



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Regional Office, 627 Main Street, Worcester, MA 01608

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

LAURIE BURT
Commissioner

AIR QUALITY OPERATING PERMIT

Issued by the Massachusetts Department of Environmental Protection ("The Department") pursuant to its authority under M.G.L. c. 111, §142B and §142D, 310 CMR 7.00 et seq., and in accordance with the provisions of 310 CMR 7.00: Appendix C.

ISSUED TO ["the Permittee"]:

Hollingsworth & Vose Company
219 Townsend Road
West Groton, MA 01472

INFORMATION RELIED UPON:

Transmittal No. W201917

FACILITY LOCATION:

Hollingsworth & Vose Company
219 Townsend Road
West Groton, MA 01472

FACILITY IDENTIFYING NUMBERS:

AQ ID: 121-0086
FMF FAC NO. 131591
FMF RO NO. 51768

NATURE OF BUSINESS:

Manufacturer of technical/industrial papers and nonwoven fabrics

STANDARD INDUSTRIAL CODE (SIC):

2621

RESPONSIBLE OFFICIAL:

Name: James Lynch
Title: Director of Operations

FACILITY CONTACT PERSON:

Name: Kathleen A. Puff
Title: Senior Environmental Engineer
Phone: (978) 448-3311

This operating permit shall expire on March 25, 2014.

For the Department of Environmental Protection, Bureau of Waste Prevention

This final document copy is being provided to you electronically by the Department of Environmental Protection. A signed copy of this document is on file at the DEP office listed on the letterhead.

Permit Chief, Bureau of Waste Prevention

March 25, 2009
Date

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SPECIAL CONDITIONS FOR OPERATING PERMIT

A Legend to Abbreviated Terms found in the following Tables is located in Section 28 of the Operating Permit.

1. PERMITTED ACTIVITIES

In accordance with the provisions of 310 CMR 7.00:Appendix C and applicable rules and regulations, the Permittee is authorized to operate air emission units as shown in Table 1 and exempt, and insignificant activities as described in 310 CMR 7.00:Appendix C(5)(h) and (i). The units described in Table 1 are subject to the terms and conditions shown in Sections 4, 5, and 6 and to other terms and conditions as specified in this permit. Emissions from the exempt activities shall be included in the total facility emissions for the emission-based portion of the fee calculation described in 310 CMR 4.00 and this permit.

DESCRIPTION OF FACILITY AND OPERATIONS

The permitted facility is named the Hollingsworth & Vose Company and is located at 219 Townsend Road in West Groton, Massachusetts. The Hollingsworth & Vose Company is a manufacturer of technical and industrial papers and nonwoven fabrics.

The facility purchases premanufactured cellulose paper pulp and fiberglass fibers in bales. Paper Machine #5 uses the fiberglass fibers only, and Paper Machine #7 uses the cellulose pulp. The pulp and fiber is mixed with water and chemical additives and then made into paper on the two paper machines. Use of the chemical additives is subject to Department Regulations on VOC and HAPs. Two large boilers are used to provide process and building heat. The boilers are subject to Department Regulations on fuel and fuel-burning equipment.

Table 1 lists the equipment (emission units or EUs) subject to this Operating Permit. Table 2 describes the equipment that is not mentioned further in the Operating Permit. Tables 3, 4, 5, and 6 describe the applicable requirements that the EUs are subject to in the Operating Permit. Table 7 lists the requirements that the Permittee is not subject to.

2. EMISSION UNIT IDENTIFICATION

The following emission units (Table 1) are subject to and regulated by this operating permit:

Table 1			
Emission Unit (EU#)	Description of Emission Unit	EU Design Capacity	Pollution Control Device (PCD)
1	Paper Machine #5	3,000 lbs/hr	NA
2	Paper Machine #7	9,000 lbs/hr	NA
3	Boiler #1	49,500,000 BTU/hr	NA
4	Boiler #4	49,500,000 BTU/hr	NA
5	Degreasers	NA	NA

3. IDENTIFICATION OF EXEMPT ACTIVITIES

The following are considered exempt activities in accordance with the criteria contained in 310 CMR 7.00: Appendix C(5)(h):

Table 2	
Description of Current Exempt Activities	Reason
The list of current exempt activities is contained in the Operating Permit application and shall be updated by the Permittee to reflect changes at the facility over the permit term. An up-to-date copy of exempt activities list shall be kept on-site at the facility and a copy shall be submitted to the Department's Regional Office. Emissions from these activities shall be reported on the annual emissions statement pursuant to 310 CMR 7.12.	310 CMR 7.00:Appendix C(5)(h)

