NRO-225-08

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

L. Preston Bryant, Jr.
Secretary of Natural Resources

NORTHERN VIRGINIA REGIONAL OFFICE
13901 Crown Court, Woodbridge, Virginia 22193
(703) 583-3800 Fax (703) 583-3801
www.deq.virginia.gov

David K. Paylor
Director

~~Jeffery A. Steers~~
~~Regional Director~~

July 1, 2008

Mr. Richard E. Biller
Director, Facility Services
Computer Sciences Corporation
15000 Conference Center Drive
Chantilly, Virginia 20151

Registration No.: 73633

Dear Mr. Biller:

Attached is a significant amendment to your new source review permit dated June 20, 2007, to construct and operate two diesel engine-generator sets in accordance with the provisions of the Commonwealth of Virginia State Air Pollution Control Board's (Board) Regulations for the Control and Abatement of Air Pollution (Regulations). This amended permit supersedes your permit dated June 20, 2007.

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.

The Department of Environmental Quality (DEQ) deemed the application complete on March 19, 2008, and has determined that the application meets the requirements of 9 VAC 5-80-1290 A for a significant amendment to a new source review permit.

This permit approval to construct and operate shall not relieve Computer Sciences Corporation (CSC) 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 thirty days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-200 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

Event		
Code: Pmnsr	Pmnsr	AK
Scanned		
QC		

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty 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
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 703.583.3800.

Sincerely,

Terry H. Darton
Regional Air Permit Manager

TAF/THD/AK/08-225-mnsr

Attachments: Permit
Source Testing Report Format

cc: Director, OAPP (electronic file submission)
Regional Air Compliance Manager, NRO (electronic file submission)

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David K. Paylor
Director

~~Jeffery A. Steers~~
~~Regional Director~~

STATIONARY SOURCE PERMIT TO CONSTRUCT AND OPERATE

This permit supersedes your permit dated June 20, 2007.

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

Computer Sciences Corporation (CSC)
15000 Conference Center Drive
Chantilly, Virginia 20151

Registration No.: 73633

is authorized to construct and operate

two diesel engine-generator sets

located at

15000 Conference Center Drive
Chantilly, Virginia 20151

in accordance with the Conditions of this permit.

Approved on: July 1, 2008

Thomas A. Faha
Regional Director

Permit consists of 14 pages.
Permit Conditions 1 to 28.

INTRODUCTION

This permit approval is based on the permit application dated March 28, 2007, and the stack test report submitted on February 14, 1008. Additional correspondence regarding this facility includes the letter dated March 17, 2008, requesting a permit amendment. 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.

Words or terms used in this permit shall have meanings as provided in 9 VAC 5-80-1110 (definitions) and 9 VAC 5-10-20 of the State Air Pollution Control Board's (Board) Regulations for the Control and Abatement of Air Pollution (Regulations). 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 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.

PROCESS REQUIREMENTS

1. **Equipment List** - Equipment at this facility consists of the following:

Equipment Constructed				
Reference No.	**Equipment Description**	**Rated Capacity**	**Federal Requirements**	
G-01	Diesel fueled Generator Set Mitsubishi S16R-PTA2 Engine, Model #D1750FRY4	2614 bhp, generating 1750 kW		
G-02	Diesel fueled Generator Set Mitsubishi S16R-PTA2 Engine, Model 743RSL4052	2614 bhp, generating 1750 kW		

Equipment Exempt from Permitting				
Reference No.	**Equipment Description**	**Rated Capacity**	**Exemption Citation**	**Exemption Date**
G-03	Diesel fueled Generator Set, D200FRX4T1	200 kW	Installed in 1998	
T-01	UST for diesel fuel	4,000 gallons	9 VAC 5-80-1320B.8	
T-02	UST for diesel fuel	1,000 gallons	9 VAC 5-80-1320B.8	
T-03	UST for diesel fuel	1,500 gallons	9 VAC 5-80-1320B.8	
T-04	UST for diesel fuel	500 gallons	9 VAC 5-80-1320B.8	

Specifications included in the permit under this Condition are for informational purposes only and do not form enforceable terms or conditions of the permit. (9 VAC 80-1180 D 3)

2. **Emission Controls**

   a. Nitrogen Oxides (as NO_2) emissions from the diesel engines shall be controlled by good engine design to include direct diesel injection, engine control module, turbocharger and charge air cooler.

   b. Sulfur Dioxide (SO_2) emissions from the diesel engines shall be controlled by the use of low sulfur diesel fuel with a sulfur content not to exceed 0.5%.

   c. Carbon Monoxide (CO) emissions from the diesel engines shall be controlled by good combustion practices.

   d. Volatile Organic Compounds (VOC) emissions from the diesel engines shall be controlled by good combustion practices.

   e. Visible emissions from the diesel engines shall be controlled by good operating practices.

