy Biogas Candlestick back-up flare (10” diameter x 29 ft. high stack, with a 46” diameter shroud) to control emissions from the off-specification gas produced by the Gas Upgrading System process	82.62 MMBtu/hr	None

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

PROCESS REQUIREMENTS

1. Emission Controls - The landfill gas (LFG) collected at the Southeastern Public Service Authority of Virginia (SPSA) Regional collection system (Registration No. 61341) shall be routed to a treatment system (Ref. No. RNG) that processes the collected gas for subsequent sale or use. If the collected LFG cannot be routed to a treatment system (Ref. No. RNG) for subsequent sale or use, the collected LFG shall be routed to a control system that complies with the requirements in either paragraph (b)(2)(iii) (A) or (B) of 40 CFR 60. 752.
(9VAC5-80-1180 and 40 CFR 60.752)

2. Emission Controls - Venting of treated LFG to the ambient air shall not be allowed. If the treated LFG cannot be processed for subsequent use as pipeline quality gas, then the treated gas shall be controlled in accordance with Condition 3 of the permit. Atmospheric vents located on condensate storage tanks are not part of the treatment system.
(9VAC5-80-1180)

3. Emission Controls - A 24.16 MMBtu/hr thermal oxidizer (Ref. No. TOx) shall be used to incinerate (oxidation) volatile organic compound (VOC), H_2S, and TRS emissions from the waste gas produced by the Gas Upgrading System process. A 82.62 MMBtu/hr back-up candlestick flare (Ref. No. BF) shall be used to control VOC, H_2S, and TRS emissions from the off-specification gas produced from the Gas Upgrading System process. The back-up candlestick flare shall be designed in accordance and comply with the requirements of 40 CFR Part 60.18 for minimum heating value and maximum tip velocity. Each emission control device shall be provided with adequate access for inspection and shall be in operation whenever gas is being routed to the device.
(9VAC5-80-1180 and 9VAC5-50-260)

4. Control Efficiency - The thermal oxidizer (Ref. No. TOx) shall be designed and operated to either reduce NMOC by 98 weight percent or reduce the outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at three percent oxygen. The reduction efficiency or parts per million by volume shall be established by an initial performance test to be completed in accordance with Condition 22.
(9VAC5-80-1180 and 9VAC5-50-260)

5. Control Efficiency - The thermal oxidizer (Ref. No. TOx) shall achieve a VOC, H_2S, and TRS destruction efficiency of not less than 99 weight-percent on a mass basis and the back-up candlestick flare (Ref. No. BF) shall achieve a VOC, H_2S, and TRS destruction efficiency of not less than 98 weight-percent on a mass basis.
(9VAC5-80-1180 and 9VAC5-50-260)

6. Best Management Practices (BMPs) - The permittee shall use good combustion practices at all times to ensure emissions from the emissions control devices (Ref. Nos. TOx and BF) are minimized. All operators of the devices shall be properly trained in the operation and maintenance of the equipment systems in accordance with the guidelines and procedures established by the equipment manufacturers.
(9VAC5-80-1180 and 9VAC5-50-260)

7. Monitoring Devices - Each emissions control device (Ref. Nos. TOx and BF) shall maintain a continuous pilot flame during all operations involving the associated control device. Each pilot flame shall be equipped with a thermocouple(s) or other DEQ-approved equivalent heat sensing monitoring devices to detect the presence of the pilot flame. In addition, the pilot flame shall be equipped with an automatic alarm system that shall provide immediate notification to appropriate personnel of situations involving a flame failure or malfunction. The monitoring devices shall be installed, maintained, calibrated, and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements and/or recommendations. The flame sensing devices shall be provided with adequate access for inspection and be in operation whenever the emissions control device is operating.
(9VAC5-80-1180 and 9VAC5-50-260)

8. Monitoring Devices - The thermal oxidizer (Ref. No. TOx) shall be equipped with a monitoring system(s) to continuously measure and record the temperature (in ^{o}F) at or near the combustion chamber outlet to indicate the temperature in the chamber of the thermal oxidizer. The temperature shall be recorded at 15-minute intervals to generate three-hour temperature averages during periods when the thermal oxidizer is operating. Thermocouple(s) utilized by the monitoring system shall be calibrated annually, at a minimum. Each device shall be installed, maintained, calibrated, and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements and/or recommendations and be provided with adequate access for inspection, and be in operation when the thermal oxidizer is operating.
(9VAC5-80-1180(D) and 9VAC5-50-260)