4. APPLICABLE REQUIREMENTS

A. EMISSION LIMITS AND RESTRICTIONS

The permittee is subject to the emission limits/restrictions as contained in Table 3 below:

Table 3					
EU #	Fuel	Pollutant	Emissions Limit/Standard	Restrictions	Applicable Regulation and/or (Approval No.)
1 & 2	Fiber & Paper Making Chemicals	VOC	4.786 lb VOC per gallon of solids applied on 24 hour basis		VOC Bubble Approval Dated January 23, 1986 310 CMR 7.18, Appendix B(4)
3	#6 fuel oil	PM	0.1 lb/MMBtu		Approval #CM-87-IF-012 Dated October 6, 1987
		SO ₂		Not to exceed 0.55 lb sulfur/MMBtu.	310 CMR 7.05(1)(a)
		NOx	0.37 lb/MMBtu 79.5 tons per rolling 12-month total	Fuel consumption not to exceed 7,920 gallons per day and 2,890,800 gallons per year. The boiler shall be tuned annually using the specified procedure to minimize NOx emissions.	Approval #91527 Dated March 16, 1995 310 CMR 7.19(6)

Table 3

EU #	Fuel	Pollutant	Emissions Limit/Standard	Restrictions	Applicable Regulation and/or (Approval No.)
4	#6 fuel oil	PM	0.15 lb/MMBtu		310 CMR 7.02
		SO ₂		Not to exceed 0.55 lb sulfur/MMBtu.	310 CMR 7.05(1)(a)
		NOx	0.37 lb/MMBtu 79.5 tons per rolling 12-month total	Fuel consumption not to exceed 7,920 gallons per day and 2,890,800 gallons per year. The boiler shall be tuned annually using the specified procedure to minimize NOx emissions.	Approval #91527 310 CMR 7.19(6)
5	Cold Cleaning Degreaser Solvent	VOC		The degreasers must comply with all equipment and housekeeping standards of the applicable regulations.	310 CMR 7.18(8) 310 CMR 7.18(1)(c)
3 & 4	#6 fuel oil and natural gas	Opacity	<p>≤ 15% during normal operation based on a six-minute block average.</p> <p>≤ 27% during Startup, Shutdown, Burner Shutdown/Change and Soot Blowing based on a six-minute block average.</p> <p>Never to exceed 27% based on a six-minute block average.</p>		310 CMR 7.06(1)(c) and POGOP approval dated September 12, 2008

B. COMPLIANCE DEMONSTRATION

The permittee is subject to the monitoring/testing, record keeping, and reporting requirements as contained in Tables 4, 5, and 6 below and 310 CMR 7.00 Appendix C (9) and (10) and applicable requirements contained in Table 3:

