



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

### TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard, Virginia Beach, Virginia 23462

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[www.deq.virginia.gov](http://www.deq.virginia.gov)

Molly Joseph Ward  
Secretary of Natural Resources

David K. Paylor  
Director

Maria R. Nold  
Regional Director

November 13, 2014

Mr. Steven R. Bulleigh  
Assistant Environmental Manager  
BAE Systems Norfolk Ship Repair Inc.  
750 West Berkley Avenue  
Norfolk, Virginia 23523

Location: Norfolk  
**Registration No.: 60246**  
AFS Id. No.: 51-710-00006

Dear Mr. Bulleigh:

Attached is a permit to operate your BAE Systems – Norfolk Ship Repair Facility pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution. This permit incorporates provisions from the permits dated December 16, 1981, October 16, 1997, January 6, 2000, May 7, 2001, September 24, 2007, and May 22, 2014.

The permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In evaluating the application and arriving at a final decision to issue this permit, the Department deemed the application complete on May 22, 2014 and solicited written public comments by placing a newspaper advertisement in the Virginian-Pilot newspaper on Tuesday, September 9, 2014. The thirty day comment period (provided for in 9 VAC 5-80-270) expired on Thursday, October 9, 2014, with no comments having been received in this office.

This approval to operate does not relieve BAE Systems – Norfolk Ship Repair Facility of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9 VAC 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 permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

Mr. Steven R. Bulleigh  
BAE Systems Norfolk Ship Repair Inc.  
November 13, 2014  
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Additionally, 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 to court by filing a Notice of Appeal with:

David K. Paylor, Director  
Department of Environmental Quality  
PO Box 1105  
Richmond, VA 23218-1105

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Rule 2A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please contact Cindy Keltner by phone at (757) 518-2167 or by email at [cindy.keltner@deq.virginia.gov](mailto:cindy.keltner@deq.virginia.gov).

Sincerely,

Troy D. Breathwaite  
Regional Air Permits Manager

TDB/CLK/60246\_014\_14\_T5sigamdmmod\_cvrltr\_BAE Systems.docx

Attachment: Permit

cc: Manager, Data Analysis (electronic file submission)  
Manager/Inspector, Air Compliance  
Chief, Air Enforcement Branch (3AP13), U.S. EPA, Region III (electronic file submission)



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### Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated, or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300, of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

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

Permittee Name:	BAE Systems Norfolk Ship Repair Inc.
Facility Name:	BAE Systems Norfolk Ship Repair Inc.
Facility Location:	750 West Berkley Avenue Norfolk, Virginia 23523
Registration Number:	60246
Permit Number:	TRO60246

This permit includes the following programs:

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

**September 24, 2012**

Effective Date

**November 13, 2014**

Modified Date

**September 23, 2017**

Expiration Date

**November 13, 2014**

Signature Date

Maria R. Nold

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## **I. Facility Information**

### **Permittee**

BAE Systems Norfolk Ship Repair Inc.  
750 West Berkley Avenue  
Norfolk, Virginia 23523

### **Responsible Official**

Dave Thomas  
Vice President and General Manager

### **Facility**

BAE Systems Norfolk Ship Repair Inc.  
750 West Berkley Avenue  
Norfolk, Virginia 23523

### **Contact Person**

Michael Ewing  
Environmental Manager  
(757) 494-4663

**County-Plant Identification Number:** 51-710-00006

**Facility Description:** NAICS 336611 - Shipbuilding and Repairing. This facility provides comprehensive services for the repair and maintenance of marine vessels and their subsystems. Marine vessels may be worked in dry dock or along piers. Each ship repair is customized to the specific needs of the customer and may range from a simple repair to a comprehensive overhaul. Onsite support shops are available for all aspects of ship repair and maintenance and include electrical, hydraulic, engine, carpentry, machine, structural, and painting. The facility can provide electricity, steam, and compressed air to work crews as well as the ship while in dry dock.

The facility is a Title V major source of Hazardous Air Pollutants. This source is located in an attainment area for all pollutants. The facility is permitted under minor new source review permits issued on December 16, 1981, October 16, 1997, January 6, 2000, May 7, 2001, and May 22, 2014.

## II. Emission Units

Equipment to be operated consists of:

Emission Unit Id.	Stack Id.	Emission Unit Description	Size/Rated Capacity	Pollution Control Device (PCD) Description and ID	Pollutant Controlled	Applicable Permit Date
003	2	Keeler, industrial boiler, residual No. 6 oil and slop oil (manufactured pre-1961)	32 mm Btu/hr	N/A	N/A	N/A
007-A	6	Stone Johnson, industrial boiler, No. 1 or 2 fuel oil (manufactured 1985)	20 mm Btu/hr	N/A	N/A	October 16, 1997
007-B	6	Stone Johnson, industrial boiler, natural gas (manufactured 1985)	20 mm Btu/hr	N/A	N/A	October 16, 1997
009-A	7	Stone Johnson, industrial boiler, No. 1 or 2 fuel oil (manufactured 1987)	31.5 mm Btu/hr	N/A	N/A	May 7, 2001
009-B	7	Stone Johnson, industrial boiler, natural gas (manufactured 1987)	31.5 mm Btu/hr	N/A	N/A	May 7, 2001
010-A	8	Cleaver Brooks, industrial boiler, No. 1 or 2 fuel oil (manufactured 1974)	33.4 mm Btu/hr	N/A	N/A	January 6, 2000
010-B	8	Cleaver Brooks, industrial boiler, natural gas (manufactured 1974)	33.4 mm Btu/hr	N/A	N/A	January 6, 2000
006	5	Painting (surface coating using airless sprayers) (pre-1972)		N/A	N/A	N/A
020	N/A	Abrasive blasting, surface preparation (pre-1972)		N/A	N/A	N/A
022	11	Carpenter shop, sawmill and woodworking (pre-1972)		Cyclone (C1)	PM, PM10	N/A
024	13	Shot blast cabinet (inside paint shop)	200 lb steel shot per hour	Baghouse (B1)	PM, PM10	N/A
023	12	Loading rack, slop oil	300 gallons per hour	N/A	N/A	N/A

TEG1		Titan Emergency Diesel Generator #1	970 kw/1,300 hp	N/A	N/A	N/A
ODEG1		Old Dominion Emergency generator #1	300 kW	N/A	N/A	N/A
ODEG2		MTU Emergency No. 2 fuel Generator	720 kw/965 hp	N/A	N/A	N/A
FEG2		Facility Emergency Generator #2	750 kw/1,005 hp	N/A	N/A	N/A
FEG3		Facility Emergency Generator #3	750 kw/1,005 hp	N/A	N/A	N/A
G6G		CAT, Brushless Generator for Portal Crane, 3406C	298 kW/400 hp	N/A	N/A	May 22, 2014
G6EG		CAT, Brushless Generator for Portal Crane, 3304	72 kW/97 hp	N/A	N/A	May 22, 2014