   (9 VAC 5-80-1180 and 9 VAC 5-50-260)

3. **Monitoring Devices** – Each engine-generator set shall be equipped with a device to continuously measure engine operating hours and load.

   a. Each 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.

   b. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the engines are operating.

c. Each monitoring device shall record the data during the operation of each engine-generator set.
(9 VAC 5-80-1180 D)

4. **Monitoring Device Observation** – To ensure good performance, the engine monitoring device used to continuously measure operating hours and load shall be observed by the permittee during each test firing and at a frequency of not less than once per day during days in which the emergency generators (G-01 & G-02) are generator is called into service. The permittee shall keep a log of the observations from the monitoring device.
(9 VAC 5-80-1180 D)

OPERATING LIMITATIONS

5. **Operating Scenarios for Diesel Engine-Driven Electric Generating Units** -

a. Emergency / Critical Power Generation:

i. Emergency: The engine-generator sets (G-01 & G-02) may be operated in situations where immediate action on the part of the facility is needed due to a failure or loss of electrical power service resulting from a failure of the primary power provider and the failure or loss of power service is beyond the reasonable control of the facility. Operation under these circumstances shall be allowed for the period of time the primary electrical power provider service is unavailable.

ii. Critical Power Generation: The engine-generator sets (G-01 & G-02) may be operated in situations where immediate action on the part of the source is needed due to a loss or anticipated loss of acceptable electrical power service from the primary provider and the loss or anticipated loss of power service is beyond the reasonable control of the facility. Operation under these circumstances shall be allowed until such time as acceptable power provider service is restored or the loss of acceptable power provider service is no longer reasonably anticipated.

b. Alternate Power Generation: An engine-generator set may be operated voluntarily for the purposes of peak-shaving, demand response, or as part of an interruptible power supply arrangement with a power provider, other market participant, or system operator if the engine is equipped with a selective catalytic reduction system (SCR) that achieves the manufacturer's guaranteed maximum emission reductions based on fuel type. Prior to construction of the SCR unit, when changing from Emergency Power or Critical Power Generation to Alternate Power Generation, the permittee shall submit appropriate documentation to the

DEQ and receive DEQ approval for the change in the method of operation of the engine-generator set.

c. The engine-generator sets (G-01 & G-02) may be operated for periodic maintenance, testing, and operational training.

d. Total annual emissions shall not exceed the limits stated in Condition 11.
(9 VAC 5-80-1180 D)

6. **Hours of Operation** - The two (G-01 & G-02) diesel driven generator sets shall not operate more than 680 hours per year; combined, calculated monthly as the sum of each consecutive twelve-month period. Compliance for the consecutive twelve-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 eleven months.
(9 VAC 5-80-1180)

7. **Fuel** - The approved fuel for the engine-generator sets is low sulfur diesel fuel. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-1180)

8. **Fuel Specifications** - The diesel fuel oil shall meet the specifications below:

   a. Does not exceed the American Society for Testing and Materials (ASTM) specification, D975, for grade low sulfur No. 2-D or No. 2-D S500, or
   b. has a maximum sulfur content per shipment not to exceed 0.5% by weight (5000 ppm), and either a minimum cetane number of 40 or a maximum aromatic content of 35% by volume.

   (9 VAC 5-80-1180)

9. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of diesel fuel oil. Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier;
   b. The date on which the diesel fuel oil was received;
   c. The quantity of diesel fuel oil delivered in the shipment;
   d. A statement that the diesel fuel oil:
      1) Does not exceed the American Society for Testing and Materials (ASTM) specification, D975, for grade low sulfur No. 2-D, or

2) has a maximum sulfur content per shipment not to exceed 0.5% by weight (5000 ppm), and either a minimum cetane number of 40 or a maximum aromatic content of 35% by volume.

3) Alternatively, the permittee must obtain approval from the Regional Air Compliance Manager of the DEQ's NRO at the address referenced in Condition 13, if other documentation will be used to certify the diesel fuel oil type.

