



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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AIR QUALITY OPERATING PERMIT

Issued by the Massachusetts Department of Environmental Protection ("Department" or "MassDEP") 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"]:

Callaway Golf Ball Operations, Inc.
425 Meadow Street, P.O. Box 901
Chicopee, MA 01021-0901

INFORMATION RELIED UPON:

Application No. 1-O-09-012
Transmittal No. X227811

FACILITY LOCATION:

Callaway Golf Ball Operations, Inc.
425 Meadow Street, P.O. Box 901
Chicopee, MA 01021-0901

FACILITY IDENTIFYING NUMBERS:

AQ ID: 0420014
FMF FAC NO.: 387738
FMF RO NO.: 387740

NATURE OF BUSINESS:

Manufacturer of golf balls

Standard Industrial Classification (SIC): 3949

North American Industrial Classification System (NAICS): 339920

RESPONSIBLE OFFICIAL:

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Title: Manager Environmental, Health, Safety and Security

FACILITY CONTACT PERSON:

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This Operating Permit shall expire on _____.

For the Department of Environmental Protection

Michael Gorski
Regional Director
Department of Environmental Protection
Western Regional Office

Date

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SPECIAL CONDITIONS FOR 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.

A. DESCRIPTION OF FACILITY AND OPERATIONS

Callaway Golf Ball Operations, Inc. is a golf ball manufacturing facility located on 425 Meadow Street in Chicopee, Massachusetts. Since the issuance of the previous Operating Permit #1-O-95-111 (dated January 30, 2004), there have been several changes to the air contaminant sources at the facility. The following list contains the air contaminant sources that have been removed from the facility.

- Two- 31 million Btu per hour natural gas/ #6 fuel oil-fired Bigelow boilers (Emission Unit #1 and #2), a 26.5 million Btu per hour natural gas-fired York Shipley boiler (Emission Unit #3) and a 14.7 million Btu per hour natural gas-fired Kewanee boiler (Emission Unit #4) have been shutdown and disconnected.
- Thirteen of the original fifteen paint machines identified as Emission Unit #5, #6, #7, #8 and #9 are no longer being operated. Two of the original paint machines are currently in operation with the possibility that five more paint machines may be operated in the future. These seven paint machines will be consolidated into one emission unit since each paint machine has identical capabilities and identical regulatory requirements.
- The Kleeberg sheet metal cold degreasing units (Emission Unit #11) have been removed from the facility.
- The number of parts washers (Emission Unit #12) has been reduced to four cold cleaning degreasers and one aqueous cleaner.
- The manual golf club assembly (Emission Unit #13) has been removed from the facility.
- The heat cleaning oven (Emission Unit #16) has been removed from the facility.

The following list contains several air quality plan approvals that have been issued but the applicable requirements have yet to be incorporated into the facility's operating permit due to its expiration on January 30, 2009. The applicable requirements from each of these air quality plan approvals have been incorporated into the facility's operating permit.

- Limited Plan Approval #1-P-08-016, issued May 23, 2008, for the modification of the existing golf ball coating lines. This plan approval superseded limited plan approval #1-P-03-038 in its entirety and modified several previous plan approvals consisting of PA #1-P-93-036, PA #1-P-85-019, PV-87-IF-025 and Transmittal #53811.
- Limited Plan Approval #1-P-09-011, issued July 6, 2009, for the modification of the existing golf ball coating lines to include the use of a new protective coating and to include a facility-wide volatile organic compound (VOC) emission limit.
- Limited Plan Approval #1-P-09-011, issued August 12, 2010. This plan approval superseded limited plan approval #1-P-09-011, issued July 6, 2009 in its entirety and modified the protective coating

use limitation from 2250 gallons per year to 2800 gallons per year.

- Limited Plan Approval #1-P-11-003, issued March 10, 2011, for the construction and operation of a rubber mixing process controlled by a dust collector.
- Limited Plan Approval #1-B-11-011, issued May 20, 2011, for the construction and operation of two natural gas-fired, 10.2 million Btu per hour, Cleaver Brooks Model CBI #700-250-150 boilers equipped with flue gas recirculation and low NOx burners. Only one of these boilers has been constructed at the facility.
- Non-Major Comprehensive Plan Approval #1-P-11-007, issued June 15, 2011, for the reactivation of the golf ball surface treatment system (Emission Unit #15), this unit had been inactive for more than two years and was required to obtain a new plan approval prior to re-commencing operation; the modification of several VOC emission limits which included a reduction in the monthly and annual VOC emissions from the paint machines, a reduction in the monthly and annual VOC emissions from the cleaning and other miscellaneous painting operations, a reduction in the facility-wide monthly and annual VOC emissions and an increase in the pounds of VOC per dozen finished golf balls (averaged on a calendar month basis); and, the inclusion of a hazardous air pollutant (HAP) emission limit on the paint machines in pounds per pound of coating solids.

Based on the above changes, the facility currently consists of the following sources: seven golf ball painting machines, a rubber mixing/compounding process, a golf ball surface treatment line, four cold cleaning degreasers (3 immersion type and 1 remote reservoir type), one aqueous cleaner, a Stealth Industries groundwater treatment and contaminated soil venting system equipped with two catalytic oxidizers and two 10.2 MMBtu/hr natural gas-fired boilers (only one is currently installed). The facility also has a propane-fired 10 horsepower emergency stationary reciprocating internal combustion engine (RICE) and a 4.2 MMBtu/hr natural gas-fired Cleaver Brooks Model: CB 700-100 boiler. The RICE and boiler are both exempt from the plan approval requirements of 310 CMR 7.02. However, the RICE and the boiler have applicable regulatory requirements so they have been incorporated into the operating permit.

The paint machines are subject to the federal National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products, 40 CFR Part 63, Subpart PPPP, since they are an existing affected source that uses 100 gallons per year, or more, of coatings that contain HAPs in the surface coating of plastic parts and products which are part of a major source of HAP emissions. According to Subpart PPPP, the compliance date for an existing affected source is April 19, 2007. The affected source includes the following areas that are used for surface coating of plastic parts and products.

- All coating operations as defined in § 63.4581;
- All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;
- All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and
- All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

The applicable requirements of 40 CFR Part 63, Subpart PPPP have been included in this operating permit.

On March 21, 2011, the United States Environmental Protection Agency (USEPA) published final standards in the Federal Register for the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR Part 63 Subpart DDDDD (Boiler MACT). The 10.2 MMBtu/hr natural gas-fired boiler is considered to be a new affected source since the Boiler MACT defines a new boiler as one which commenced construction after June 4, 2010. According to

the Boiler MACT, the compliance date for new affected sources is May 20, 2011 or upon startup, whichever is later. Since the facility was a major source of HAPs at the time the 10.2 MMBtu/hr boiler commenced operation, the boiler is subject to 40 CFR Part 63 Subpart DDDDD. The applicable requirements have been included in this operating permit renewal.

The 10.2 MMBtu/hr natural gas-fired boiler is also subject to the federal Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60 Subpart Dc, since construction was commenced after June 9, 1989 and the boiler has a maximum design heat input capacity greater than 10 MMBtu/hour but less than 100 MMBtu/hr. The applicable requirements have been included in this operating permit.