\*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

### III. Fuel Burning Equipment Requirements – (emission unit ID# 003)

#### A. Limitations

1. **Fuel Burning Equipment Requirements – (emission unit ID #003) - Limitations** - Emissions from the operation of the boiler (emission unit ID #003) shall not exceed the limits specified below:

Particulate Emissions                      12.8 lbs/hr

The emission ratio in lbs/million Btu input shall be determined by the following equation:  $E = 1.0906H - 0.2594$ , where H is the total capacity in millions of Btu/hr. The emission rate in lbs/hr shall be the product of the emission unit rated capacity and the emission ratio.  
(9 VAC 5-40-900 A, 9 VAC 5-40-900 B, and 9 VAC 5-80-110)

2. **Fuel Burning Equipment Requirements – (emission unit ID #003) - Limitations** - Emissions from the fuel burning equipment installation (Emission Unit ID #003) shall not exceed the following limit:

Sulfur Dioxide Emissions                      84.5 lbs/hr

The emission rate in lbs/hr shall be determined by the following equation:  $S = 2.64K$ , where S = allowable emission of sulfur dioxide expressed in pounds per hour, and K = heat input at total capacity expressed in million Btu per hour.  
(9 VAC 5-40-930 A and 9 VAC 5-80-110)

3. **Fuel Burning Equipment Requirements – (emission unit ID #003) - Limitations** - Visible emissions from the boiler (Emission Unit 003) stack shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9 VAC 5-40-20 A.2, 9 VAC 5-40-940, and 9 VAC 5-80-110)
4. **Fuel Burning Equipment Requirements – (emission unit ID #003) - Limitations** - At all times, including periods of startup, shutdown, soot blowing and malfunction, the boilers and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-40-20 E and 9 VAC 5-80-110)

#### B. Recordkeeping

5. **Fuel Burning Equipment Requirements – (emission unit ID #003) - Recordkeeping** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:
  - a. The type of fuel combusted in the boiler (Emission Unit 003);
  - b. Records of visual evaluations, visible emissions evaluations and any corrective action taken (as required by Condition 97); and

- c. All emission calculations relied on by the permittee to demonstrate compliance with the emission limits set forth in this permit, including DEQ-approved, pollutant-specific emission factors, equations, and assumptions used.

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

(9 VAC 5-80-110)

#### IV. Fuel Burning Equipment Requirements – (emission unit ID #007)

##### A. Limitations

6. **Fuel Burning Equipment Requirements – (emission unit ID #007) – Limitations** - The Stone Johnson boiler (Emission Unit 007) shall consume no more than 150 million cubic feet of natural gas, and 720,000 gallons of distillate oil per year, each calculated monthly as the sum of each consecutive 12 month period. (9 VAC 5-80-110 and Condition 3 of NSR/NSPS permit issued October 16, 1997)
7. **Fuel Burning Equipment Requirements – (emission unit ID #007) – Limitations** - Emissions from the operation of the Stone Johnson boiler (Emission Unit 007) shall not exceed the limits specified below:

Particulate Matter	0.3 lbs/hr	1.2 tons/yr
PM10	0.3 lbs/hr	1.2 tons/yr
Sulfur Dioxide	10.3 lbs/hr	25.6 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	2.9 lbs/hr	17.7 tons/yr
Carbon Monoxide	0.7 lbs/hr	4.4 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 6, 8, 9, and 10 of this section.

(9 VAC 5-80-110 and Condition 5 of NSR/NSPS permit issued October 16, 1997)

8. **Fuel Burning Equipment Requirements – (emission unit ID #007) – Limitations** - Visible emissions from the Stone Johnson boiler (Emission Unit 007) shall not exceed ten (10) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity, as determined by EPA Method 9. This condition applies at all times except during start-up, shutdown, or malfunction.  
(9 VAC 5-80-110 and Condition 6 of NSR/NSPS permit issued October 16, 1997)
9. **Fuel Burning Equipment Requirements – (emission unit ID #007) – Limitations** - The approved fuels for the Stone Johnson boiler (Emission Unit 007) are natural gas and distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials, ASTM D396 "Standard Specification for Fuel Oils". A change in the fuels may require a permit to modify and operate.  
(9 VAC 5-80-110 and Condition 8 of NSR/NSPS permit issued October 16, 1997)
10. **Fuel Burning Equipment Requirements – (emission unit ID #007) – Limitations** - The maximum sulfur content of the oil to be burned in the Stone Johnson boiler (Emission Unit 007) shall not exceed 0.5 percent by weight per shipment. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
- The name of the fuel supplier,
  - The date on which the oil was received,
  - The volume of distillate oil delivered in the shipment, and

d. A statement that the oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2 (ASTM D396).  
(9 VAC 5-80-110, 40 CFR 60.42c(d), 40 CFR 60.48c(f), and Condition 9 of NSR/NSPS permit issued October 16, 1997)

11. **Fuel Burning Equipment Requirements – (emission unit ID #007) – Limitations** - Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept at the facility and made available for inspection by DEQ.  
(9 VAC 5-80-110 and Condition 10 of NSR/NSPS permit issued October 16, 1997)
12. **Fuel Burning Equipment Requirements – (emission unit ID #007) – Limitations** - At all times, including periods of startup, shutdown, and malfunction, owners shall maintain and operate the boiler in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

## **B. Recordkeeping**

13. **Fuel Burning Equipment Requirements – (emission unit ID #007) - Recordkeeping** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:
  - a. The monthly throughput of natural gas, and the daily throughput of distillate oil.
  - b. All fuel supplier certifications.
  - c. Records of visual evaluations, visible emissions evaluations and any corrective action taken (as required by Condition 97).
  - d. All emission calculations relied on by the permittee to demonstrate compliance with the emission limits set forth in this permit, including DEQ-approved, pollutant-specific emission factors, equations, and assumptions used.
  - e. Boiler operator training records.
  - f. Boiler operational maintenance records.