Table 4

EU#	MONITORING/TESTING REQUIREMENTS
3, 4	<p>1) Pursuant to 310 CMR 7.00: Appendix C(9)(b)2., the Permittee shall monitor the sulfur content of each new shipment of fuel received. Compliance with 310 CMR 7.05(1)(a) for sulfur content of the fuel can be demonstrated through fuel analysis. The analysis of sulfur content of the fuel shall be in accordance with the applicable American Society for Testing Materials (ASTM) test methods or any other method approved by the Department and the United States Environmental Protection Agency (EPA). Fuel sulfur information may be provided by fuel suppliers on the shipping receipt.</p> <p>2) The Permittee shall tune the emission units annually according to the procedure described in 310 CMR 7.19(6)(a)1.-12. in accordance with 310 CMR 7.19(6)(a).</p> <p>3) The Permittee shall at least once per month, verify that the settings determined during the tune-up have not changed in accordance with 310 CMR 7.19(6)(b)2.g.</p> <p>4) Compliance with the allowable smoke and opacity limits shall be determined in accordance with EPA Method 9, as specified in 40 CFR 60, Appendix A in accordance with 310 CMR 7.00 Appendix C(9)(b).</p> <p>5) The Permittee shall inspect and maintain the emission units in accordance with the manufacturers recommendations and test them for efficient operation at least once each calendar year in accordance with 310 CMR 7.04(4)(a), provided that if there is a conflict between the 310 CMR 7.19(6) tuneup procedure and the manufacturers recommendations, the 7.19(6) procedure shall be followed.</p>
3, 4	<p>6) In accordance with 310 CMR 7.04(2), the Permittee shall continuously operate the smoke density sensing instrument and recorder and maintain them in an accurate operating condition and ensure that there is a functioning audible alarm to signal the need for combustion equipment adjustment or repair when the smoke density is equal to or greater than No. 1 of the Chart. The Permittee shall make the smoke density equipment available for inspection at reasonable times by a representative of the Department. Such inspection may include the review of recording charts. The smoke density sensing equipment shall be maintained using good engineering practices according to the manufacturers recommendations or other procedures acceptable to the Department and the U.S. EPA.</p> <p>7) The Permittee shall install, maintain and operate fuel flow meters to monitor the quantity of fuel consumed by the fuel burning equipment in accordance with Approval #91527. The number and location of the fuel flow meters shall be such that compliance with the operating limits in Table 3 can be determined.</p> <p>8) In accordance with 310 CMR 7.04(2)(a), maintain a smoke density indicator and recorder that is properly maintained in an accurate operating condition, operates continuously and is equipped with an audible alarm to signal the need for combustion equipment adjustment or repair when the smoke density is equal to or greater than No. 1 of the Chart.</p> <p>9) In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, as a minimum, calibrate the smoke density indicator system at least annually in accordance with the manufacturer's recommended procedures.</p> <p>10) In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, the smoke density indicator, audible alarm and recorder system is used as an indicator to initiate corrective actions if the opacity level is in excess of the expected level, as defined in the Plan of Good Operating Practices, for: normal operation, startup, shutdown, burner shutdown/change, or soot blowing.</p> <p>11) If measured opacity exceeds an applicable emission limit, the facility shall evaluate the exceedance to determine cause and if the Plan of Good Operating Practices was being followed during the exceedance period. The reason(s) and any corrective action shall be documented in a logbook or other permanent record. If more than three (3) exceedances of a particular type (startup, shutdown, burner shutdown/change, or soot blowing) should occur within a six (6) month period for any reason, then</p>

Table 4

EU#	MONITORING/TESTING REQUIREMENTS
	<p>at the next scheduled event of that type, a Method 9 Test shall be conducted, and the Plan of Good Operating Procedures should be revised if appropriate. Based upon the cause of exceedance, the Permittee may request waiver of the Method 9 Test requirement. Any request shall be in writing to the Department.</p>
	<p>12) In the event a smoke density indicator and recorder is out-of-service for more than two business days while a boiler is operating and firing oil, then a Method 9 Test shall be conducted at least once per day during normal operations and once per day during any scheduled soot blowing, startup, burner shutdown/change and/or shutdown events until the day that the smoke density indicator and recorder is placed back in service.</p> <p>13) In accordance with 310 CMR 7.06(1)(c), and the Plan of Good Operating Procedures, the opacity levels during normal operation, soot blowing, startup, burner shutdown/change and shutdown, as applicable, shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 at least once every twelve months.</p>
1, 2	<p>14) The Permittee shall maintain a daily RACT compliance log book which uses RACT compliance sheets approved by the Department for recordkeeping purposes on days when VOC coatings higher than 4.786 pounds VOC per gallon of solids applied are used, in accordance with the VOC Bubble Approval. The Permittee shall monitor the VOC content on a solids applied basis for the RACT coating lines.</p> <p>15) Compliance with the allowable VOC content of formulations used shall be determined by using 40 CFR Part 60, Appendix A, Method 24 as amended for water-based coatings, or by other methods approved by the Department and EPA, in accordance with the VOC Bubble Approval.</p>
Facility Wide	<p>16) The Permittee shall monitor the operations of the entire facility such that necessary information is available for the preparation of the annual Source Registration/Emission Statement Forms as required by 310 CMR 7.12.</p> <p>17) The Permittee shall conduct Emissions Compliance Testing (stack testing) in accordance with 310 CMR 7.13 and 40 CFR Part 60, Appendix A when the Department has determined that such stack testing is necessary to ascertain compliance with the Department's regulations or design approval provisos. Such stack testing shall be:</p> <ul style="list-style-type: none"> (a) conducted by a person knowledgeable in stack testing, and (b) conducted in accordance with procedures contained in a test protocol which has been approved by the Department, and (c) in the presence of a representative of the Department when such is deemed necessary.