According to 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, the propane-fired 10 horsepower emergency stationary RICE is considered an existing spark ignition engine since it was installed before June 12, 2006 (installed in 1999). The facility's HAP emissions were limited to below major source thresholds prior to the date (October 19, 2013) of the first substantive requirement in 40 CFR Part 63, Subpart ZZZZ. Therefore, the existing spark ignition engine is located at an area source of HAP and is subject to the area source requirements specified in 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

The Stealth Industries contaminated soil venting system is not subject to the federal National Emission Standards for Hazardous Air Pollutants: Site Remediation, 40 CFR Part 63 Subpart GGGGG, since it has been determined that the total quantity of HAP emitted from Table 1 of the subpart is less than 1 megagram (pre-control) annually and complies with the applicable requirements specified in 40 CFR 63.7881(c)(1) through (c)(3). The applicable recordkeeping requirement from 40 CFR 63.7881(c)(2) has been incorporated into this operating permit. This treatment system does not treat groundwater.

None of the emission units at the facility are subject to the compliance assurance monitoring requirements of 40 CFR Part 64 since there are no emission units which use a control device to achieve compliance with any emission limitation or standard for which the unit has potential pre-control device emissions of the applicable regulated air pollutant that are equal to or greater than 100 percent of the amount, in tons per year, required for a source to be classified as a major source.

The facility is no longer a "major stationary source" pursuant to the Emission Offsets and Nonattainment Review regulations of 310 CMR 7.00: Appendix A. In accordance with Plan Approval #1-P-11-007, the facility restricted the facility-wide potential to emit for VOCs to no more than 49 tons in any 12 consecutive month period.

The facility is no longer considered a major source of HAPs since a written request was received on December 5, 2012, to formally restrict the facility's HAP emissions to less than 10 tons per year of any individual HAP and less than 25 tons per year of any combination of HAPs. However, the facility is still subject to the Operating Permit and Compliance Program pursuant to 310 CMR 7.00: Appendix C(2).

Massachusetts promulgated the 310 CMR 7.71: Reporting of Greenhouse Gas Emissions regulations on June 26, 2009. Pursuant to 310 CMR 7.71(3)(a)1., the facility is subject to the applicable requirements of this regulation which have been included in this operating permit.

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)
5	Seven Golf Ball Paint Machines Model No. CNPB-3-7 including: All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed; All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.	118 dozen per minute	water curtain
12	Three Immersion Cold Cleaning Degreasers	N/A	none
14	Stealth Industries Contaminated Soil Venting System, Model No. Bobcat 350	N/A	Two catalytic oxidizers
15	Golf Ball Surface Treatment Line	N/A	none
17	Cleaver Brooks Model CBI #700-250-150, Natural Gas-Fired Boiler	250 horsepower 10.2 MMBtu/hr	Flue Gas Recirculation Low NOx Burners
19	Rubber Mixing/Compounding Process containing: hand mixing area, 75 liter kneader, barwell mill, extruder, two dusters and two work tables.	125 batches per day	Donaldson Oval Dust Collector, Model: Downflo Oval 4-16
20	Remote Reservoir Cold Cleaning Degreaser	N/A	none
21	Aqueous Degreaser	N/A	none
22	Onan 7.5 GenSet Propane-Fired Emergency Generator	10 horsepower	none
23	Cleaver Brooks Model: CB 700-100 Boiler	4.2 MMBtu/hr	none

Table 1 Notes:

MMBtu/hr = million British thermal units per hour

NOx = Nitrogen Oxides

N/A = Not Applicable

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 MassDEP'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. OPERATIONAL AND/OR PRODUCTION EMISSION LIMITS AND RESTRICTIONS

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

Table 3a

EU #	Fuel/Raw Material/	Pollutant	Operational and/or Production Limits	Emissions Limits/Standards ⁶	Applicable Regulation and/or Approval No
5	Paint and Cleanup Solvent ¹	VOC	No more than 500 gallons per month of protective coating shall be used (3 rd coating).	≤ 0.03 pound of VOC per dozen finished golf balls (averaged on a calendar month basis)	PA # 1-P-11-007
				≤ 5 tons per calendar month	
			No more than 2,800 gallons per year ² of protective coating shall be used (3 rd coating).	≤ 39 tons per year ²	
			None	≤1.5 tons per calendar month from miscellaneous activities ³	
		None	≤10 tons per year ² miscellaneous activities ³		
		None	≤ 3.0 pounds of VOC per hour at a production rate of 590 dozen balls per hour while producing golf balls	PA #1-P-09-011	
		HAP	None	≤ 0.26 pounds per pound of coating solids ⁽⁴⁾	40 CFR 63.4490(b)(3) and 63.4491(b)

Table 3b

EU #	Fuel/Raw Material/	Pollutant	Operational and/or Production Limits	Emissions Limits/Standards ⁶	Applicable Regulation and/or Approval No
12	Degreasing Solvent ¹	VOC	Each degreaser shall use less than 100 gallons of solvent per calendar month	None	Regulation 310 CMR 7.18(8)(a) Regulation 310 CMR 7.18(1) Regulation 310 CMR 7.03(8)
14	VOCs	VOCs	See Section 5. Special Terms and Condition Table 8.	System shall reduce VOCs in air effluent stream \geq 95% by weight	310 CMR 7.03(17)
15	Acetone	Acetone	None	\leq 10 ton/month \leq 65 tons per year ²	Approval #1-P-11-007
17	Natural Gas Only	NOx	None	\leq 0.0350 lb/MMBtu \leq 1.6 tons per year ²	Approval #1-P-11-011
		CO		\leq 0.080 lb/MMBtu \leq 3.6 tons per year ²	
		VOC		\leq 0.030 lb/MMBtu \leq 1.3 tons per year ²	
		PM		\leq 0.010 lb/MMBtu \leq 0.4 tons per year ²	
		Opacity		\leq 10% at any time	
		Smoke		No. 1 of "the Chart" no more than 6 minutes during any one hour, no time to exceed No. 2 of "the Chart"	
19	Zinc compound powders	PM	None	\leq 1 ton per year ²	Approval #1-P-11-003
		PM-10		\leq 1 ton per year ²	
		Opacity		No Visible Emissions at any time (other than water vapor or steam)	