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

(9 VAC 5-80-110 and Condition 12 of NSR/NSPS permit issued October 16, 1997)

### C. Reporting

14. **Fuel Burning Equipment Requirements – (emission unit ID #007) - Reporting** - The permittee shall submit fuel quality reports to the Director, Tidewater Regional Office within 30 days after the end of each semi-annual period. If no shipments of distillate oil were received during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-annual period and a statement that no oil was received during the semi-annual period. If distillate oil was received during the semi-annual period the reports shall include:
- a. The dates included in the semi-annual period,
  - b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the semi-annual period or a semi-annual summary from each fuel supplier that includes the information specified in Condition 10 of this section for each shipment of distillate oil, and
  - c. A signed statement from the owner or operator of the facility that the fuel supplier certifications represent all of the distillate oil burned or received at the facility.
- (9 VAC 5-80-110, 40 CFR 60.48c(f), and Condition 13 of NSR/NSPS permit issued October 16, 1997)

## V. Fuel Burning Equipment Requirements – (emission unit ID #009)

### A. Limitations

15. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Limitations** - The approved fuels for the Johnson boiler are distillate oil and natural gas. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-110 and Condition 3 of NSR permit issued May 7, 2001)
16. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Limitations** - The Johnson boiler shall consume no more than 330,000 gallons of distillate oil and 275 x 106 cubic feet of natural gas per year, each calculated monthly as the sum of each consecutive 12 month period.  
(9 VAC 5-80-110 and Condition 4 of NSR permit issued May 7, 2001)
17. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Limitations** - The distillate oil shall meet the specifications below:  
  
DISTILLATE OIL which meets ASTM specifications for numbers 1 or 2 fuel oil:  
Maximum sulfur content per shipment: 0.5%  
  
(9 VAC 5-80-110 and Condition 5 of NSR permit issued May 7, 2001)
18. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Limitations** - The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
  - a. The name of the fuel supplier;
  - b. The date on which the distillate oil was received;
  - c. The volume of distillate oil delivered in the shipment; and,
  - d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications for numbers 1 or 2 fuel oil.(9 VAC 5-80-110 and Condition 6 of NSR permit issued May 7, 2001)
19. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Limitations** - Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept at the facility and made available for inspection by the DEQ.  
(9 VAC 5-80-110 and Condition 7 of NSR permit issued May 7, 2001)

20. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Limitations** - Emissions from the operation of the Johnson boiler shall not exceed the limits specified below:

Particulate Matter	0.5 lbs/hr	1.4 tons/yr
PM-10	0.5 lbs/hr	1.2 tons/yr
Sulfur Dioxide	16.2 lbs/hr	11.8 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	4.6 lbs/hr	17.1 tons/yr
Carbon Monoxide	2.6 lbs/hr	12.4 tons/yr
Volatile Organic Compounds	0.2 lbs/hr	0.8 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 16, 17, and 21 of this section.

(9 VAC 5-80-110 and Condition 8 of NSR permit issued May 7, 2001)

21. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Limitations** - Visible emissions from the Johnson boiler shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-50-20 A.3., 9 VAC 5-80-110, and Condition 9 of NSR permit issued May 7, 2001)
22. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Limitations** - At all times, including periods of startup, shutdown and malfunction, the permittee shall maintain and operate the boiler in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

## B. Monitoring

23. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Monitoring** - The Johnson boiler (Emission Unit 009) shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested at the boiler stack.  
(9 VAC 5-80-110 and Condition 11 of NSR permit issued May 7, 2001)

## C. Recordkeeping

24. **Fuel Burning Equipment Requirements – (emission unit ID #009) - Recordkeeping** - 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 Tidewater Regional Office. These records shall include, but are not limited to:
- Annual throughput of natural gas and distillate oil, each calculated monthly as the sum of each consecutive 12-month period.
  - All fuel supplier certifications.

- c. Records of required boiler operator training, including a statement of time, place and nature of training provided.
- d. Records of visual evaluations, visible emissions evaluations and any corrective action taken (as required by Condition 97.).
- e. All emission calculations relied on by the permittee to demonstrate compliance with the emission limits set forth in this permit, including DEQ-approved, pollutant-specific emission factors, equations, and assumptions used.
- f. Boiler operator training records.
- g. Boiler operational maintenance records.

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

(9 VAC 5-80-110 and Conditions 7 and 10 of NSR permit issued May 7, 2001)

## **VI. Fuel Burning Equipment Requirements – (emission unit ID #010)**

### **A. Limitations**

25. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Limitations** - The approved fuels for the Cleaver Brooks boiler (Emission Unit 010) are natural gas and distillate oil. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-110 and Condition 3 of NSR permit issued January 6, 2000)
26. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Limitations** - The Cleaver Brooks boiler (Emission Unit 010) shall consume no more than 600,000 gallons of distillate oil and  $241.2 \times 10^6$  cubic feet of natural gas per year, each calculated monthly as the sum of each consecutive 12 month period.  
(9 VAC 5-80-110 and Condition 4 of NSR permit issued January 6, 2000)
27. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Limitations** - The distillate oil shall meet the specifications below:
- DISTILLATE OIL which meets ASTM D396-78 specifications for numbers 1 or 2 fuel oil  
Maximum sulfur content per shipment: 0.5%
- (9 VAC 5-80-110 and Condition 5 of NSR permit issued January 6, 2000)
28. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Limitations** - The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
- The name of the fuel supplier;
  - The date on which the distillate oil was received;
  - The volume of distillate oil delivered in the shipment; and,
  - A statement that the distillate oil complies with the American Society for Testing and Materials specifications for numbers 1 or 2 fuel oil.
- (9 VAC 5-80-110 and Condition 6 of NSR permit issued January 6, 2000)
29. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Limitations** - Boiler emissions shall be controlled by proper operation and maintenance of combustion equipment. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept at the facility and made available for inspection by the DEQ.  
(9 VAC 5-80-110 and Condition 7 of NSR permit issued January 6, 2000)

30. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Limitations** - Emissions from the operation of the Cleaver Brooks boiler (Emission Unit 010) shall not exceed the limits specified below:

Particulate Matter	0.5 lbs/hr	1.5 tons/yr
PM-10	0.3 lbs/hr	1.2 tons/yr
Sulfur Dioxide	17.0 lbs/hr	21.4 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	4.8 lbs/hr	18.1 tons/yr
Carbon Monoxide	2.8 lbs/hr	11.6 tons/yr
Volatile Organic Compounds	0.2 lbs/hr	0.7 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers 25, 26, 27, and 31.

(9 VAC 5-80-110 and Condition 8 of NSR permit issued January 6, 2000)

31. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Limitations** - Visible emissions from the boiler shall not exceed ten (10) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed twenty (20) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.  
(9 VAC 5-50-20 A, 9 VAC 5-80-110, and Condition 9 of NSR permit issued January 6, 2000)
32. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Limitations** - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment, monitoring devices, and process equipment which affect such emissions:
- Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
  - Maintain an inventory of spare parts.
  - Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
  - Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. 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 at the facility for a period of five years and shall be made available to DEQ personnel upon request.
- (9 VAC 5-80-110 and Condition 19 of NSR permit issued January 6, 2000)
33. **Fuel Burning Equipment Requirements – (emission unit ID# 010) - Limitations** - At all times, including periods of startup, shutdown and malfunction, the permittee shall maintain and operate the boiler in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-50-20 E and 9 VAC 5-80-110)

## B. Monitoring

34. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Monitoring** - The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested in accordance with the applicable performance specification (reference 40 CFR part 60, Appendix B).  
(9 VAC 5-80-110 and Condition 13 of NSR permit issued January 6, 2000)

## C. Recordkeeping

35. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Recordkeeping** - 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 Director, Tidewater Regional Office. These records shall include, but are not limited to:
- Monthly and annual throughput of natural gas and distillate oil. Annual throughput shall be calculated monthly as the sum of each consecutive 12-month period.
  - All fuel supplier certifications.
  - Records of the required boiler operator training, including a statement of time, place and nature of training provided.
  - Records of visual evaluations, visible emissions evaluations and any corrective action taken (as required by Condition 97.).
  - All emission calculations relied on by the permittee to demonstrate compliance with the emission limits set forth in this permit, including DEQ-approved, pollutant-specific emission factors, equations, and assumptions used.
  - Boiler operator training records.
  - Boiler operational maintenance records.