Table 5

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
All	The Permittee shall maintain on site the following records for five (5) years from the date of generation and have the records readily available to the Department and EPA personnel in accordance with 310 CMR 7.00 Appendix C(10)(b):
3, 4	<p>1) Fuel Burning Equipment:</p> <p>a) Fuel purchase receipts in order to demonstrate compliance with sulfur requirements as provided in 310 CMR 7.05(1);</p> <p>b) All fuel-oil analyses completed on behalf of the Permittee;</p> <p>c) Records of the date of tune-up; person(s) conducting tune up; O₂/CO (for gas) or O₂/smoke spot (for oil) correlations obtained during tune-up; boiler/burner manufacturer's recommended set-points; final boiler set-points as result of tune-up; normal boiler/burner maintenance records; and verification that the settings determined during the tune-up have not changed in accordance with 310 CMR 7.19(6)(b)2;</p> <p>d) Records of emissions testing and Method 9 opacity determinations conducted to demonstrate compliance with the applicable requirements in Table 3 in accordance with 310 CMR 7.13(1)(d);</p> <p>e) Records of daily fuel consumption indicated by the fuel flow meters for the purpose of demonstrating compliance with the fuel use limits in Table 3.</p> <p>f) The recording charts from the smoke density sensing equipment.</p> <p>g) Records of all repairs and maintenance conducted on the smoke sensing instruments and recorders.</p>
	<p>2) In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, maintain the following records:</p> <p>a) records of the information specified in Table B of the Plan of Good Operating Practices. The calendar date for each record shall be clearly identified on the record.</p> <p>b) smoke density indicator recorder records.</p> <p>c) all 40 CFR 60 Appendix A Method 9 records.</p> <p>d) a copy of the Plan of Good Operating Practices approved by the Department.</p> <p>e) a logbook or other permanent record that identifies the calendar date, start time, and end time for all smoke density indicator system calibrations.</p> <p>f) a logbook or other permanent record that identifies the calendar date, start time, and end time for any period of malfunction of the smoke density indicator, recorder and alarm system.</p> <p>g) a logbook or other permanent record that identifies the calendar date, start time, and end time for each startup, shutdown, burner shutdown/change and soot blow.</p> <p>h) a logbook or other permanent record that identifies the calendar date, start time, end time and a description of all maintenance performed on the smoke density indicator, recorder and audible alarm system.</p> <p>i) a logbook or other permanent record that identifies the calendar date, start time, end time and a description of the operating conditions for each event when the smoke density indicator, recorder and alarm system or Method 9 observations identifies that the opacity exceeded the level for the specific operating condition identified in Table A.</p> <p>j) a copy of the certification of the qualified observer for each 40 CFR 60, Appendix A, Method 9 observation.</p>
1, 2	<p>3) Paper Machines:</p> <p>a) records of VOC contents of all coatings used, and the calculations and daily log book for VOC coatings higher than 4.786 pounds VOC per gallon of solids applied to demonstrate compliance with the Table 3 VOC limit, in accordance with the VOC Bubble Approval.</p>
Facility Wide	<p>3) The Permittee shall maintain sufficient records of its operations and monitoring information for the annual preparation of a Source Registration/Emission Statement Form as required by 310 CMR 7.12.</p>

Table 6

EU#	REPORTING REQUIREMENTS
3 & 4	<p>1) The Permittee shall submit fuel-oil sulfur test results, obtained from the fuel supplier and or requisite analyses, to the Department upon request, in accordance with 310 CMR 7.00: Appendix C(10)(a).</p> <p>2) The Permittee shall summarize and submit to the Department the results of stack testing as prescribed in the Department's approved pretest protocol stack testing that was determined by the Department to be necessary to ascertain compliance with Department's regulations or design approval provisos in accordance with 310 CMR 7.13(1) and 310 CMR 7.13(2).</p> <p>3) The Permittee shall generate monthly reports in-house that document fuel use and compliance with the Table 3 limits in accordance with Approval #91527. If any fuel use limits are exceeded, the facility shall notify the Department in writing no later than the 15th day of the following month.</p> <p>4) In accordance with 310 CMR 7.06(1)(c), notify the Department, in writing, of any 40 CFR 60, Appendix A, Method 9 test results that indicates the percent opacity to be in excess of that defined in Table A. The notice shall be given within one business day. Within three business days the Permittee shall submit: a copy of the Method 9 data sheet(s), copy of smoke density indicator records, an explanation for the elevated opacity, and any proposed revisions to the Plan of Good Operating Practices which will be implemented so as to prevent a recurrence of said exceedance in the future.</p>
1, 2	<p>5) The Permittee shall submit to the Department quarterly reports showing all of the coating formulations used on days when VOC coatings higher than 4.786 pounds VOC per gallon of solids applied are being applied and summarizing RACT compliance for each day of the previous three calendar months, in accordance with the VOC Bubble Approval. The reports shall be due on April 30, July 30, October 30 and January 30 of each year.</p> <p>6) The Permittee shall submit to the Department RACT coating compliance determination worksheets for all new VOC coating formulations higher than 4.786 pounds VOC per gallon of solids applied, in accordance with the VOC Bubble Approval.</p> <p>7) The Permittee shall report exceedances of the Table 3 VOC emission limit to the Department within three (3) working days of the exceedance, in accordance with the VOC Bubble Approval.</p>
Facility Wide	<p>8) Upon the Department's request, any records required by the applicable requirements identified in Section 4 of the operating permit, or the emissions of any air contaminant from the facility, shall be submitted to the Department within 30 days of the request by the Department, or within a longer time period if approved in writing by the Department. Said response shall be transmitted on paper, on computer disk, or electronically at the discretion of the Department, pursuant to 310 CMR 7.00 Appendix C(10)(a) incorporated herein by reference.</p> <p>9) The Permittee shall submit a Source Registration/Emission Statement form to the Department on an annual basis as required by 310 CMR 7.12(2).</p> <p>10) The Permittee shall submit to the Department by January 30 and July 30 for the previous six months respectively, a summary of all monitoring data and related supporting information in a format specified by the Department as required by 310 CMR 7.00: Appendix C(10)(c).</p> <p>11) All required reports must be certified by a responsible official of the Permittee as provided in 310 CMR 7.00: Appendix C(10)(h).</p>