9. Monitoring Devices - The back-up candlestick flare (Ref. No. BF) shall be equipped with a device to measure the main flame temperature (in ^{o}F) of the emissions control device. The monitoring system shall be capable of performing temperature measurements at 15-minute intervals and generating three-hour temperature averages during periods when the back-up candlestick flare is operating. The monitoring device shall be installed, maintained, calibrated, and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. The monitoring device shall be provided with adequate access for inspection and shall be in operation whenever the flare is operating.
(9VAC5-80-1180(D) and 9VAC5-50-260)

10. Monitoring Device Observation - The recording device used to measure the main flame temperature for the back-up candlestick flare (Ref. No. BF) shall be observed by the permittee at a frequency of not less than once per operating day, or at another unit-specific frequency as recommended by the flare equipment manufacturer. The permittee shall keep a record log of the observations of the flame temperature. The record log should include the flame temperature reading (in ^{o}F) at the time of the observation, the date, time, the observer’s name, and any corrective actions taken when the flare temperature is outside the acceptable range. Alternatively, the flame temperature may be monitored electronically if equipped with an automatic alarm to indicate to the permittee that the flare flame temperature is outside the acceptable range and corrective action is needed.
(9VAC5-80-1180(D))

11. Flame Malfunction Occurrences - The permittee shall keep a record log documenting all occurrences when there was a flame malfunction to the thermal oxidizer (Ref. No. TOx) and/or back-up candlestick flare (Ref. No. BF) during operation of the associated emissions control device. The record log should include the name of the person reporting the occurrence, date, time, and duration of the occurrence, and a description of corrective actions taken, including date and time the repairs were completed. The log book shall be made available for inspection by DEQ and be current for the most recent five years.
(9VAC5-80-1180(D))

OPERATING LIMITATIONS

12. Thermal Oxidizer Operating Hours - The permittee shall be allowed to operate the thermal oxidizer (Ref. No. TOx) continuously (8,760 hours per year).
(9VAC5-80-1180)

13. Thermal Oxidizer Minimum Operating Temperature and Gas Retention Time - The thermal oxidizer (Ref. No. TOx) shall be operated such that the one-hour averaged temperature, as measured at the combustion chamber outlet, be maintained at or above the temperature during the initial performance test in which control efficiency was achieved per Condition 22. Prior to the date of the initial performance test, the thermal oxidizer shall be operated such that the one-hour averaged temperature is at or above the minimum temperature recommended by the manufacturer (compliant operation). After twelve months of compliant operation, the averaging time for the temperature monitoring required by this condition shall be revised to a rolling three-hour average. Unless otherwise approved by the DEQ Tidewater Regional Office, if a monitored rolling three-hour average temperature is less than the DEQ approved set-point temperature, the averaging time for the temperature monitoring required by this condition shall be revised to a one-hour average. The gases in the thermal oxidizer's combustion chamber shall have a minimum retention time of one second at or above the minimum specified combustion chamber temperature.
(9VAC5-80-1180)

14. Back-up Candlestick Flare Operating Hours - The back-up candlestick flare (Ref. No. BF) shall not operate more than 2,000 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.
(9VAC5-80-1180)

15. Back-up Candlestick Flare Heat Content and Tip Velocity - In accordance with 40 CFR 60.18(c)(3), the permittee shall operate the back-up candlestick flare (Ref. No. BF) using either the heat content specifications of 40 CFR 60.18(c)(3)(ii) and the maximum tip velocity specifications of 40 CFR 60.18(c)(4) or the requirements of 40 CFR 60.18 (c)(3)(i). The permittee shall notify the DEQ Tidewater Regional Office of the selected operating specifications in writing within ten days of commencing start-up of the back-up candlestick flare's operation.
(9VAC5-80-1180)

16. Pilot Flame Fuel - The approved fuel for use by the pilot flame burners in the emissions control devices (Ref. Nos. TOx and BF) is natural gas. The use of other fuels shall be considered a change in the method of operation of the affected emissions control device 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. (9VAC5-80-1180)