Table 3c

EU #	Fuel/Raw Material/	Pollutant	Operational and/or Production Limits	Emissions Limits/Standards ⁶	Applicable Regulation and/or Approval No
20	Degreasing Solvent ¹	VOC	Each degreaser shall use less than 100 gallons of solvent per calendar month	None	Regulation 310 CMR 7.18(8)(a) Regulation 310 CMR 7.18(1) Regulation 310 CMR 7.03(8)
21	Aqueous Cleaner	VOC	Each degreaser shall use less than 100 gallons of solvent per calendar month	None	Regulation 310 CMR 7.18(8)(d) Regulation 310 CMR 7.18(1) Regulation 310 CMR 7.03(8)
22	Propane		See Section 5. Special Terms and Conditions, Table 8.		40 CFR Part 63, Subpart ZZZZ
		smoke	None	No. 1 of the Chart no more than 6 minutes during any one hour, at no time to exceed No. 2 of the Chart	Regulation 310 CMR 7.06(1)(a)
		Opacity	None	≤ 20%, except 20 to ≤ 40% for ≤ 2 minutes during any one hour	Regulation 310 CMR 7.06(1)(b)
23	Natural Gas	Particulate Matter	None	The natural gas-fired unit shall not exceed 0.10 lb/MMBtu	Regulation 310 CMR 7.02(8)(h)
		smoke	None	No. 1 of the Chart no more than 6 minutes during any one hour, at no time to exceed No. 2 of the Chart	Regulation 310 CMR 7.06(1)(a)
		Opacity	None	≤ 20%, except 20 to ≤ 40% for ≤ 2 minutes during any one hour	Regulation 310 CMR 7.06(1)(b)
Facility-wide	Any	VOC	None	6.5 tons per month 49 tons per year ²	1-P-11-007
	Natural Gas	Greenhouse gas ⁵		None	310 CMR 7.71 (state only)

Table 3d

EU #	Fuel/Raw Material/	Pollutant	Operational and/or Production Limits	Emissions Limits/Standards ⁶	Applicable Regulation and/or Approval No
Facility-wide		Total HAP	None	<25.0 tons per year in any 12 consecutive month period	40 CFR 63.6602 Table 2c
		Single HAP	None	<10.0 tons per year in any 12 consecutive month period	

NO_x = Nitrogen Oxides

CO = Carbon Monoxide

VOC = Volatile Organic Compounds

HAP = Hazardous Air Pollutant

PM = Total Particulate Matter

PM-10= Particulate Matter less than or equal to 10 microns in diameter

Opacity = exclusive of uncombined water vapor?

lb/MMBtu = pounds per million British thermal units

≤ = less than or equal to

< = less than

≥ = greater than or equal to

% = percent

Table 3 Foot Notes:

- (1) Petroleum hydrocarbon solvents only (containing no halogens)
- (2) Tons per year refers to the total tons emitted in any consecutive 12 month period.
- (3) Miscellaneous activities include cleaning, spray booth coating, spindle cleaning, liner/gun cleaning, and golf ball stamping.
- (4) Calculated as a rolling 12-month emission rate and determined on a monthly basis. The emission rate shall be determined in accordance with 40 CFR 63.4551(a) through (g). You must include all coatings (as defined in 40 CFR 63.4581), thinners and /or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in 40 CFR 63.4490.
- (5) Greenhouse Gas means any chemical or physical substance that is emitted into the air and that the department may reasonably anticipate will cause or contribute to climate change including, but not limited to, CO₂, CH₄, N₂O, SF₆, hydrofluorocarbons (HFCs), and perfluorocarbons (PFCs)
- (6) To calculate the amount of any consecutive 12 month period, take the current calendar month amount and add it to the previous 11 calendar months total amount.

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 4a	
EU#	Monitoring And Testing Requirements
5	<p>1. In accordance with Approval #1-P-11-007, the Permittee shall determine the following:</p> <ul style="list-style-type: none"> a. The type of coatings used in each machine each day; b. Gallons of each coating applied each day; c. The VOC content of the coatings used; d. The pounds of VOC emitted by the operation of golf ball painting machines each day; and e. The total pounds of VOC emitted from the spray booth envelope coating, paint spindle solvent use, paint liner and spray gun and line cleaning, and golf ball stamping associated with the operation of the existing machines each month.
	<p>2. In accordance with Approval #1-P-11-007, the Permittee shall track on a daily basis the use of all VOC containing materials, the VOC content of all coatings used, and the emissions of VOCs and HAPs into the ambient air, such that compliance with all of the emission limits can be determined.</p>
12	<p>3. In accordance with 310 CMR 7.18(8)(h), upon request by MassDEP, perform or have performed tests to demonstrate compliance. Testing shall be conducted in accordance with a method approved by MassDEP and EPA.</p>
14	<p>4. In accordance with 310 CMR 7.03(17)(b)1. and 2., the system shall be equipped with:</p> <ul style="list-style-type: none"> a. Interlock to prevent operation of the entire system without proper control device operation include, but not limited to, automatic shutoff if incinerator drops below normal operating temperature; b. inlet and outlet oxidizer temperature indicators.
17	<p>5. In accordance with 310 CMR 7.04(4)(a), inspect and maintain each boiler in accordance with the manufacturer's recommendations and test each boiler in accordance with the manufacturer's recommendations for efficient operation at least once in each calendar year.</p>
	<p>6. In accordance with 40 CFR 63.7500(a)(1) and 63.7515(e), the Permittee shall conduct a tune-up of each boiler annually as specified in 40 CFR 63.7540(a)(10). Each annual tune-up specified in 40 CFR 63.7540(a)(10) must be no more than 13 months after the previous tune-up.</p>
	<p>7. In accordance with 40 CFR 63.7540(a)(12), if EU #17 is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.</p>
	<p>8. In accordance with 40 CFR 63.7540(a)(10), the Permittee must conduct an annual tune-up of each boiler to demonstrate continuous compliance as specified below.</p> <ul style="list-style-type: none"> a. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, but you must inspect each burner at least one every 36 months); b. Inspect the flame pattern, as applicable and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available; c. Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available; d. Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made); and e. Maintain on-site and submit, if requested by the USEPA or MassDEP, an annual report containing the following information: <ul style="list-style-type: none"> i. The concentrations of carbon monoxide in the effluent stream in parts per million by volume, and oxygen in volume percent, measured before and after the adjustments of the boiler; ii. A description of any corrective actions taken as a part of the combustion adjustment; and iii. The type and amount of fuel used over the 12 months prior to the annual adjustment, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel use by each unit.

Table 4b

EU#	Monitoring And Testing Requirements
19	<p>9. In accordance with Approval #1-P-11-003 and the best available control technology provision of 310 CMR 7.02(8)(a)2., the Donaldson Oval Dust Collector, Model Downflo Oval4-16, or equivalent, associated with the rubber mixing/compounding process shall be equipped with instrumentation to continuously monitor the differential pressure across the dust collector.</p> <p>10. In accordance with Approval #1-P-11-003, the Permittee shall monitor the differential pressure across the dust collector at least once per operating shift while the rubber mixing/compounding process is operating.</p> <p>11. In accordance with Approval #1-P-11-003, the Permittee shall monitor the exhaust stack of the dust collector for any visible emissions from the dust collector at least once per operating shift while the rubber mixing/compounding process is operating to ensure that the dust collector is complying with the visible emission standards in Table 3 herein.</p>
20 21	<p>12. In accordance with 310 CMR 7.18(8)(h), upon request by MassDEP, perform or have performed tests to demonstrate compliance. Testing shall be conducted in accordance with a method approved by MassDEP and EPA.</p>
22	<p>13. In accordance with 40 CFR 63.6625(e)(3), and effective 10/19/2013, the permittee must operate and maintain EU #22 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.</p> <p>14. In accordance with 40 CFR 63.6625(f), and effective 10/19/2013, EU #22 shall be equipped with a non-resettable hour meter.</p> <p>15. In accordance with 40 CFR 63.6625(h), and effective 10/19/2013, the permittee shall 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.</p> <p>16. In accordance with 40 CFR 63.6625(j), and effective 10/19/2013, the permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d to 40 CFR Part 63 Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid 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 percent water content (by volume) is greater than 0.5. 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.</p>
23	<p>17. In accordance with 310 CMR 7.04(4)(a), inspect and maintain each unit with an individual heat input capacity of greater than or equal to 3 MMBtu/hr in accordance with the manufacturer's recommendations and tested for efficient operation once each calendar year.</p>