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

(9 VAC 5-80-110 and Condition 11 of NSR permit issued January 6, 2000)

## D. Reporting

36. **Fuel Burning Equipment Requirements – (emission unit ID #010) - Reporting** - The permittee shall submit fuel quality reports to the Director, Tidewater Regional Office within 30 days after the end of each semi-annual period. If no shipments of distillate oil were received during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-annual period and a statement that no oil was received during the semi-annual period. If distillate oil was received during the semi-annual period, the reports shall include:
- Dates included in the semi-annual period,

- b. A copy of all fuel supplier certifications for all shipments of distillate oil received during the semi-annual period or a semi-annual summary from each fuel supplier that includes the information specified in Condition 28 of this section for each shipment of distillate oil, and
- c. A signed statement from the owner or operator of the facility that the fuel supplier certifications or summaries of fuel supplier certifications represent all of the distillate oil burned or received at the facility.

One copy of the semi-annual report shall be submitted to the U.S. Environmental Protection Agency at the following address:

Associate Director  
Office of Air Enforcement (3AP10)  
U.S. Environmental Protection Agency  
Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

(9 VAC 5-80-110 and Condition 12 of NSR permit issued January 6, 2000)

## VII. Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, G6EG, and G6G)

### A. Limitations

37. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, and G6EG) – Limitations** - Visible emissions from the emergency generators (Emission Units TEG1, ODEG1, ODEG2, FEG2, and FEG3) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9 VAC 5-50-80 and 9 VAC 5-80-110)
38. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, G6G, and G6EG) – Limitations** - At all times, including periods of startup, shutdown and malfunction, the emergency generators shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-50-20 E and 9 VAC 5-80-110)
39. **Fuel Burning Equipment Requirements – (emission unit ID# G6G) – Limitations** - The engine-generator set (Ref. Nos. G6G) shall not operate more than 5840 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 VAC 5-50-20 E, 9 VAC 5-80-110, and Condition 6 of 5/22/14 permit)
40. **Fuel Burning Equipment Requirements – (emission unit ID # G6G) – Limitations** - Visible emissions from the engine-generator set exhaust (Ref. No. G6G) shall not exceed 5% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.  
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 16 of 5/22/14 permit)
41. **Fuel Burning Equipment Requirements – (emission unit ID # G6G) – Limitations** - The approved fuel for the non-emergency generator (Ref. No. G6G) is distillate oil. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-50-20 E, 9 VAC 5-80-110, and Condition 7 of 5/22/14 permit)
42. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, G6G, and G6EG) – Limitations** - The distillate oil shall meet the specifications below:
- DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:  
Maximum sulfur content per shipment: 0.5 %
- DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil for the non-emergency generator (Ref. No. G6G):  
Maximum sulfur content per shipment: 0.0015%
- (9 VAC 5-50-20 E, 9 VAC 5-80-110, and Condition 10 of 5/22/14 permit)

43. **Fuel Burning Equipment Requirements – (emission unit ID # G6G) – Limitations** - Total emissions from the non-emergency generator (Ref. No. G6G) shall not exceed the limits specified below:

Particulate Matter (PM)	0.9 lbs/hr	2.6 tons/yr
PM-10	0.9 lbs/hr	2.6 tons/yr
PM <sub>2.5</sub>	0.9 lbs/hr	2.6 tons/yr
Sulfur Dioxide	0.8 lbs/hr	2.4 tons/yr
Nitrogen Oxides(as NO <sub>2</sub> )	12.4 lbs/hr	36.2 tons/yr
Carbon Monoxide	2.8 lbs/hr	8.1 tons/yr
Volatile Organic Compounds	1.0 lbs/hr	2.9 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 38, 39, 40, 41, and 42.

(9 VAC 5-50-20 E, 9 VAC 5-80-110, and Condition 14 of 5/22/14 permit)

44. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, and FEG3) – MACT, Subpart ZZZZ - Limitations** - Beginning January 1, 2015, if you own or operate an existing emergency compression ignition (CI) stationary reciprocation internal combustion engines (RICE) with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in § 63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.  
 (9 VAC 5-80-110 and 40 CFR § 63.6604)
45. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Limitations** - If you own or operate an existing non-emergency, non-black start CI stationary RICE with a site rating of more than 300 brake HP with a displacement of less than 30 liters per cylinder that uses diesel fuel, you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel.  
 (9 VAC 5-80-110 and 40 CFR § 63.6604(a))
46. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, and G6EG) – MACT, Subpart ZZZZ - Limitations** - You must demonstrate continuous compliance with each emission limitation and operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to MACT, Subpart ZZZZ that apply to you according to methods specified in Table 6 to this subpart.  
 (9 VAC 5-80-110 and 40 CFR § 63.6640)

47. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, G6EG) – MACT, Subpart ZZZZ - Limitations** - If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of § 63.6640. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in nonemergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of § 63.6640, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of § 63.6640, the engine will not be considered an emergency engine under this subpart and must meet all requirements for nonemergency engines.
- a. There is no time limit on the use of emergency stationary RICE in emergency situations.
  - b. You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of § 63.6640 for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of § 63.6640 counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).
    - i. Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.
    - ii. Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see § 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP- 002-3.
    - iii. Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.
  - c. Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in nonemergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of § 63.6640. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
- (9 VAC 5-80-110 and 40 CFR § 63.6640)

48. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Limitations** – For the non-emergency engine (Emission unit ID# G6G), the permittee must meet the following requirement, except during periods of startup:
- Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd or less at 15 percent O<sub>2</sub>; or
  - Reduce CO emissions by 70 percent or more.
- (9 VAC 5-80-110 and 40 CFR § 63.6602)

## **B. Monitoring**

49. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, G6EG, and G6G) - Monitoring** - Each engine-generator set 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 per month 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 sets are operating.  
(9 VAC 5-50-20 E, 9 VAC 5-80-110, and Condition 4 of 5/22/14 permit)
50. **Fuel Burning Equipment Requirements – (emission unit ID # ODEG1and G6EG) – MACT ZZZZ - Monitoring** - If you own or operate any existing emergency stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.  
(9 VAC 5-80-110 and 40 CFR § 63.6625)
51. **Fuel Burning Equipment Requirements – (emission unit ID #ODEG1 and G6EG) – MACT ZZZZ - Monitoring** - If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.  
(9 VAC 5-80-110 and 40 CFR § 63.6625)
52. **Fuel Burning Equipment Requirements – (emission unit ID #ODEG1, G6G and G6EG) – MACT ZZZZ - Monitoring** - If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to MACT, Subpart ZZZZ apply.  
(9 VAC 5-80-110 and 40 CFR § 63.6625)