C. GENERAL APPLICABLE REQUIREMENTS

The permittee shall comply with all generally applicable requirements contained in 310 CMR 7.00 et. seq. and 310 CMR 8.00 et. seq., when subject.

D. REQUIREMENTS NOT CURRENTLY APPLICABLE

The permittee is currently not subject to the following requirements:

Table 7	
REGULATION	REASON
CAM 40 CFR 64	No equipment with air pollution control devices
Reduction of Single Occupant Commuter Vehicle Use 310 CMR 7.16	Permittee has less than 250 employees.
Prevention of Accidental Release 42 USC 7401, s. 112(r)	Storage, usage and processing of listed chemicals under the applicable thresholds.
Stratospheric Ozone 42 USC 7401, Title VI	No such applicable activities conducted at the facility.

5. SPECIAL TERMS AND CONDITIONS

The permittee is subject to the following special provisions that are not contained in Table 3, 4, 5, and 6: None.

6. ALTERNATIVE OPERATING SCENARIOS

The permittee did not request alternative operating scenarios in its operating permit application.

7. EMISSIONS TRADING

(a) Intra-facility emission trading

The facility did not request intra-facility emissions trading in its operating permit application.

Pursuant to 310 CMR 7.00: Appendix C(7)(b), emission trades, provided for in this permit, may be implemented provided the Permittee notifies The United States Environmental Protection Agency (EPA) and the Department at least fifteen (15) days in advance of the proposed changes and the Permittee provides the information required in 310 CMR 7.00: Appendix C(7)(b)3.

Any intra-facility change that does not qualify pursuant to 310 CMR 7.00: Appendix C(7)(b)2 is required to be submitted to the Department pursuant to 310 CMR 7.00: Appendix B.

(b) Inter-facility emission trading

The Permittee did not request inter-facility emissions trading in its operating permit application.

All increases in emissions due to emission trading, must be authorized under the applicable requirements of 310 CMR 7.00: Appendix B (the "Emissions Trading Program") and the 42 U.S.C. §7401 et seq. (the "Act"), and provided for in this permit.

8. COMPLIANCE SCHEDULE

The Permittee has indicated that the facility is in compliance and shall remain in compliance with the applicable requirements contained in Sections 4 and 5.

In addition, the Permittee shall comply with any applicable requirements that become effective during the permit term.

GENERAL CONDITIONS FOR OPERATING PERMIT

9. FEES

The permittee has paid the permit application processing fee and shall pay the annual compliance fee in accordance with the fee schedule pursuant to 310 CMR 4.00.

10. COMPLIANCE CERTIFICATION

All documents submitted to the Department shall contain certification by the responsible official of truth, accuracy, and completeness. Such certification shall be in compliance with 310 CMR 7.01(2) and contain the following language:

"I certify that I have personally examined the foregoing and am familiar with the information contained in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment."