Table 4c

EU#	Monitoring And Testing Requirements
Facility -wide	<p>18. In accordance with 310 CMR 7.13 <u>Stack Testing</u>, conduct stack testing, upon written request of the MassDEP, for any air contaminant for which the MassDEP has determined testing is necessary, to ascertain compliance with the MassDEP's regulations or design approval provisos. All such testing shall be conducted in accordance with 310 CMR 7.13 (1) and (2), and in accordance with the applicable procedures specified in 40 CFR 60 Appendix A or other method if approved by the MassDEP and EPA.</p> <p>In accordance with 310 CMR 7.00 Appendix C(9)(b), any emission testing to demonstrate compliance with the allowable emission limits shall be in accordance with EPA Methods 1-5 for particulate matter, Method 7E for NOx, Method 10 for CO, and Method 9 for smoke/opacity, as specified in 40 CFR 60, Appendix A.</p> <p>19. The Permittee shall monitor operations such that information may be compiled for the annual preparation of a Source Registration/Emission Statement Form as required by 310 CMR 7.12.</p> <p>20. In accordance with 310 CMR 7.71(1) and Appendix C(9) establish and maintain data systems or record keeping practices (e.g. fuel use records, SF6 usage documentation, Continuous Emissions Monitoring System) for greenhouse gas emissions to ensure compliance with the reporting provisions of M.G.L. c. 21N, the Climate Protection and Green Economy Act, St. 2008, c. 298, § 6. (State only requirement)</p>

Table 4 Notes:

- EU # = Emission Unit
- NOx = Nitrogen Oxides
- CO = Carbon Monoxide
- VOC = Volatile Organic Compound
- HAP = Hazardous Air Pollutant
- CFR = Code of Federal Regulations
- EPA = Environmental Protection Agency
- MMBtu/hr = million British thermal units per hour

Table 5a

EU#	Recordkeeping Requirements
5	<p>1. In accordance with Approval #1-P-11-007, prepare and maintain daily records which shall include, but are not limited to:</p> <ul style="list-style-type: none"> a. identity, quantity, formulation and density of coating(s) used; b. identity, quantity, formulation and density of any diluents(s) and clean-up solvent(s) used; c. solids content of any coating(s) used; d. actual operational and emission characteristics of the coating line and any appurtenant emissions capture and control equipment; and e. quantity of product processed. <p>2. In accordance with 40 CFR 63.4530(a), the Permittee shall collect and keep a copy of each notification and report that you submitted to comply with 40 CFR Part 63 Subpart P, and the documentation supporting each notification and report.</p> <p>3. In accordance with 40 CFR 63.4530(b), the Permittee shall collect and keep a current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the mass fraction of coating solids for each coating. If you conducted testing to determine mass fraction of organic HAP, density, or mass fraction of coating solids, you must keep a copy of the complete test report. If you use information provided to you by the manufacturer or supplier of the material that was based on testing, you must keep the summary sheet of results provided to you by the manufacturer or supplier. You are not required to obtain the test report or other supporting documentation from the manufacturer or supplier.</p> <p>4. In accordance with 40 CFR 63.4530(c) (1) and(3), the Permittee shall collect and keep records for each compliance period which are:</p> <ul style="list-style-type: none"> a. a record of the coating operations on which you used each compliance option and the time periods (beginning and ending dates and times) for each option you used. (Compliance options are specified in 40 CFR 63.4491) b. a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of §63.4551 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4551(e)(4); the calculation of the total mass of coating solids used each month using Equation 2 of §63.4551; and the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.4551. <p>5. In accordance with 40 CFR 63.4530(d), the Permittee shall collect and keep a record of the name and mass of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If you are using the compliant material option for all coatings at the source, you may maintain purchase records for each material used rather than a record of the mass used.</p> <p>6. In accordance with 40 CFR 63.4530(e), the Permittee shall collect and keep a record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period.</p> <p>7. In accordance with 40 CFR 63.4530(f), the Permittee shall collect and keep a record of the mass fraction of coating solids for each coating used during each compliance period.</p> <p>8. In accordance with 40 CFR 63.4530(g), if you use an allowance in Equation 1 of §63.4551 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.4551(e)(4), the Permittee must keep records of the information specified in paragraphs (g)(1) through (3) of 40 CFR 63.4530.</p>

Table 5b

EU#	Recordkeeping Requirements
5	9. In accordance with 40 CFR 63.4530(h), the Permittee shall collect and keep a record of the date, time and duration of each deviation.
12	10. In accordance with 310 CMR 7.03(6), establish and maintain a recordkeeping system on-site and in sufficient detail to document the date of construction, substantial reconstruction or alteration and that the respective emission rates, operational limitations, equipment specifications and other requirements pursuant to 310 CMR 7.03 are met. All records shall be maintained up-to-date such that year-to-date information is readily available for Department examination.
	11. In accordance with 310 CMR 7.18(8)(g), prepare and maintain daily records sufficient to demonstrate continuous compliance. Records kept to demonstrate compliance shall be kept on site for three years and shall be made available to representatives of the Department and EPA in accordance with the requirements of an approved compliance plan or upon request. Such records shall include, but are not limited to: <ul style="list-style-type: none"> a. identity, quantity, formulation and density of solvent(s) used; b. quantity, formulation and density of all waste solvent(s) generated; c. actual operational and performance characteristics of the degreaser and any appurtenant emission capture and control equipment, if applicable; and d. any other requirements specified by the Department in any approval(s) and/or order(s) issued to the person.
14	12. In accordance with 310 CMR 7.03(6), the Permittee shall establish and maintain a recordkeeping system on-site and in sufficient detail to document the date of construction, substantial reconstruction or alteration and that the respective emission rates, operational limitations, equipment specifications and other requirements pursuant to 310 CMR 7.03 are met. All records shall be maintained up-to-date such that year-to-date information is readily available for examination.
	13. In accordance with 310 CMR 7.03(17)(d), sufficient records shall be prepared and maintained to demonstrate emissions compliance for each month. Records shall include, but are not limited to, the following, as applicable: <ul style="list-style-type: none"> a. Once per month, measurement of VOC concentration in air prior to control, and VOC concentrations after control; b. Once per month, measurement of overall VOC reduction efficiency of the air pollution control system in percent by weight; c. Maintenance records of the system; d. Monthly operating hours of the system; and e. Once per month, measurement of incinerator outlet temperatures.
	14. In accordance with 40 CFR 63.7881(c)(2), the permittee must prepare and maintain at your facility written documentation to support your determination that the total HAP quantity in your remediation materials for the year is less than 1 megagram. The documentation must include a description of your methodology and data used for determining the total HAP content of the remediation material.
15	15. In accordance with 310 CMR 7.00 Appendix C(10)(b), the permittee shall maintain comprehensive and accurate records onsite to demonstrate compliance with all emission limits contained in Table 3 above. Records shall also include the actual emissions of air contaminant(s) emitted for each calendar month and for each consecutive twelve month period (current month plus prior eleven months). These records shall be compiled no later than the 15 th day following each month.