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)

EMISSION LIMITS

10. **Process Emission Limits** - Emissions from the operation of each diesel engine-generator sets (G-01 & G-02) shall not exceed the limits specified below:

PM-10	2.12 lbs/hr
Sulfur Dioxide (SO_2)	10.57 lbs/hr
Nitrogen Oxides (as NO_2)	58.64 lbs/hr
Carbon Monoxide (CO)	7.50 lbs/hr
Volatile Organic Compounds (VOC)	2.05 lbs/hr

(9 VAC 5-80-1180 and 9 VAC 5-50-260)

11. **Facility Wide Emission Limits** - Total emissions from the two diesel engine-generator sets (G-01 & G-02) combined shall not exceed the limits specified below:

PM-10	0.7 tons/yr
Sulfur Dioxide (SO_2)	3.6 tons/yr
Nitrogen Oxides (as NO_2)	19.9 tons/yr
Carbon Monoxide (CO)	2.6 tons/yr
Volatile Organic Compounds (VOC)	0.7 tons/yr

a. Compliance with the limits of this condition shall be determined by calculating the total monthly emissions of NOx (as NO_2) from the engine-generators in the following manner, and on a rolling basis as provided in Condition (11 b.) below:

NO_X Emissions (tons/month) =

{[(Total combined hours of operation of the G-01 & G-02 engine-generators for the month) x (hourly emission rate as designated in Condition 10)] / 2000.

b. Demonstrated compliance with this annual limit shall be calculated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding eleven months.

(9 VAC 5-80-1180 and 9 VAC 5-50-260)

12. **Visible Emission Limit** - Visible emissions from the engine-generator sets (G-01 & G-02) generators shall not exceed five percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed ten 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. Visible emissions during startup and shutdown from the engine-generators shall not exceed ten percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-80-1180, 9 VAC 5-50-260)

RECORDS

13. **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 Regional Air Compliance Manager of the DEQ's Northern Regional Office (NRO) at the following address:

Regional Air Compliance Manager
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193

These records shall include, but are not limited to:

a. Monthly/annual hours of operation of the G-01 & G-02 engine-generator sets. The annual hours of operation shall be determined monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding eleven months.

b. Monthly/annual hours of operation of the G-03 engine-generator set. The annual hours of operation shall be determined monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding eleven months. These records are to be maintained in order to

demonstrate continued exemption from permitting. Unit G-03 must not operate more than 500 hours per year to maintain the exempt status.

c. Monthly/annual emissions calculations for NO_2 from the engine-generator using the calculation methods in Condition 11a. & b. to verify compliance with the ton/yr emissions limitations in Condition 11.

d. Logs of monitoring device observation per Condition 4.

e. All fuel supplier certifications.

f. All VEE and emission testing reports.

g. Scheduled and unscheduled maintenance.

h. Operator training in accordance with Condition 23 d.

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)

INITIAL COMPLIANCE DETERMINATION

14. **Testing Verification Meeting - Completed** - The permittee shall arrange to meet with the Regional Air Compliance Manager of the DEQ's NRO at the address referenced in Condition 13 to discuss the stack testing requirements associated with this project. The meeting shall take place prior to the submittal of the final test protocol.

15. **Stack Test – Completed** - Initial performance tests shall be conducted for NO_2 from one of the Mitsubishi units (G-01 & G-02) using the emission compliance testing procedures outlined at 40 CFR 60, Appendix A.

The testing of the engine-generator setsets shall be conducted with the unit units operating at greater than 90% of rated capacity. The results of the testing shall be used in determining compliance.

The tests shall be performed to demonstrate compliance within sixty days after achieving the maximum operating rate at which the facility will operate but in no event later than 180 days after start-up of the permitted facility. Tests shall be conducted, reported, and the data reduced as set forth in 9 VAC 5-50-30. The details of the tests are to be arranged with the Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 13.

The permittee shall submit a test protocol at least thirty days prior to testing. Should conditions occur which would require rescheduling the testing, the permittee shall notify the Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 13 in writing, no less than seven days prior to the scheduled test date or as soon as the rescheduling is deemed necessary. In any case, the emissions testing shall be rescheduled within thirty days.

Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests.

Two copies of the test result shall be submitted to the Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 13 within sixty days after test completion, and shall conform to the test report format enclosed with this permit.
(9 VAC 5-50-30, 9 VAC 5-80-1200)

16. **Initial Visible Emissions Evaluation – Completed** - Visible Emission Evaluations (VEE) in accordance with 40 CFR Part 60, Appendix A, Method 9, shall be conducted by the permittee on the Mitsubishi unit not selected for initial compliance testing in Condition 15. Each test shall consist of thirty sets of twenty four consecutive observations (at fifteen second intervals) to yield a six minute average. The details of the tests are to be arranged with the Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 13.