53. **Fuel Burning Equipment Requirements – (emission unit ID #ODEG1, and G6EG) – MACT ZZZZ - Monitoring** - If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to MACT, Subpart ZZZZ, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to MACT, Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters:
- a. Total Base Number, viscosity, and percent water content.
  - b. The condemning limits for these parameters are as follows:
    - i. Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or
    - ii. Percent water content (by volume) is greater than 0.5.
  - c. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.  
(9 VAC 5-80-110 and 40 CFR § 63.6625)
54. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT ZZZZ - Monitoring** - If you own or operate an existing non-emergency, non-black start CI engine greater than or equal to 300 HP that is not equipped with a closed crankcase ventilation system, you must comply with either paragraph a or paragraph b of this section. Owners and operators must follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements. Existing CI engines located at area sources in areas of Alaska that meet either § 63.6603(b)(1) or § 63.6603(b)(2) do not have to meet the requirements of this paragraph (g). Existing CI engines located on offshore vessels that meet § 63.6603(c) do not have to meet the requirements of this paragraph (g).
- a. Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or
  - b. Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals.  
(9 VAC 5-80-110 and 40 CFR § 63.6625)

### C. Recordkeeping

55. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, G6G, and G6EG) - Recordkeeping** -The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil. Each fuel supplier certification shall include the following:
- a. The name of the fuel supplier,

- b. The date on which the oil was received,
- c. The volume of distillate oil delivered in the shipment,
- d. A statement that the oil complies with the American Society for Testing and Materials specifications for fuel oil numbers 1 and 2, and
- e. The sulfur content of the oil.

(9 VAC 5-50-410, 9 VAC 5-80-110 and Condition 11 of 5/22/14 Permit)

56. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, G6G, and G6EG) - Recordkeeping** - 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 Director, Tidewater Regional Office. These records shall include, but are not limited to:
- a. Annual hours of operation of each engine-generator set, 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. All fuel supplier certifications.

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

(9 VAC 5-50-50 and 9 VAC 5-80-110)

57. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, G6G, and G6EG) – MACT ZZZZ – Recordkeeping** - You must keep the records required in Table 6 of MACT, Subpart ZZZZ to show continuous compliance with each emission or operating limitation that applies to you.

(9 VAC 5-80-110 and 40 CFR § 63.6655)

58. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, and G6EG) – MACT ZZZZ – Recordkeeping** - You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate an existing stationary emergency RICE.

(9 VAC 5-80-110 and 40 CFR § 63.6655)

59. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, and G6EG) – MACT ZZZZ – Recordkeeping** - If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of § 63.6655, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in § 63.6640(f)(2)(ii) or (iii) or § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

- a. An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(9 VAC 5-80-110 and 40 CFR § 63.6655)

60. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, and G6EG) – MACT ZZZZ – Recordkeeping** - If you own or operate an emergency stationary RICE with a site rating of more than 100 brake HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in § 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in § 63.6640(f)(4)(ii), you must submit an annual report according to the requirements in paragraphs a through c of this section.

- a. The report must contain the following information:
  - i. Company name and address where the engine is located.
  - ii. Date of the report and beginning and ending dates of the reporting period.
  - iii. Engine site rating and model year.
  - iv. Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
  - v. Hours operated for the purposes specified in § 63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in §63.6640(f)(2)(ii) and (iii).
  - vi. Number of hours the engine is contractually obligated to be available for the purposes specified in § 63.6640(f)(2)(ii) and (iii).
  - vii. Hours spent for operation for the purpose specified in § 63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in § 63.6640(f)(4)(ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.
  - viii. If there were no deviations from the fuel requirements in § 63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.
  - ix. If there were deviations from the fuel requirements in § 63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.
- b. The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.
- c. The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.epa.gov/cdx](http://www.epa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 63.13.

(9 VAC 5-80-110 and 40 CFR § 63.6650)

#### D. Testing

61. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, and FEG3, -Testing** - The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.  
(9 VAC 5-50-30 and 9 VAC 5-80-110)
62. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) -Testing** - If you own or operate an existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing stationary RICE located at an area source of HAP emissions you are subject to the following requirements:
- a. You must conduct any initial performance test or other initial compliance demonstration according to Tables 4 and 5 to this subpart that apply to you within 180 days after the compliance date that is specified for your stationary RICE in §63.6595 and according to the provisions in §63.7(a)(2).
  - b. An owner or operator is not required to conduct an initial performance test on a unit for which a performance test has been previously conducted, but the test must meet all of the conditions described in paragraphs b.i through iv of this section.
    - i. The test must have been conducted using the same methods specified in this subpart, and these methods must have been followed correctly.
    - ii. The test must not be older than 2 years.
    - iii. The test must be reviewed and accepted by the Administrator.
    - iv. Either no process or equipment changes must have been made since the test was performed, or the owner or operator must be able to demonstrate that the results of the performance test, with or without adjustments, reliably demonstrate compliance despite process or equipment changes.  
(9 VAC 5-80-110 and 40 CFR § 63.6612)

#### E. Reporting

63. **Fuel Burning Equipment Requirements – (emission unit ID # ODEG1, G6G, and G6EG) – MACT, Subpart ZZZZ - Reporting** - You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to MACT, Subpart ZZZZ that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650. If you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE.  
(9 VAC 5-80-110 and 40 CFR § 63.6640)

64. **Fuel Burning Equipment Requirements – (emission unit ID # ODEG1, ODEG2, G6G, and G6EG) – MACT, Subpart ZZZZ - Reporting** - You must also report each instance in which you did not meet the requirements in Table 8 to MACT, Subpart ZZZZ that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE.  
(9 VAC 5-80-110 and 40 CFR § 63.6650)
65. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Reporting** - You must submit all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;
- a. An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.  
(9 VAC 5-80-110 and 40 CFR § 63.6645)
66. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Reporting** - As specified in §63.9(b)(2), if you start up your stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions before the effective date of this subpart and you are required to submit an initial notification, you must submit an Initial Notification not later than July 16, 2008.  
(9 VAC 5-80-110 and 40 CFR § 63.6645)
67. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Reporting** - If you are required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), your notification should include the information in §63.9(b)(2)(i) through (v), and a statement that your stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).  
(9 VAC 5-80-110 and 40 CFR § 63.6645)
68. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Reporting** - If you are required to conduct a performance test, you must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in §63.7(b)(1).  
(9 VAC 5-80-110 and 40 CFR § 63.6645)

69. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Reporting** - If you are required to conduct a performance test or other initial compliance demonstration as specified in Tables 4 and 5 to MACT, Subpart ZZZZ, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii).
- a. For each initial compliance demonstration required in Table 5 to MACT, Subpart ZZZZ that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration.
  - b. For each initial compliance demonstration required in Table 5 to MACT, Subpart ZZZZ that includes a performance test conducted according to the requirements in Table 3 to this subpart, you must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to §63.10(d)(2).
- (9 VAC 5-80-110 and 40 CFR § 63.6645)

#### F. Recordkeeping

70. **Fuel Burning Equipment Requirements – (emission unit ID #TEG1, ODEG1, ODEG2, FEG2, FEG3, G6G, and G6EG) – MACT ZZZZ – Recordkeeping** - If you must comply with the emission and operating limitations, you must keep the records described in a through e of this section.
- a. A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv).
  - b. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
  - c. Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).
  - d. Records of all required maintenance performed on the air pollution control and monitoring equipment.
  - e. Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
- (9 VAC 5-80-110 and 40 CFR § 63.6655)
71. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Recordkeeping** - For each CEMS or CPMS, you must keep the records listed in paragraphs (b)(1) through (3) of 40 CFR 63.6655.
- a. Records described in §63.10(b)(2)(vi) through (xi).
  - b. Previous ( i.e., superseded) versions of the performance evaluation plan as required in §63.8(d)(3).
  - c. Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in §63.8(f)(6)(i), if applicable.
- (9 VAC 5-80-110 and 40 CFR § 63.6655)

72. **Fuel Burning Equipment Requirements – (emission unit ID #ODEG1 and G6EG) – MACT, Subpart ZZZZ - Recordkeeping** - You must keep the records required in Table 6 of 40 CFR 63, Subpart ZZZZ to show continuous compliance with each emission or operating limitation that applies to you. (9 VAC 5-80-110 and 40 CFR § 63.6655)
73. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Recordkeeping** - You must submit each report in Table 7 of 40 CFR 63, Subpart ZZZZ that applies to you. (9 VAC 5-80-110 and 40 CFR § 63.6650)
74. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Recordkeeping** - Unless the Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report by the date in Table 7 of 40 CFR 63, Subpart ZZZZ and according to the requirements in paragraphs a through e of this section.
- a. The first Compliance report must cover the period beginning on the compliance date that is specified for your affected source in §63.6595 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in §63.6595.
  - b. The first Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for your affected source in §63.6595.
  - c. Each subsequent Compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
  - d. Each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
  - e. For each stationary RICE that is subject to permitting regulations pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6 (a)(3)(iii)(A), you may submit the first and subsequent Compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of § 63.6650. (9 VAC 5-80-110 and 40 CFR § 63.6650)
75. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Recordkeeping** - The Compliance report must contain the information in paragraphs a through f of this section.
- a. Company name and address.
  - b. Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report
  - c. Date of report and beginning and ending dates of the reporting period.
  - d. If you had a startup, shutdown, or malfunction during the reporting period, the compliance report must include the information in § 63.10(d)(5)(i).
  - e. If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.

- f. If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in § 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.  
(9 VAC 5-80-110 and 40 CFR § 63.6650)

**76. Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Recordkeeping** - For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report must contain the information in paragraphs a through b of this section.

- a. The total operating time of the stationary RICE at which the deviation occurred during the reporting period.
- b. Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.  
(9 VAC 5-80-110 and 40 CFR § 63.6650)

**77. Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Recordkeeping** - For each deviation from an emission or operating limitation occurring for a stationary RICE where you are using a CMS to comply with the emission and operating limitations in this subpart, you must include information in paragraphs a through l of this section.

- a. The date and time that each malfunction started and stopped.
- b. The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.
- c. The date, time, and duration that each CMS was out-of-control, including the information in § 63.8(c)(8).
- d. The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.
- e. A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.
- f. A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
- g. A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.
- h. An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.
- i. A brief description of the stationary RICE.
- j. A brief description of the CMS.
- k. The date of the latest CMS certification or audit.
- l. A description of any changes in CMS, processes, or controls since the last reporting period.  
(9 VAC 5-80-110 and 40 CFR § 63.6650)

78. **Fuel Burning Equipment Requirements – (emission unit ID #G6G) – MACT, Subpart ZZZZ - Recordkeeping** - Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.  
(9 VAC 5-80-110 and 40 CFR § 63.6650)

## VIII. Process Equipment Requirements – (emission unit ID #006)

### A. Limitations

79. **Process Equipment Requirements – (emission unit ID #006) - Limitations** - At all times, including periods of startup, shutdown and malfunction, the surface coating equipment and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-40-20 E and 9 VAC 5-80-110)
80. **Process Equipment Requirements – (emission unit ID #006) - Limitations** - Each shipbuilding and ship repair operation is to be operated in compliance with the General Provisions of 40 CFR part 63 subpart A as specified in Table 1 of 40 CFR part 63 subpart II.  
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.780)
81. **Process Equipment Requirements – (emission unit ID #006) - Limitations** - The permittee shall comply with the applicable provisions of 40 CFR part 63 subpart II.  
(9 VAC 5-60-100 and 9 VAC 5-80-110)
82. **Process Equipment Requirements – (emission unit ID #006) - Limitations** - The provisions of 40 CFR part 63 subpart A pertaining to startups, shutdowns, malfunctions, and continuous monitoring do not apply unless an add-on control system is used to comply with 40 CFR part 63 subpart II.  
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.781(d))
83. **Process Equipment Requirements – (emission unit ID #006) - Limitations** - No owner or operator shall cause or allow the application of any coating to a ship with an as-applied Volatile Organic Hazardous Air Pollutant (VOHAP) content exceeding the applicable limit given in Table 2 of 40 CFR part 63 subpart II.  
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.783(a))
84. **Process Equipment Requirements – (emission unit ID #006) - Limitations** - Each owner or operator shall ensure that:
  - a. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills.
  - b. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them.  
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.783(b))
85. **Process Equipment Requirements – (emission unit ID #006) - Limitations** - The permittee shall demonstrate compliance with the applicable VOHAP limits in Table 2 of 40 CFR part 63 subpart II using the procedures in 40 CFR 63.785 (c)(1)-(c)(4).  
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.785(c))

**B. Recordkeeping**

86. **Process Equipment Requirements – (emission unit ID #006) - Recordkeeping** - The permittee shall comply with all recordkeeping and reporting requirements in 40 CFR 63.788 (Table 3 of 40 CFR part 63 subpart II) for each compliance option chosen. These records shall be available at the facility for inspection by DEQ and shall be current for the most recent five years.  
(9 VAC 5-60-100, 9 VAC 5-80-110, and 40 CFR 63.788)

## **IX. Process Equipment Requirements – (emission unit ID #020)**

### **A. Limitations**

87. **Process Equipment Requirements – (emission unit ID #020) - Limitations** - At all times, including periods of startup, shutdown and malfunction, the abrasive blasting equipment and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-40-20 E and 9 VAC 5-80-110)