Table 5c

EU#	Recordkeeping Requirements
17	<p>16. In accordance with 310 CMR 7.04(4)(a), maintain comprehensive and accurate records of the annual inspection, maintenance and testing and the date upon which it was performed. These said records shall be posted conspicuously on or near each unit.</p> <p>17. In accordance with Approval #1-P-11-011, the Permittee shall maintain comprehensive and accurate records for EU #17.</p> <ul style="list-style-type: none"> a. The results of routine maintenance activities (tune-ups, inspections, efficiency tests, etc.) on the boiler, including the type or a description of the maintenance performed and the date and time the work was completed. b. Fuel usage (natural gas) in cubic feet, plus fuel heating value and percent sulfur content, as certified by the fuel supplier. c. Annual emissions (12-month rolling totals) of NO_x, CO, VOC and PM. <p>18. In accordance with Approval #1-P-11-011, the Permittee shall maintain comprehensive and accurate records of all boiler malfunctions which changed the amount of air emissions, including:</p> <ul style="list-style-type: none"> a. The date and time a malfunction occurred; b. A description of the malfunction; c. The corrective actions taken; d. The date and time corrective actions were initiated; and e. The date and time corrective actions were completed and the facility returned to compliance. <p>19. In accordance with Approval #1-P-11-011, the Permittee shall maintain comprehensive and accurate records of all purchase order and invoices related to boiler operation.</p> <p>20. In accordance with 40 CFR 63.7555(a)(1), the Permittee shall keep a copy of each notification and report that was submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or annual compliance report that was submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).</p> <p>21. The Permittee shall comply with all applicable recordkeeping requirements contained in 40 CFR 60.48c.</p>
19	<p>22. In accordance with Approval #1-P-11-003, the Permittee shall maintain comprehensive and accurate records of:</p> <ul style="list-style-type: none"> a. the differential pressure across the dust collector at a minimum frequency of once per operating shift (in inches of water). b. the visible emission observation of the dust collector exhaust stack at a minimum frequency of once per operating shift. c. the date and time during which any visible emissions were seen as coming from the exhaust of the dust collector and the corrective actions taken to ensure the facility has returned to compliance. d. all inspection and maintenance activities for the dust collector including the replacement of filter cartridges.
20 21	<p>23. In accordance with 310 CMR 7.03(6), establish and maintain a recordkeeping system on-site and in sufficient detail to document the date of construction, substantial reconstruction or alteration and that the respective emission rates, operational limitations, equipment specifications and other requirements pursuant to 310 CMR 7.03 are met. All records shall be maintained up-to-date such that year-to-date information is readily available for Department examination.</p>

Table 5d

EU#	Recordkeeping Requirements
20 21	<p>24. In accordance with 310 CMR 7.18(8)(g), prepare and maintain daily records sufficient to demonstrate continuous compliance. Records kept to demonstrate compliance shall be kept on site for three years and shall be made available to representatives of the Department and EPA in accordance with the requirements of an approved compliance plan or upon request. Such records shall include, but are not limited to:</p> <ul style="list-style-type: none"> a. identity, quantity, formulation and density of solvent(s) used; b. quantity, formulation and density of all waste solvent(s) generated; c. actual operational and performance characteristics of the degreaser and any appurtenant emission capture and control equipment, if applicable; and d. any other requirements specified by the Department in any approval(s) and/or order(s) issued to the person.
22	<p>25. In accordance with 40 CFR 63.6655(a),(d), (e) and (f) and effective 10/19/2013, the permittee shall maintain comprehensive and accurate records of:</p> <ul style="list-style-type: none"> a. a copy of each notification and report that you submitted to comply with 40 CFR Part 63, Subpart ZZZZ, including all documentation supporting any initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv). b. the occurrence and duration of each malfunction of operation (i.e process equipment) or the air pollution control and monitoring equipment. c. performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(vii). d. all required maintenance performed on the air pollution control and monitoring equipment. e. actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 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. f. the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you. g. 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. h. 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 engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.
23	<p>26. In accordance with 310 CMR 7.04(4)(a), maintain comprehensive and accurate records of the annual inspection, maintenance and testing and the date upon which it was performed. These said records shall be posted conspicuously on or near each unit.</p>
Facility-wide	<p>27. In accordance with 310 CMR 7.00 Appendix C(10)(b), maintain records of all monitoring data and supporting information, including all stack test results and all ambient air quality modeling results, on-site for a period of at least five years from the date of the monitoring sample, measurement, report or initial operating permit application.</p> <p>28. In accordance with 310 CMR 7.00 Appendix C(10)(b), the permittee shall maintain comprehensive and accurate records onsite to demonstrate compliance with the facility-wide total and individual HAP emission limits contained in Table 3 above. Records shall also include the actual emissions of air contaminant(s) emitted for each calendar month and for each consecutive twelve month period (current month plus prior eleven months). These records shall be compiled no later than the 15th day following each month.</p> <p>29. In accordance with 310 CMR 7.12(3)(b), maintain copies of Source Registration and other information supplied to the Department to comply with 310 CMR 7.12, which shall be retained by the facility owner or operator for five years from the date of submittal.</p>

Table 5e	
EU#	Recordkeeping Requirements
Facility-wide	30. In accordance with 310 CMR 7.71 (6) b. and c. retain at the facility for five years and make available to the Department upon request copies of the documentation of the methodology and data used to quantify emissions. (State only requirement)

Table 5 Notes:

EU # = Emission Unit
NOx = Nitrogen Oxides
CO = Carbon Monoxide
VOC = Volatile Organic Compound
PM = Particulate Matter
HAP = Hazardous Air Pollutant
RICE= Reciprocating Internal Combustion Engine
CFR = Code of Federal Regulations
EPA = Environmental Protection Agency