The permittee shall submit a test protocol at least thirty days prior to testing. The evaluation shall be performed within sixty days after achieving the maximum operating rate at which the facility will be operated but in no event later than 180 days after start-up of the permitted facility. Should conditions occur which would require rescheduling the testing, the permittee shall notified the Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 13 in writing, within seven days of the scheduled test date or as soon as the rescheduling is deemed necessary. In any case the visible emissions testing shall be rescheduled within thirty days. Rescheduled testing shall be conducted under the same conditions (as possible) as the initial performance tests.

Two copies of the test result shall be submitted to the Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 13 within sixty days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-50-30, 9 VAC 5-80-1200)

17. **Emissions Testing** - The two diesel engine-generator sets (G-01 & G-02) shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. This includes constructing the facility/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 and safe sampling platforms.
(9 VAC 5-50-30 F and 9 VAC 5-80-1180)

NOTIFICATIONS

18. **Initial Notifications – Completed** - The permittee shall furnish written notification to the Regional Air Compliance Manager of the DEQ's NRO (at the address referenced in Condition 13) of:

    a. The actual date on which construction of the diesel engine-generator sets (G-01 & G-02) commenced within thirty days after such date.

    b. The anticipated start-up date of the diesel engine-generator sets (G-01 & G-02) postmarked not more than sixty days nor less than thirty days prior to such date.

    c. The actual start-up date of the diesel engine-generator sets (G-01 & G-02) within fifteen days after such date.

    d. The anticipated date of performance tests of the diesel engine-generator sets postmarked at least thirty days prior to such date.

    (9 VAC 5-50-50 and 9 VAC 5-80-1180)

GENERAL CONDITIONS

19. **Certification of Documents**

    A. The following documents submitted to the Board shall be signed by a responsible official: (i) any emission statement, application, form, report, or compliance certification; (ii) any document required to be signed by any provision of the regulations of the Board; or (iii) any other document containing emissions data or compliance information the owner wishes the Board to consider in the administration of its air quality programs. A responsible official is defined as follows:

        1) For a business entity, such as a corporation, association or cooperative, a responsible official is either:

            a. The president, secretary, treasurer, or a vice president of the business entity in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the business entity; or

            b. A duly authorized representative of such business entity if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either (i) the facilities employ more than 250 persons or have gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars) or (ii) the authority to sign documents has been assigned or delegated to

such representative in accordance with procedures of the business entity.

c. For a partnership or sole proprietorship, a responsible official is a general partner or the proprietor, respectively.

d. For a municipality, state, federal, or other public agency, a responsible official is either a principal executive officer or ranking elected official. A principal executive officer of a federal agency includes the chief executive officer having responsibility for the overall operations of the principal geographic unit of the agency.

B. Any person signing a document under subsection A. above shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

C. Subsection B. shall be interpreted to mean that the signer must have some form of direction or supervision over the persons gathering the data and preparing the document (the preparers), although the signer need not personally nor directly supervise these activities. The signer need not be in the same line of authority as the preparers, nor do the persons gathering the data and preparing the form need to be employees (e.g., outside contractors can be used). It is sufficient that the signer has authority to assure that the necessary actions are taken to prepare a complete and accurate document.

D. Any person who fails to submit any relevant facts or who has submitted incorrect information in a document shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.

(9 VAC 5-20-230)

20. **Permit Invalidation** – This permit to construct the two diesel engine-generator sets (G-01 & G-02) shall become invalid, unless an extension is granted by the DEQ, if:

a. A program of continuous construction , reconstruction, or modification is not commenced within the latest of the following:
   i. eighteen months from the date of this permit;
   ii. Nine months from the date that the last permit or other authorization was issued from any other governmental entity;
   iii. Nine months from the date of the last resolution of any litigation concerning any such permits or authorization; or

b. A program of construction, reconstruction, or modification is discontinued for a period of eighteen months or more, or is not completed within a reasonable time, except for a DEQ approved period between phases of a phased construction project.

(9 VAC 5-80-1210)

21. **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 an emissions unit, included in this permit;

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 emission limitations, in the State Implementation Plan in effect at the time an application for this permit is submitted.

(9 VAC 5-80-1210 F)

22. **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)

23. **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)

24. **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.
    (9VAC 5-20-180 J and 9 VAC 5-80-1180 D)

25. **Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 13 of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but 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 two weeks 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 Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 13.
(9 VAC 5-20-180 C and 9 VAC 5-80-1180)

26. **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)

27. **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 Regional Air Compliance Manager of the DEQ's NRO at the address listed in Condition 13 of the change of ownership within thirty days of the transfer.
(9 VAC 5-80-1240)

28. **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