## **X. Process Equipment Requirements – (emission unit ID #022)**

### **A. Limitations**

88. **Process Equipment Requirements – (emission unit ID #022) - Limitations** - The permittee shall not cause or permit to be discharged into the atmosphere any particulate emissions caused by any woodworking operation without providing, as a minimum, for their collection, adequate duct work and properly designed collectors.  
(9 VAC 5-40-2270 A. and 9 VAC 5-80-110)
89. **Process Equipment Requirements – (emission unit ID #022) - Limitations** - Particulate emissions from the carpenter shop (Emission Unit 022) shall not exceed 0.05 grains per standard cubic feet of exhaust gas.  
(9 VAC 5-40-2270 B. and 9 VAC 5-80-110)
90. **Process Equipment Requirements – (emission unit ID #022) - Limitations** - Visible emissions from the carpenter shop (Emission Unit 022) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9 VAC 5-40-80 and 9 VAC 5-80-110)
91. **Process Equipment Requirements – (emission unit ID #022) - Limitations** - At all times, including periods of startup, shutdown and malfunction, the carpenter shop/woodworking equipment and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-40-20 E and 9 VAC 5-80-110)

### **B. Recordkeeping**

92. **Process Equipment Requirements – (emission unit ID #022) - Recordkeeping** - The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. These records shall include, but are not limited to:
- Visible emission checks (as required by Condition 97);
  - Corrective measures for visible emissions;
  - Visible emission evaluations (as required by Condition 97); and,
  - All emission calculations relied on by the permittee to demonstrate compliance with the emission limits set forth in this permit, including DEQ-approved, pollutant-specific emission factors, equations, and assumptions used.
- These records shall be maintained at the facility for at least five years.  
(9 VAC 5-80-110)

## **XI. Process Equipment Requirements – (emission unit ID #024)**

### **A. Limitations**

93. **Process Equipment Requirements – (emission unit ID #024) - Limitations** - Visible emissions from the shot blast cabinets (Emission Unit 024) shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 60 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9 VAC 5-40-80 and 9 VAC 5-80-110)
  
94. **Process Equipment Requirements – (emission unit ID #024) - Limitations** - At all times, including periods of startup, shutdown and malfunction, the shot blast cabinets and any associated air pollution control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-40-20 E and 9 VAC 5-80-110)

## **XII. Process Equipment Requirements – (emission unit ID #023)**

### **A. Limitations**

95. **Process Equipment Requirements – (emission unit ID #023) - Limitations** - At all times, including periods of startup, shutdown and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-40-20 E and 9 VAC 5-80-110)
  
96. **Process Equipment Requirements – (emission unit ID #023) - Limitations** - At all times the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-40-20 F and 9 VAC 5-80-110)

### **XIII. Facility Wide Conditions**

97. **Facility Wide Conditions - Monitoring** - The permittee shall perform periodic visual evaluations of each non-fugitive significant emissions unit having an opacity limitation (except for emissions units TEG1, ODEG1, ODEG2, FEG2, FEG3, G6EG, and 023) once each calendar month while operating at normal load/capacity to determine compliance with the opacity standards for each individual unit. The visual evaluation shall last for a period of six consecutive minutes. If such periodic evaluations indicate any opacity, the permittee shall take appropriate action within seven calendar days to correct the cause of the opacity such that no visible emissions exist. If such corrective action fails to correct the problem, the permittee shall conduct a visible emissions evaluation (VEE) utilizing EPA Method 9 (reference 40 CFR 60, Appendix A). All periodic visual evaluations, visible emissions evaluations and corrective actions necessary shall be recorded in a logbook for each significant emissions unit. The logbooks shall be kept at the facility and made available for inspection by the DEQ for the most recent five (5) year period.  
(9 VAC 5-80-110 E)
98. **Facility Wide Conditions - Testing** - If testing to demonstrate compliance is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate methods in accordance with procedures approved by the DEQ.  
(9 VAC 5-80-110)
99. **Facility Wide Conditions - Violation of Ambient Air Quality Standards** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating and 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 5-80-110)
100. **Facility Wide Conditions - Volatile Organic Compound Disposal** - At all times, the disposal of volatile organic compounds shall be accomplished by taking measures, to the extent practicable, consistent with air pollution control practices for minimizing emissions. Volatile organic compounds shall not be intentionally spilled, discarded in sewers which are not connected to a treatment plant, or stored in open containers or handled in any other manner that would result in evaporation beyond that consistent with air pollution control practices for minimizing emissions.  
(9 VAC 5-40-20 F, 9 VAC 5-50-20 F, and 9 VAC 5-80-110)

#### XIV. Insignificant Emission Units

101. **Insignificant Emission Units** - The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation (9 VAC)	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
T6	Recovered oil & water mix holding tank	5-80-720 B.2.	VOC	25,000 gallons
T7	Recovered oil & water mix holding tank	5-80-720 B.2.	VOC	25,000 gallons
T8	Recovered oil & water mix holding tank	5-80-720 B.2.	VOC	50,000 gallons
T22	Aboveground #2 diesel tank	5-80-720 B.2.	VOC	1,000 gallons
T37	Aboveground #2 diesel tank	5-80-720 B.2.	VOC	1,000 gallons
T29	Aboveground #2 diesel tank	5-80-720 B.2.	VOC	10,000 gallons
T11	Aboveground used oil tank	5-80-720 B.2.	VOC	10,000 gallons
T12	Aboveground used oil tank	5-80-720 B.2.	VOC	10,000 gallons
T13	Aboveground #2 diesel tank	5-80-720 B.2.	VOC	10,000 gallons
T14	Aboveground #2 diesel tank	5-80-720 B.2.	VOC	5,900 gallons
T40	Aboveground #2 diesel tank	5-80-720 B.2.	VOC	250 gallons
T50	Aboveground #2 diesel tank	5-80-720 B.2.	VOC	1,000 gallons
T51	Aboveground #2 diesel tank	5-80-720 B.2.	VOC	1,200 gallons
T52	Aboveground gasoline tank	5-80-720 B.2.	VOC	1,000 gallons
T53	Aboveground used oil tank	5-80-720 B.2.	VOC	300 gallons
071	Heat treatment furnace, No. 1 or 2 fuel oil	5-80-720 B	PM10, SO2, NOx, CO, VOC	1.5 mmBtu/hr
072	Heat treatment furnace, No. 1 or 2 fuel oil	5-80-720 B	PM10, SO2, NOx, CO, VOC	1.5 mmBtu/hr

073	Heat treatment furnace, No.1 or 2 fuel oil	5-80-720 B	PM10, SO2, NOx, CO, VOC	1.5 mmBtu/hr
074	Heat treatment furnace, No. 1 or 2 fuel oil	5-80-702 B	PM10, SO2, NOx, CO, VOC	1.5 mmBtu/hr
FEG1	Facility Emergency Diesel Generator #1	5-80-702 B	PM10, SO2, NOx, CO, VOC	150 kW

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

**XV. Permit Shield & Inapplicable Requirements**

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

Citation	Title of Citation	Description of Applicability/Inapplicability
40 CFR 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	The unit (FEG3) burns diesel fuel and is not a spark ignition unit.
40 CFR 63 Subpart ZZZZ	National Emission Standards For Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	The unit (FEG3) is "existing" and applicable to the MACT.
40 CFR 63 Subpart ZZZZ	National Emission Standards For Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	The unit (FEG1) is "non-road" and not applicable to the MACT.