17. Fuel - The approved fuel for incineration in the thermal oxidizer (Ref. No. TOx) is waste gas produced from the Gas Upgrading System process. Approved fuel for combustion in the back-up candlestick flare (Ref. No. BF) is off-specification gas produced from the Gas Upgrading System process. A change in the fuel supplied to the associated emission control device shall be considered a change in the method of operation for the emission control device 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. (9VAC5-80-1180)

18. Requirements by Reference - Except where this permit is more restrictive than the applicable requirement, the NSPS equipment as described in the Introduction table of the permit shall be operated in compliance with the requirements of 40 CFR 60 (NSPS), Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills. (9VAC5-80-1180, 9VAC5-50-400, and 9VAC5-50-410)

EMISSION LIMITS

19. Thermal Oxidizer Emission Limits - Emissions from the operation of the thermal oxidizer (Ref. No. TOx) shall not exceed the limits specified below:

PM	0.9 lb/hr	3.8 tons/yr
PM10	0.9 lb/hr	3.8 tons/yr
PM2.5	0.9 lb/hr	3.8 tons/yr
Sulfur Dioxide	2.2 lb/hr	9.7 tons/yr
Nitrogen Oxides (as NO_2)	2.2 lb/hr	9.5 tons/yr
Carbon Monoxide	5.4 lb/hr	23.8 tons/yr
Volatile Organic Compounds	0.08 lb/hr	0.4 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 Conditions 3 - 6, 8, 11 - 13, 16, 17, 20, and 26. (9VAC5-80-1180)

20. Visible Emission Limit - Visible emissions from the thermal oxidizer (Ref. No. TOx) exhaust stack shall not exceed five percent opacity, as determined by 40 CFR 60, Appendix A, Method 9. (9VAC5-80-1180, 9VAC5-50-80, and 9VAC5-50-260)

21. Visible Emission Limit - The back-up candlestick flare (Ref. No. BF) shall be operated with no visible emissions, as determined by 40 CFR 60, Appendix A, Method 22, except for periods not to exceed a total of five minutes during two consecutive hours. (9VAC5-80-1180, 9VAC5-50-80, and 9VAC5-50-260)

22. Initial Performance Test - Initial performance tests shall be conducted for NMOC emissions from the thermal oxidizer (Ref. No. TOx) using the procedure described in 40 CFR 60,754 (d) to determine compliance with the operating limits and control efficiency requirements listed in Condition 4 of this permit. The tests shall be conducted by the owner within 180 days after initial startup of the thermal oxidizer. The details of the test are to be arranged with the DEQ Tidewater Regional Office. One copy of the test results shall be submitted to the DEQ Tidewater Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9VAC5-80-1180 and 9VAC5-80-1200)

23. Initial Visible Emissions Evaluation - Concurrently with the initial performance test as required in Condition 22 an initial Visible Emission Evaluation (VEE) shall be conducted on the thermal oxidizer (Ref. No. TOx) in accordance with 40 CFR 60, Appendix A, Method 9 to determine compliance with the visible emission limits specified in Condition 20 of the permit. The details of the test are to be arranged with the DEQ Tidewater Regional Office. The evaluation shall be performed no later than 180 calendar days after commencing initial start-up of the device. Should conditions prevent concurrent opacity observations, the DEQ shall be notified in writing, within seven days, and visible emissions testing shall be rescheduled within 30 days. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests. One copy of the test results shall be submitted to the DEQ Tidewater Regional Office within 45 days after test completion and shall conform to the test report format enclosed with this permit.
(9VAC5-80-1180 and 9VAC5-80-1200)

24. Stack Tests and Visible Emissions Evaluations - Upon reasonable request by the DEQ, the permittee shall conduct additional performance tests and visible emission evaluations on the emissions control devices to demonstrate compliance with the visible emission limits contained in the permit. Details of the tests shall be arranged with the DEQ Tidewater Regional Office.
(9VAC5-80-1200 and 9VAC5-50-30(G))