The "Operating Permit Reporting Kit" contains instructions and the Annual Compliance Report and Certification and the Semi-Annual Monitoring Summary Report and Certification. The "Operating Permit Reporting Kit" is available to the Permittee via the Department's web site, <http://www.mass.gov/dep/air/approvals/aqforms.htm#op>.

(a) Annual Compliance Report and Certification

The Responsible Official shall certify, annually for the calendar year, that the facility is in compliance with the requirements of this permit. The report shall be postmarked or delivered by January 30 to the Department and to the Regional Administrator, U.S. Environmental Protection Agency - New England Region. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status and whether compliance was continuous or intermittent during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring,

- record keeping, and reporting requirements and test methods; and
- iv. any additional information required by the Department to determine the compliance status of the source.

(b) Semi-Annual Monitoring Summary Report and Certification

The Responsible Official shall certify, semi-annually on the calendar year, that the facility is in compliance with the requirements of this permit. The report shall be postmarked or delivered by January 30 and July 30 to the Department. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods;
- iv. whether there were any deviations during the reporting period;
- v. if there are any outstanding deviations at the time of reporting, and the Corrective Action Plan to remedy said deviation;
- vi. whether deviations in the reporting period were previously reported;
- vii. if there are any outstanding deviations at the time of reporting, the proposed date of return to compliance;
- viii. if the deviations in the reporting period have returned to compliance and date of such return to compliance; and
- ix. any additional information required by the Department to determine the compliance status of the source.

11. NONCOMPLIANCE

Any noncompliance with a permit condition constitutes a violation of 310 CMR 7.00: Appendix C and the Clean Air Act, and is grounds for enforcement action, for permit termination or revocation, or for denial of an operating permit renewal application by the Department and/or EPA. Noncompliance may also be grounds for assessment of administrative or civil penalties under M.G.L. c.21A, §16 and 310 CMR 5.00; and civil penalties under M.G.L. c.111, §142A and 142B. This permit does not relieve the permittee from the obligation to comply with any other provisions of 310 CMR 7.00 or the Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable Federal, State, or Local rules and regulations, not addressed in this permit.

12. PERMIT SHIELD

(a) This facility has a permit shield provided that it operates in compliance with the terms and conditions of this permit. Compliance with the terms and conditions of this permit shall be deemed compliance with all applicable requirements specifically identified in Sections 4, 5, 6, and 7, for the emission units as described in the permittee's application and as identified in this permit.

Where there is a conflict between the terms and conditions of this permit and any earlier approval or permit, the terms and conditions of this permit control.

(b) The Department has determined that the permittee is not currently subject to the requirements listed in Section 4, Table 7.

(c) Nothing in this permit shall alter or affect the following:

- (i) the liability of the source for any violation of applicable requirements prior to or at the time of permit issuance.
- (ii) the applicable requirements of the Acid Rain Program, consistent with 42 U.S.C. §7401, §408(a); or
- (iii) the ability of EPA to obtain information under 42 U.S.C. §7401, §114 or §303 of the Act.

13. ENFORCEMENT

The following regulations found at 310 CMR 7.02(8)(h) Table 6 for wood fuel, 7.02(8)(i), 7.04(9), 7.05(8), 7.09 (odor), 7.10 (noise), 7.18(1)(b), 7.21, 7.22 and any condition(s) designated as "state only" are not federally enforceable because they are not required under the Act or under any of its applicable requirements. These regulations and conditions are not enforceable by the EPA. Citizens may seek equitable or declaratory relief to enforce these regulations and conditions pursuant to Massachusetts General Law Chapter 214, Section 7A

All other terms and conditions contained in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the Department, EPA and citizens as defined under the Act.

A Permittee shall not claim as a defense 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.

14. PERMIT TERM

This permit shall expire on the date specified on the cover page of this permit, which shall not be later than the date 5 years after issuance of this permit.

Permit expiration terminates the permittee's right to operate the facility's emission units, control equipment or associated equipment covered by this permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.

15. PERMIT RENEWAL

Upon the Department's receipt of a complete and timely application for renewal, this facility may continue to operate subject to final action by the Department on the renewal application.

In the event the Department has not taken final action on the operating permit renewal application prior

to this permit's expiration date, this permit shall remain in effect until the Department takes final action on the renewal application, provided that a timely and complete renewal application has been submitted in accordance with 310 CMR 7.00: Appendix C(13).

16. REOPENING FOR CAUSE

This permit may be modified, revoked, reopened, and reissued, or terminated for cause by the Department and/or EPA. The responsible official of the facility may request that the Department terminate the facility's operating permit for cause. The Department will reopen and amend this permit in accordance with the conditions and procedures under 310 CMR 7.00: Appendix C(14).