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

(9 VAC 5-80-140)

## XVI. General Conditions

103. **General Conditions - Federal Enforceability** -All terms and conditions in this permit are enforceable by the administrator and citizens under the Federal Clean Air Act, except those that have been designated as only state-enforceable.  
(9 VAC 5-80-110 N)
104. **General Conditions - Permit Expiration**- This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
105. **General Conditions - Permit Expiration**-The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
106. **General Conditions - Permit Expiration**-If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
107. **General Conditions - Permit Expiration**-No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
108. **General Conditions - Permit Expiration**-If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
109. **General Conditions - Permit Expiration**-The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.  
(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)
110. **General Conditions -Recordkeeping and Reporting** - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
- a. The date, place as defined in the permit, and time of sampling or measurements.
  - b. The date(s) analyses were performed.
  - c. The company or entity that performed the analyses.
  - d. The analytical techniques or methods used.
  - e. The results of such analyses.
  - f. The operating conditions existing at the time of sampling or measurement.  
(9 VAC 5-80-110 F)

111. **General Conditions -Recordkeeping and Reporting** - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.  
(9 VAC 5-80-110 F)
112. **General Conditions -Recordkeeping and Reporting** - The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:
- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.
  - b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
    - i. Exceedance of emissions limitations or operational restrictions;
    - ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
    - iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.
  - c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that “no deviations from permit requirements occurred during this semi-annual reporting period.”  
(9 VAC 5-80-110 F)
113. **General Conditions - Annual Compliance Certification** - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:
- a. The time period included in the certification. The time period to be addressed is January 1 to December 31.
  - b. The identification of each term or condition of the permit that is the basis of the certification.
  - c. The compliance status.
  - d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
  - e. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

- f. Such other facts as the permit may require to determine the compliance status of the source.
- g. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

[R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov)

(9 VAC 5-80-110 K.5)

114. **General Conditions - Permit Deviation Reporting** - The permittee shall notify the Director, Tidewater Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 112 of this permit. (9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)
115. **General Conditions - Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Tidewater Regional Office within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office. (9 VAC 5-20-180 C)
116. **General Conditions - Failure/Malfunction Reporting** - Each owner required to install a continuous monitoring system (CMS) or monitoring device subject to 9 VAC 5-40-41 or 9 VAC 5-50-410 shall submit a written report of excess emissions (as defined in the applicable subpart in 9 VAC 5-50-410) and either a monitoring systems performance report or a summary report form, or both, to the board semiannually. All semi-annual reports shall be postmarked by the 30th day following the end of each calendar semi-annual period (June 30th and January 30th). All reports shall include the following information:
- a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h) or 9 VAC 5-40-41 B.6, any conversion factors used, and the date and time of commencement and completion of each period of excess emissions;
  - b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the source. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;
  - c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and
  - d. When no excess emissions have occurred or the continuous monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

All malfunctions of emission units not subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C require written reports within 14 days of the discovery of the malfunction.  
(9 VAC 5-20-180 C)

117. **General Conditions - Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.  
(9 VAC 5-80-110 G.1)
118. **General Conditions - Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.  
(9 VAC 5-80-110 G.2)
119. **General Conditions - Need to Halt or Reduce Activity not a Defense** -It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.  
(9 VAC 5-80-110 G.3)
120. **General Conditions - Permit Modification** -A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.  
(9 VAC 5-80-190 and 9 VAC 5-80-260)
121. **General Conditions - Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.  
(9 VAC 5-80-110 G.5)
122. **General Conditions - Duty to Submit Information** - The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.  
(9 VAC 5-80-110 G.6)
123. **General Conditions - Duty to Submit Information** - Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.  
(9 VAC 5-80-110 K.1)

124. **General Conditions - Duty to Pay Permit Fees** - The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9 VAC 5-80-2310 through 9 VAC 5-80-2350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. The amount of the annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 8-11A in 9 VAC 5-80-2340, adjusted annually by the change in the Consumer Price Index. (9 VAC 5-80-110 H, 9 VAC 5-80-340 C and 9 VAC 5-80-2340 B)
125. **General Conditions - Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
  - b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
  - c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
  - d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
  - e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.
- (9 VAC 5-40-90 and 9 VAC 5-50-90)
126. **General Conditions - Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. (9 VAC 5-50-20 E and 9 VAC 5-40-20 E)

127. **General Conditions - Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.  
(9 VAC 5-80-110 J)
128. **General Conditions - Inspection and Entry Requirements** - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:
- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
  - b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
  - d. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.  
(9 VAC 5-80-110 K.2)
129. **General Conditions - Reopening For Cause** - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F. The conditions for reopening a permit are as follows:
- a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
  - b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
  - c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.  
(9 VAC 5-80-110 L)
130. **General Conditions - Permit Availability** - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.  
(9 VAC 5-80-150 E)
131. **General Conditions - Transfer of Permits** - No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.  
(9 VAC 5-80-160)

132. **General Conditions - Transfer of Permits** - In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.  
(9 VAC 5-80-160)
133. **General Conditions - Transfer of Permits** - In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.  
(9 VAC 5-80-160)
134. **General Conditions - Malfunction as an Affirmative Defense** - A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of Condition 101 are met.  
(9 VAC 5-80-250)
135. **General Conditions - Malfunction as an Affirmative Defense** - The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
- a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
  - b. The permitted facility was at the time being properly operated.
  - c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
  - d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.  
(9 VAC 5-80-250)
136. **General Conditions - Malfunction as an Affirmative Defense** - In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.  
(9 VAC 5-80-250)
137. **General Conditions - Malfunction as an Affirmative Defense** - The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.  
(9 VAC 5-80-250)

138. **General Conditions - Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.  
(9 VAC 5-80-190 C and 9 VAC 5-80-260)
139. **General Conditions - Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.  
(9 VAC 5-80-80 E)
140. **General Conditions - Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.  
(40 CFR Part 82, Subparts A-F)
141. **General Condition – Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).  
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)
142. **General Condition - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.  
(40 CFR Part 68)
143. **General Conditions - Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.  
(9 VAC 5-80-110 I)
144. **General Conditions - Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:
- a. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

- b. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
- c. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.  
(9 VAC 5-80-110 I)

## **XVII. State-Only Enforceable Requirements**

145. **State-Only Enforceable Requirements** - The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

Odor:

State toxics rule

Other

(9 VAC 5-80-110 N and 9 VAC 5-80-300)