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Table 6a

EU#	Reporting Requirements ⁽¹⁾
5	<p>1. In accordance with 1-P-11-007 and 40 CFR 63.4520, the Permittee shall submit to MassDEP semiannual reports by January 31st and July 31st of each year indicating its compliance status with emitting no more than 0.26 lb of HAP per pound of coating solids from its surface coating operations per calendar month based on a rolling 12 month period. The report shall contain the following information.</p> <ol style="list-style-type: none"> a. Company name and address. b. Statement by a responsible official with that official's name, title and signature, certifying the truth, accuracy and completeness of the content of the report c. Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. d. Identification of the compliance option or options specified in 40 CFR 63.4491 that you used on each coating operation during the reporting period. If you switched between compliance options during the reporting period, you must report the beginning and ending dates for each option you used. e. The calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period. f. If there were no deviations from the emission limitations in 40 CFR 63.4490 that apply to you, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period. g. If there was a deviation from the applicable emission limit in 40 CFR 63.4490, the semiannual compliance report must contain the following information: <ol style="list-style-type: none"> i. The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceed the applicable emission limit in 40 CFR 63.4490. ii. The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. You must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of §63.4551; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4551(e)(4). You do not need to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports). iii. A statement of the cause of each deviation.
12 14	<p>2. In accordance with 310 CMR 7.03(5) report to MassDEP any construction, substantial reconstruction or alteration, as described in 310 CMR 7.03, on the next required source registration.</p>
17	<p>3. In accordance with 40 CFR 63.7550(a), (b)(3) and (b)(4), the permittee shall submit an annual compliance report which must cover the applicable one year period from January 1 to December 31. Each annual compliance report must be postmarked no later than January 31,</p> <p>4. In accordance with 40 CFR 63.7550(a) and (c), the annual compliance report must contain the following information:</p> <ol style="list-style-type: none"> a. Company name and address. b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report. c. Date of report and beginning and ending dates of the reporting period. d. Include the date of the most recent tune-up for each unit. Include the date of the most recent burner inspection if it was not done annually and was delayed until the next scheduled unit shutdown e. If there are no deviations from the requirements for work practice standards in Table 3 of 40 CFR Part 63, Subpart DDDDD, that apply to the Permittee, a statement that there were no deviations from the work practice standards during the reporting period. f. If you have a deviation from a work practice standard during the reporting period, the report must contain the information in 40 CFR 63.7550(d).

Table 6b	
EU#	Reporting Requirements⁽¹⁾
17	5. The Permittee shall comply with all applicable reporting requirements contained in 40 CFR 60.48c.
20 21	6. In accordance with 310 CMR 7.03(5) report to MassDEP any construction, substantial reconstruction or alteration, as described in 310 CMR 7.03, on the next required source registration.
22	7. In accordance with 40 CFR 63.6603 and 63.6640, Footnote 2 of Table 2d, and effective 10/19/2013, if an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice as soon as practicable and the Federal, State or local law under which the risk was deemed unacceptable.
	8. In accordance with 40 CFR 63.6640(e) and effective 10/19/2013, the permittee shall report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you.
Facility-wide	9. Submit a Source Registration/Emission Statement Form to MassDEP on an annual basis as required by 310 CMR 7.12.
	10. In accordance with 310 CMR 7.13(1) and 7.13(2), if determined by the Department that stack testing is necessary to ascertain compliance with the Department's regulations or design approval provisos shall cause such stack testing to be summarized and submitted to the Department as prescribed in the agreed to pretest protocol.
	11. In accordance with 310 CMR 7.00 Appendix C(10)(a), submit to MassDEP any record relevant to this operating permit or to the emissions of any air contaminant from the facility within 30 days of the request by MassDEP or EPA.
	12. In accordance with 310 CMR 7.00: Appendix C(10)(c). the Permittee shall report a summary of all monitoring data and related supporting information to MassDEP at least every six months (January 30 and July 30 of each calendar year).
	13. Submit Annual Compliance report to MassDEP and EPA by January 30 of each year and as required by General Condition 10 of this Permit.
	14. In accordance with 310 CMR 7.71(5), by April 15 th , 2010 and April 15 th of each year thereafter report emissions of greenhouse gases from stationary emissions sources including, but not limited to, emissions from factory stacks, manufacturing processes and vents, fugitive emissions, and other process emissions; and owned or leased motor vehicles when stationary source greenhouse gas emissions are greater than 5,000 short tons CO ₂ e. Report greenhouse gas emissions electronically in a format that can be accommodated by the registry. (State only requirement)
	15. In accordance with 310 CMR 7.71(6), certify greenhouse gas emissions reports using a form provided by the Department or the registry. (State only requirement)
	16. In accordance with 310 CMR 7.71(7), by December 31 st of the applicable year submit to the Department documentation of triennial verification of the greenhouse gas emissions report. (State only requirement)

Table 6 Notes:

- EU # = Emission Unit
- CO₂e = Carbon Dioxide Equivalent
- HAP = Hazardous Air Pollutant
- CFR = Code of Federal Regulations
- EPA = Environmental Protection Agency

Table 6 Foot Notes:

(1) The annual Source Registration/Emission Statement report shall be submitted to the DEP office specified in the instructions. **All other reports, including both 6-month summary reports, are to be submitted to the Western Regional Office.**

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
40 CFR Part 63 Subpart T: National Emission Standards for Halogenated solvent Cleaning	Not Applicable
40 CFR Part 64: Compliance Assurance Monitoring	Not Applicable
310 CMR 7.25: Consumer and Commercial Products	Not Applicable

5. SPECIAL TERMS AND CONDITIONS

The Permittee is subject to and shall comply with the following special terms and conditions that are not contained in Table 3, 4, 5, and 6:

Table 8a	
Special Terms and Conditions	
5	<p>1. EU #5 is subject to the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products 40 CFR 63.4480 through 60.4581 and shall comply with all applicable requirements.</p> <p>2. In accordance with Approval #1-P-93-036, a water curtain shall be operated in conjunction with the paint machines during any time that coatings are being applied.</p>
12	<p>3. In accordance with 310 CMR 7.18(8)(a)3., ensure that each immersion cold cleaning degreaser complies with the following requirements</p> <ul style="list-style-type: none"> a. Each cold cleaning degreaser is equipped with a cover that is designed to be easily operated with one hand; b. Each cold cleaning degreaser is equipped to drain clean parts so that, while draining, the cleaned parts are enclosed for 15 seconds or until dripping ceases, whichever is longer; c. Each cold cleaning degreaser is designed with; <ul style="list-style-type: none"> i. A freeboard ratio of 0.75 or greater; or ii. A water blanket (only if the solvent used is insoluble in and heavier than water); or iii. An equivalent system of air pollution control which has been approved the Department and EPA; d. The covers of each cold cleaning degreaser are closed whenever parts are not being handled in the degreaser, or when the degreaser is not in use; and e. The drafts across the top of each cold cleaning degreaser are minimized such that when the cover is open the degreaser is not exposed to drafts greater than 40 meters per minute (1.5 miles per hour), as measured between one and two meters upwind at the same elevation as the tank lip. <p>4. In accordance with 310 CMR 7.18(1)(c), store and dispose of volatile organic compounds (VOCs) in a manner which will minimize evaporation to the atmosphere. Proper storage shall be in a container with a tight fitting cover. Proper disposal shall include incineration in an incinerator approved by MassDEP, transfer to another person licensed by MassDEP to handle VOC, or any other equivalent method approved by MassDEP.</p> <p>5. In accordance with 310 CMR 7.18(8)(a)1., use solvent in the cold cleaning degreaser which has a vapor pressure that does not exceed 1.0 mm Hg measured at 20 degrees Celsius. This requirement shall not apply to the following:</p> <ul style="list-style-type: none"> a. cold cleaning degreasers used in special and extreme solvent metal cleaning; b. cold cleaning degreasers for which the owner or operator has received Department approval of a demonstration that compliance with the requirement to use a solvent with a vapor pressure of 1.0 mm Hg or less at 20 degrees Celsius will result in unsafe operating condition; and c. cold cleaning degreasers that are located in a permanent total enclosure having control equipment that is designed and operated with an overall VOC control efficiency of 90% or greater. <p>6. In accordance with 310 CMR 7.18(8)(a)2., immediately repair any leaks, or the degreaser shall be shut down.</p>