The filing of a request by the permittee for an operating permit revision, revocation and reissuance, or termination, or a notification of a planned change or anticipated noncompliance does not stay any operating permit condition.

17. DUTY TO PROVIDE INFORMATION

Upon the Department's written request, the permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall furnish to the Department copies of records that the permittee is required to retain by this permit.

18. DUTY TO SUPPLEMENT

The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information. The permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after the date a complete renewal application was submitted but prior to release of a draft permit.

The permittee shall promptly, on discovery, report to the Department a material error or omission in any records, reports, plans, or other documents previously provided to the Department.

19. TRANSFER OF OWNERSHIP OR OPERATION

This permit is not transferable by the permittee unless done in accordance with 310 CMR 7.00: Appendix C(8)(a). A change in ownership or operation control is considered an administrative permit amendment if no other change in the permit is necessary and provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between current and new permittee, has been submitted to the Department.

20. PROPERTY RIGHTS

This permit does not convey any property rights of any sort, or any exclusive privilege.

21. INSPECTION AND ENTRY

Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Department, and EPA to perform the following:

(a) enter upon the permittee's premises where an operating permit source activity is located or emissions-related activity is conducted, or where records must be kept under the conditions of this

permit;

(b) have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

(d) Sample or monitor at reasonable times any substances or parameters for the purpose of assuring compliance with the operating permit or applicable requirements as per 310 CMR 7.00 Appendix C(3)(g)(12).

22. PERMIT AVAILABILITY

The permittee shall have available at the facility, at all times, a copy of the materials listed under 310 CMR 7.00: Appendix C(10)(e) and shall provide a copy of the permit, including any amendments or attachments thereto, upon request by the Department or EPA.

23. SEVERABILITY CLAUSE

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

24. EMERGENCY CONDITIONS

The permittee shall be shielded from enforcement action brought for noncompliance with technology based¹ emission limitations specified in this permit as a result of an emergency². In order to use emergency as an affirmative defense to an action brought for noncompliance, the permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

(a) an emergency occurred and that the permittee can identify the cause(s) of the emergency;

(b) the permitted facility was at the time being properly operated;

(c) during the period of the emergency, the permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and

(d) the permittee submitted notice of the emergency to the Department within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

If an emergency episode requires immediate notification to the Bureau of Waste Site

¹ Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

² An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.

Cleanup/Emergency Response immediate notification to the appropriate parties should be made as required by law.

25. PERMIT DEVIATION

Deviations are instances where any permit condition is violated and not reported as an emergency pursuant to section 24 of this permit. Reporting a permit deviation is not an affirmative defense for action brought for noncompliance. Any reporting requirements listed in Table 6. of this Operating Permit shall supercede the following deviation reporting requirements, if applicable.

The Permittee shall report to the Department's Regional Bureau of Waste Prevention the following deviations from permit requirements, by telephone or fax, within three (3) days of discovery of such deviation:

- Unpermitted pollutant releases, excess emissions or opacity exceedances measured directly by CEMS/COMS, by EPA reference methods or by other credible evidence, which are ten percent (10%) or more above the emission limit.
- Exceedances of parameter limits established by your Operating Permit or other approvals, where the parameter limit is identified by the permit or approval as surrogate for an emission limit.
- Exceedances of permit operational limitations directly correlated to excess emissions.
- Failure to capture valid emissions or opacity monitoring data or to maintain monitoring equipment as required by statutes, regulations, your Operating Permit, or other approvals.
- Failure to perform QA/QC measures as required by your Operating Permit or other approvals for instruments that directly monitor compliance.

For all other deviations, three (3) day notification is waived and is satisfied by the documentation required in the subsequent Semi-Annual Monitoring Summary and Certification. Instructions and forms for reporting deviations are found in the Massachusetts Department of Environmental Protection Bureau of Waste Prevention Air Operating Permit Reporting Kit, which is available to the Permittee via the Department's web site, <http://www.mass.gov/dep/air/approvals/aqforms.htm#op>. This report shall include the deviation, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and the corrective actions or preventative measures taken.

Deviations that were reported by telephone or fax within 3 days of discovery, said deviations shall also be submitted in writing via the Operating Permit Deviation Report to the regional Bureau of Waste Prevention within ten (10) days of discovery. For deviations, which do not require 3-day verbal notification, follow-up reporting requirements are satisfied by the documentation required in the aforementioned Semi-Annual Monitoring Summary and Certification.