RECORDS

25. On Site Records - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the DEQ Tidewater Regional Office. These records shall include, but are not limited to:

    a. Annual hours of operation for the back-up candlestick flare (Ref. No. BF), 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. Monitoring records of the recorded three-hour combustion chamber temperature averages (in ^{o}F) for the thermal oxidizer (Ref. No. TOx) as required by Condition 8 of the permit;

    c. The record logbook documentation (or electronic monitoring records) for the observations of the temperature readings (in ^{o}F) for main flame of the back-up candlestick flare (Ref. No. BF) as required by Condition 10 of the permit;

    d. The record logbook documentation (or electronic monitoring records) for all malfunction episodes to the thermal oxidizer (Ref. No. TOx) and/or back-up candlestick flare (Ref. No. BF) as required by Condition 11 of the permit;

    e. Results of all performance tests, visible emissions observations (VEO), and visible emissions evaluations (VEE) performed using EPA Method 9 or Method 22 (40 CFR 60, Appendix A) as required by this permit; and

    f. 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.
    (9VAC5-80-1180 and 9VAC5-50-50)

26. Emissions Testing - The thermal oxidizer (Ref. No. TOx) and back-up flare (Ref. No. BF) shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. This includes constructing the equipment such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and providing a stack or duct that is free from cyclonic flow. Sampling ports shall be provided when requested at the appropriate locations and safe sampling platforms and access shall be provided.
    (9VAC5-50-30(F) and 9VAC5-80-1180)

NOTIFICATIONS

27. Initial Notifications - The permittee shall furnish written notification to the DEQ Tidewater Regional Office (TRO address on cover page of this permit) of:

    a. The actual date on which construction of the RNG facility commenced within 30 days after such date.

    b. The actual start-up date of the RNG facility within 15 days after such date.

    c. The anticipated date of performance tests of the RNG facility postmarked at least 30 days prior to such date.

    Copies of the written notification referenced in items a through c above are to be sent to:
    Chief, Air Section
    Enforcement & Compliance Assurance Division
    Air, RCRA and Toxics Branch
    US EPA Region 3
    1650 Arch Street - 3ED21
    Philadelphia, PA 19103
    (9VAC5-50-50 and 9VAC5-80-1180)

GENERAL CONDITIONS

28. Permit Invalidation - This permit to construct the project (Renewable Natural Gas Facility) 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.

    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.

    (9VAC5-80-1210)

29. 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.

(9VAC5-80-1210(G))

30. 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.
(9VAC5-170-130 and 9VAC5-80-1180)

31. 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, with respect to the emissions control equipment which affect such 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.
(9VAC5-50-20(E) and 9VAC5-80-1180(D))

32. 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.
(9VAC5-20-180(J) and 9VAC5-80-1180(D))

33. Notification for Facility or Control Equipment Malfunction - The permittee shall furnish notification to the DEQ Tidewater 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 DEQ Tidewater Regional Office.
(9VAC5-20-180(C) and 9VAC5-80-1180)

34. 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.
(9VAC5-20-180(I) and 9VAC5-80-1180)

35. Change of Ownership - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current minor NSR permit issued to the previous owner. The new owner shall notify the DEQ Tidewater Regional Office of the change of ownership within 30 days of the transfer.
(9VAC5-80-1240)

36. Permit Copy - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.
(9VAC5-80-1180)

STATE ONLY ENFORCEABLE (SOE) REQUIREMENTS

37. (SOE) The following terms and conditions are included in this permit to implement the requirements of 9VAC5-40-130 et seq., 9VAC5-50-130 et seq., 9VAC5-60-200 et seq. and/or 9VAC5-60-300 et seq. and are enforceable only by the Virginia Air Pollution Control Board. Neither their inclusion in this permit nor any resulting public comment period make these terms federally enforceable.

38. **Odor Management Plan (SOE)** - The permittee shall develop and maintain an Odor Management Plan (OMP) in accordance with 9VAC5 Chapter 50, Part II, Article 2: Standards of Performance for Odorous Emissions. The OMP shall describe the practices and technology that will be used to minimize off-site odors. The initial plan shall be submitted to the Tidewater Regional Office Air Compliance Manager for approval within 60 days of permit issuance. A log of all odor complaints received and actions taken shall be kept and made available for inspection by authorized officials. The OMP shall be evaluated for the need and feasibility of new or modified odor control technology or practices based on actions taken to address odor complaints or when requested by the DEQ. Revisions to the OMP shall be submitted to the Tidewater Regional Office for approval within 15 days after such change.
(9VAC5-80-1180, 9VAC5-80-1120(F), 9VAC5-50-140, 9VAC5-80-110(N), and 9VAC5-80-300)

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