Table 8b

Special Terms and Conditions

12	<p>7. In accordance with 310 CMR 7.18(8)(e)1. through 3, operate any solvent metal degreaser using procedures which minimize evaporative emissions and prohibit spills from the use of said degreaser. Such procedures include but are not limited to:</p> <ul style="list-style-type: none"> a. notification to operators of the performance requirements that must be practiced in the operation of the degreaser, including the permanent and conspicuous posting of labels in the vicinity of the degreaser detailing performance requirements; and b. storage of waste degreasing solvent in closed containers, and disposal or transfer of waste degreasing solvent to another party, in a manner such that less than 20% of the waste degreasing solvent by weight can evaporate in to the atmosphere; and c. where applicable, supplying a degreasing solvent spray which is a continuous fluid stream (not a fine, atomized or shower type spray) at a pressure which does not exceed ten pounds per square inch as measured at the pump outlet, and use any such spray within the confines of the degreaser. <p>8. In accordance with 310 CMR 7.18(8)(f), maintain instantaneous and continuous compliance at all times.</p>
14	<p>9. In accordance with 310 CMR 7.03(17)(b)1., the Soil Vapor Extraction System shall be equipped with an interlock to prevent operation of the entire system if the catalytic incinerator is not operating properly. Said interlock shall include, at a minimum, a device to automatically shut down the system if the incinerator temperature drops below its normal operating temperature.</p>
17	<p>10. EU #17 is subject to the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR Part 60.40c through 60.48c and shall comply with all applicable standards.</p> <p>11. EU #17 is subject to the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR Part 63.7480 through 63.7575 and shall comply with all applicable standards.</p> <p>12. In accordance with 40 CFR 63.7500 (a)(3), the Permittee must, at all times, operate and maintain each boiler, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the USEPA and MassDEP that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.</p> <p>13. In accordance with Approval #1-P-11-011, the Permittee shall configure each boiler stack to discharge stack gases vertically upwards.</p> <p>14. In accordance with Approval #1-P-11-011, the Permittee shall not have rain protection of a type that restricts the vertical exhaust flow of the combustion gases as they are emitted to the ambient air from each boiler stack.</p>
19	<p>15. In accordance with Approval #1-P-11-003 and the best available control technology provision of 310 CMR 7.02(8)(a)2, the Permittee shall keep on hand a sufficient quantity of spare cartridge filters for the dust collector associated with the rubber mixing/compounding process in order to be able to immediately replace any cartridge filters requiring replacement due to deterioration resulting from routine operation.</p> <p>16. In accordance with Approval #1-P-11-003, the rubber mixing/compounding process shall consist of a hand mixing area, a 75 liter kneader, a barwell mill, an extruder, two dusters and two work tables. Additionally, the kneader area, each duster and each work station shall be controlled by a Donaldson Oval Dust Collector, Model Downflo Oval 4-16, or equivalent. The dust collector shall be operated at all times during the operation of the rubber mixing/compounding process.</p>

Table 8c

Special Terms and Conditions

19	17. In accordance with Approval #1-P-11-003, the Donaldson Oval Dust Collector, Model Downflo Oval 4-16, or equivalent, shall have a minimum of the following collection/pickup points: <ul style="list-style-type: none"> • Two collection points at each duster • One collection point at each work table • Two collection points at the kneader
20	18. In accordance with 310 CMR 7.18(8)(a)3., ensure the remote solvent reservoir has an open drain area less than 100 square centimeters, otherwise the requirements of 310 CMR 7.18(8)(a)3.a.-e. shall apply.
	19. In accordance with 310 CMR 7.18(1)(c), store and dispose of volatile organic compounds (VOCs) in a manner which will minimize evaporation to the atmosphere. Proper storage shall be in a container with a tight fitting cover. Proper disposal shall include incineration in an incinerator approved by MassDEP, transfer to another person licensed by MassDEP to handle VOC, or any other equivalent method approved by MassDEP.
	20. In accordance with 310 CMR 7.18(8)(a)1., use solvent in the cold cleaning degreaser which has a vapor pressure that does not exceed 1.0 mm Hg measured at 20 degrees Celsius. This requirement shall not apply to the following: <ul style="list-style-type: none"> a. cold cleaning degreasers used in special and extreme solvent metal cleaning; b. cold cleaning degreasers for which the owner or operator has received Department approval of a demonstration that compliance with the requirement to use a solvent with a vapor pressure of 1.0 mm Hg or less at 20 degrees Celsius will result in unsafe operating condition; and c. cold cleaning degreasers that are located in a permanent total enclosure having control equipment that is designed and operated with an overall VOC control efficiency of 90% or greater.
	21. In accordance with 310 CMR 7.18(8)(a)2., immediately repair any leaks, or the degreaser shall be shut down.
20 21	22. In accordance with 310 CMR 7.18(8)(e)1. through 3, operate any solvent metal degreaser using procedures which minimize evaporative emissions and prohibit spills from the use of said degreaser. Such procedures include but are not limited to: <ul style="list-style-type: none"> a. notification to operators of the performance requirements that must be practiced in the operation of the degreaser, including the permanent and conspicuous posting of labels in the vicinity of the degreaser detailing performance requirements; and b. storage of waste degreasing solvent in closed containers, and disposal or transfer of waste degreasing solvent to another party, in a manner such that less than 20% of the waste degreasing solvent by weight can evaporate in to the atmosphere; and c. where applicable, supplying a degreasing solvent spray which is a continuous fluid stream (not a fine, atomized or shower type spray) at a pressure which does not exceed ten pounds per square inch as measured at the pump outlet, and use any such spray within the confines of the degreaser.
	23. In accordance with 310 CMR 7.18(8)(f), maintain instantaneous and continuous compliance at all times.
21	24. In accordance with 310 CMR 7.18(8)(d), any aqueous cleaner in which all the following conditions are satisfied is exempt from the requirements of 310 CMR 7.18(8)(a)(b), and (c): <ul style="list-style-type: none"> a. All organic material in the cleaning fluid is water soluble; and b. The cleaning fluid contains no more than 5% by weight organic material, excluding soaps.
5 17 22	25. EU # 5, is subject to the requirements of 40 CFR 63.1-10, 12-15, Subpart A, "General Provisions" [as indicated in Table"2" to Subpart PPPP of 40 CFR 63]. EU # 17 is subject to the requirements of 40 CFR 63.1-10, 12-15, Subpart A, "General Provisions" [as indicated in Table"10" to Subpart DDDDD of 40 CFR 63]. EU #22 is subject to the requirements of 40 CFR 63.1-10,12-15, Subpart A, "General Provisions" [as indicated in Table"8" to Subpart ZZZZ of 40 CFR 63]. Compliance with all applicable provisions therein is required.