26. OPERATIONAL FLEXIBILITY

The permittee is allowed to make changes at the facility consistent with 42 U.S.C. §7401, §502(b)(10) not specifically prohibited by the permit and in compliance with all applicable requirements provided the permittee gives the EPA and the Department written notice fifteen days prior to said change; notification is not required for exempt activities listed at 310 CMR 7.00: Appendix C(5)(h) and (i). The notice shall comply with the requirements stated at 310 CMR 7.00: Appendix C(7)(a) and will be appended to the facility's permit. The permit shield allowed for at 310 CMR 7.00: Appendix C(12) shall not apply to these changes.

27. MODIFICATIONS

(a) Administrative Amendments - The permittee may make changes at the facility which are

considered administrative amendments pursuant to 310 CMR 7.00: Appendix C(8)(a)1., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(b).

(b) Minor Modifications - The permittee may make changes at the facility which are considered minor modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)2., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(d).

(c) Significant Modifications - The permittee may make changes at the facility which are considered significant modifications pursuant to 310 CMR 7.00: Appendix C(8)(a)3., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(c).

(d) No permit revision shall be required, under any approved economic incentives program, marketable permits program, emission trading program and other similar programs or processes, for changes that are provided in this operating permit. A revision to the permit is not required for increases in emissions that are authorized by allowances acquired pursuant to the Acid Rain Program under Title IV of the Act, provided that such increases do not require an operating permit revision under any other applicable requirement.

APPEAL CONDITIONS FOR OPERATING PERMIT

This permit is an action of the Department. If you are aggrieved by this action, you may request an adjudicatory hearing within 21 days of issuance of this permit. In addition, any person who participates in any public participation process required by the Federal Clean Air Act, 42 U.S.C. §7401, §502(b)(6) or under 310 CMR 7.00: Appendix C(6), with respect to the Department's final action on operating permits governing air emissions, and who has standing to sue with respect to the matter pursuant to federal constitutional law, may initiate an adjudicatory hearing pursuant to Chapter 30A, and may obtain judicial review, pursuant to Chapter 30A, of a final decision therein.

If an adjudicatory hearing is requested, the facility must continue to comply with all existing federal and state applicable requirements to which the facility is currently subject, until a final decision is issued in the case or the appeal is withdrawn. During this period, the application shield shall remain in effect, and the facility shall not be in violation of the Act for operating without a permit.

Under 310 CMR 1.01(6)(b), the request must state clearly and concisely the facts which are the grounds for the request, and the relief sought. Additionally, the request must state why the permit is not consistent with applicable laws and regulations.

The hearing request along with a valid check payable to The Commonwealth of Massachusetts in the amount of one hundred dollars (\$100.00) must be mailed to:

The Commonwealth of Massachusetts
Department of Environmental Protection
P.O. Box 4062
Boston, MA 02211

The request will be dismissed if the filing fee is not paid unless the appellant is exempt or granted a waiver as described below.

The filing fee is not required if the appellant is a city or town (or municipal agency) county, or district of the Commonwealth of Massachusetts, or a municipal housing authority.

The Department may waive the adjudicatory hearing filing fee for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file, together with the hearing request as provided above, an affidavit setting forth the facts believed to support the claim of undue financial hardship.

28. LEGEND OF ABBREVIATED TERMS IN OPERATING PERMIT

*Not all abbreviations are present in every Operating Permit

< - Less Than

> - Greater Than

#/hr - Pounds Per Hour

10⁶ BTU/hr - 1,000,000 BTU Per Hour

AQCR - Air Quality Control Region

CEM - Continuous Emission Monitor

CO - Carbon Monoxide

EPA - Environmental Protection Agency

FMF FAC. NO. - Facility Master File Number

FMF RO NO. - Facility Master File Regulated Object Number

FT³/day - Cubic Feet Per Day

HHV - Higher Heating Value

ISO – Represent 59° F, 60% Relative Humidity, 29.92 Inches Mercury At Sea Level

MADEP - Massachusetts Department of Environmental Protection

MMBTU/hr - Million British Thermal Units Per Hour

NH₃ - Ammonia

NO_x - Nitrogen Oxides

PB - Lead

PLT ID - Plant Identification

PM - Particulate Matter

PPM - Parts Per Million

PTE - Potential To Emit

SO₂ - Sulfur Dioxide

SSEIS - Stationary Source Emission Inventory System

TPY - Tons Per Year

VOC - Volatile Organic Compound

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