Table 8d

Special Terms and Conditions

22	<p>26. In accordance with 40 CFR 63.6595(a)(1), the permittee shall comply with the applicable requirements of 40 CFR Subpart ZZZZ by no later than October 19, 2013.</p> <p>27. In accordance with 40 CFR 63.6603, Table 2d, and effective 10/19/2013, the permittee shall:</p> <ul style="list-style-type: none"> a. Change oil and filter every 500 hours of operation or annually, whichever comes first; b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary <p>Sources have the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement in Table 2d of 40 CFR Part 63 Subpart ZZZZ.</p> <p>28. In accordance with 40 CFR 63.6605(a) and (b), and effective 10/19/2013,</p> <ul style="list-style-type: none"> a. The permittee shall be in compliance with the emission limitations and operating limitations in this subpart that apply to you at all times. b. At all times the permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. <p>29. In accordance with 40 CFR 63.6640(a), Table 6, and effective 10/19/2013, the permittee shall continuously comply with the work or management practices as required by the following :</p> <ul style="list-style-type: none"> a. Operate and maintain EU#22 according to the manufacturer's emission-related operation and maintenance instructions; or b. Develop and follow 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.
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Table 8d

Special Terms and Conditions

22	<p>30. In accordance with 40 CFR 63.6640(f)(1)(i) through (iii), and effective 10/19/2013, operate the engine according to the conditions described in 40 CFR 63.6640(f)(1)(i) through (iii). If you do not operate the engine according to the requirements in 40 CFR 63.6640(f)(1)(i) through (iii), the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.</p> <p>a. There is no time limit on the use of emergency stationary RICE in emergency situations.</p> <p>b. You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. 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 year.</p> <p>c. You may operate your emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving 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; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by 40 CFR 63.6640 (f)(1)(iii), as long as the power provided by the financial arrangement is limited to emergency power.</p>
Facility-wide	<p>31. In accordance with 310 CMR 7.10, the Permittee shall not cause or allow emissions of sound of sufficient intensity and/or duration as to cause or contribute to a condition of air pollution. (State enforceable only)</p> <p>32. In accordance with 310 CMR 7.09, the Permittee shall not cause or allow emissions of odor or dust that cause or contribute to a condition of air pollution. (State enforceable only)</p> <p>33. The Permittee is subject to, and has indicated that the Permittee is in compliance with the requirements of 310 CMR 7.16: Reduction of Single Occupant Commuter Vehicle Use.</p> <p>34. The Permittee is subject to, and has stated in the initial Operating Permit application, TR#W150669, that the Permittee is in compliance with the requirements of 40 CFR 82: Protection of Stratospheric Ozone. These requirements are applicable to this facility and the United States Environmental Protection Agency enforces these requirements.</p>

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 Permittee did not request intra-facility emissions trading in its Operating Permit application.

B. INTER-FACILITY EMISSION TRADING

The Permittee did not request inter-facility emissions trading in its Operating Permit application.

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 MassDEP 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 MassDEP'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 Operating Permit. The report shall be postmarked or delivered by January 30 to the MassDEP 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:

- 1) the terms and conditions of the Permit that are the basis of the certification;
- 2) the current compliance status and whether compliance was continuous or intermittent during the reporting period;
- 3) the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
- 4) any additional information required by the MassDEP 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 MassDEP. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

- 1) the terms and conditions of the Permit that are the basis of the certification;
- 2) the current compliance status during the reporting period;
- 3) the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods;
- 4) whether there were any deviations during the reporting period;
- 5) if there are any outstanding deviations at the time of reporting, and the Corrective Action Plan to remedy said deviation;
- 6) whether deviations in the reporting period were previously reported;
- 7) if there are any outstanding deviations at the time of reporting, the proposed date of return to compliance;
- 8) if the deviations in the reporting period have returned to compliance and date of such return to compliance; and
- 9) any additional information required by the MassDEP 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 MassDEP 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 MassDEP 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:
- 1) the liability of the source for any violation of applicable requirements prior to or at the time of Permit issuance.
 - 2) the applicable requirements of the Acid Rain Program, consistent with 42 U.S.C. §7401, §408(a); or
 - 3) 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, 7.04(9), 7.05(8), 7.09 (odor), 7.10 (noise), 7.18(1)(b), 7.21, 7.22, 7.70 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 MassDEP, 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 MassDEP's receipt of a complete and timely application for renewal, this facility may continue to operate subject to final action by the MassDEP on the renewal application.

In the event the MassDEP 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 MassDEP 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 MassDEP and/or EPA. The responsible official of the facility may request that the MassDEP terminate the facility's Operating Permit for cause. The MassDEP 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 MassDEP'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 MassDEP 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 MassDEP a material error or omission in any records, reports, plans, or other documents previously provided to the MassDEP.

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 MassDEP.

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 MassDEP, 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 Operating Permit, including any amendments or attachments thereto, upon request by the MassDEP 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:

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.

- 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 MassDEP 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 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 supersede the following deviation reporting requirements, if applicable.

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

- A. 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.
- B. 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.
- C. Exceedances of Permit operational limitations directly correlated to excess emissions.
- D. 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.
- E. 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 MassDEP Bureau of Waste Prevention Air Operating Permit Reporting Kit, which is available to the Permittee via the MassDEP'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, fax or electronic mail (e-mail) 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 MassDEP 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.

28. OZONE DEPLETING SUBSTANCES

This section contains air pollution control requirements that are applicable to this facility, and the United States Environmental Protection Agency enforces these requirements.

- A. The Permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- 1) All containers containing a class I or class II substance that is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to 40 CFR 82.106.
 - 2) The placement of the required warning statement must comply with the requirements of 40 CFR 82.108.
 - 3) The form of the label bearing the required warning statement must comply with the requirements of 40 CFR 82.110.
 - 4) No person may modify, remove or interfere with the required warning statement except as described in 40 CFR 82.112.
- B. The Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVAC) in Subpart B:
- 1) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices of 40 CFR 82.156.
 - 2) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment of 40 CFR 82.158.
 - 3) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - 4) Persons disposing of small appliances, MVACs and MVAC-like appliances (as defined in 40 CFR 82.152) must comply with recordkeeping requirements of 40 CFR 82.166.
 - 5) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair equipment requirements of 40 CFR 82.156.
 - 6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- C. If the Permittee manufactures, transforms, imports or exports a class I or class II substance, the Permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, "Production and Consumption Controls".
- D. If the Permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, "Servicing of Motor Vehicle Air Conditioners". The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo or system used on passenger buses using HCFC-22 refrigerant.

- E. The Permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, "Significant New Alternatives Policy Program".

29. PREVENTION OF ACCIDENTAL RELEASES

This section contains air pollution control requirements that are applicable to this facility, and the United States Environmental Protection Agency enforces these requirements.

Your facility is subject to the requirements of the General Duty Clause, under 112(r)(1) of the CAA Amendments of 1990. This clause specifies that owners or operators of stationary sources producing, processing, handling or storing a chemical in any quantity listed in 40 CFR Part 68 or any other extremely hazardous substance have a general duty to identify hazards associated with these substances and to design, operate and maintain a safe facility, in order to prevent releases and to minimize the consequences of accidental releases which may occur.

APPEAL CONDITIONS FOR OPERATING PERMIT

This Permit is an action of the MassDEP. 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 MassDEP'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 MassDEP 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.