Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection
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FINAL 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"]:
United States Air Force
Hanscom Air Force Base
66 Air Base Group (66ABG/CEIE),
120 Grenier Street
Bedford, Massachusetts 01730-1910

INFORMATION RELIED UPON:
Application No. MBR-95-OPP-040R &
MBR-95-OPP-040RA
Transmittal No. W117284, X231755, X234170,
X252305, X224456 & X254602

FACILITY LOCATION:
Hanscom Air Force Base
66 Air Base Group (66ABG/CEIE),
120 Grenier Street
Bedford, Massachusetts 01730-1910

FACILITY IDENTIFYING NUMBERS:
AQ ID: 119-0499
FMF FAC NO.: 131339
FMF RO NO.: 52291

NATURE OF BUSINESS:
Air Force Base without a flying mission

Standard Industrial Classification (SIC): 9711
North American Industrial Classification System (NAICS): 928110

RESPONSIBLE OFFICIAL:
Name: Colonel Taona A. Enriquez
Title: Commander, 66th Air Base Group

FACILITY CONTACT PERSON:
Name: Ms. Renata Welch
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This Operating Permit shall expire on 2/27/2028 .

For the Department of Environmental Protection

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

Edward J. Braczyk
Permit Chief, Bureau of Air and Waste

2/27/2023
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

Hanscom Air Force Base is a base without a flying mission, the primary mission is research and development for electronic systems. The largest air pollution sources at the facility are fuel burning equipment, the most significant of which are four oil and natural gas burning boilers as well as several diesel-powered emergency generators. Hanscom Air Force Base is a major source due to the potential emissions of nitrogen oxides exceeding the 50 ton per year threshold for applicability to 310 CMR 7.00: Appendix C, Operating Permit and Compliance Program. The facility is not classified as a major source of hazardous air pollutants (HAP) because the facility-wide potential to emit is less than 10 tons per year for single HAP and 25 tons per year for total HAPs.

The Permittee operates four boilers (EU01, EU02, EU03, EU04) that are subject to Federal requirements at 40 CFR Part 63, Subpart JJJJJJ. These boilers were installed prior to June 4, 2010 are considered "existing" affected sources. The facility completed the one-time energy assessment on February 26, 2014, as required in §63.11201, §63.11214 and Table 2 to Subpart JJJJJJ.

The Permittee operates a total of fifteen emergency engines at Hanscom that are listed as emission units (EUs). Thirteen engines are subject to 40 CFR Part 63, Subpart ZZZZ, "National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines". Three engines (EU06, EU51, and EU53) that commenced construction prior to June 12, 2006 are considered "existing affected sources" and ten engines that commenced construction after June 12, 2006 are considered "new affected sources" under this regulation. The only requirement for the "new" engines under 40 CFR Part 63, Subpart ZZZZ is to satisfy the requirements of 40 CFR Part 60 subpart IIII (Ultra Low Sulfur Diesel-fired) for EU47, EU48, EU50, EU52, EU55, EU56, and EU57 or Subpart JJJJ (natural gas-fired) for EU49, EU54, and EU67. The "new" engines, excluding EU67 which is less than 37 KW, are also subject to 310 CMR 7.26(42) since they were installed after March 23, 2006 and were certified under the Environmental Results Program (ERP). One of the "existing" engines (EU06) is subject to 310 CMR 7.03(10). The other two "existing" engines (EU51 and EU53) are exempt from the plan approval requirement of 310 CMR 7.02 since they are less than 3 MMBTU/hour.

The Permittee operates seven emergency engines (EU47, EU48, EU50, EU52, EU55, EU56, and EU57) that are subject to 40 CFR Part 60, New Source Performance Standards, Subpart IIII "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines" and three engines (EU49, EU54, and EU67) that are subject to 40 CFR Part 60, New Source Performance Standards, Subpart JJJJ "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines".

The Permittee operates two emergency engines (EU45 and EU46) that are subject to 310 CMR 7.03(10) but are exempt from 40 CFR Part 63, Subpart ZZZZ due to the fact that they are operated at office buildings and can be considered commercial.

The Permittee operates fourteen emergency engines that are not included as EUs due to the fact that they are not subject to any state or federal regulation. They are not subject to 40 CFR Part 63, Subpart ZZZZ since they are operated at office buildings and are considered commercial. In addition, the heat input values for these fourteen emergency engines are below 3 MMBTU/hour each and the installation dates were prior to March 23, 2006, therefore, they are not subject to 310 CMR 7.02(8), 7.03(10), or 7.26(42).

The Permittee operates a Combined Heat and Power (CHP) system (EU69), incorporating a Solar Centaur 50 combustion turbine (CT) Model 50-T6200S with Heat Recovery Steam Generator (HRSG) and supplemental duct burner (DB) firing. The CT is producing a nominal 4.6 MW of electricity at full load, ISO conditions, and is equipped with both selective catalytic reduction for NOx control and oxidation catalyst for CO and VOC control. The combustion turbine is subject to 40 CFR Part 60, Subpart KKKK. The emission limitations listed in Table 3 below are more stringent than 40 CFR Part 60, Subpart KKKK.

The Permittee operates five underground storage tanks (EU11, EU12, EU61, EU62 and EU63) for gasoline dispensing that are subject to 310 CMR 7.24(3) and 40 CFR Part 63, Subpart CCCCCC. Stage I vapor recovery systems are installed on these EUs.

The Permittee operates a paint spray booth (EU68) for the maintenance of vehicles. It is subject to 310 CMR 7.03(16). The painting operations are exempt from 40 CFR Part 63, Subpart HHHHHH per 63.11169(d)(1).

40 CFR part 64 Compliance Assurance Monitoring (CAM) does not apply to the facility, since EU69 is subject to emission limitations or standards of 40 CFR Part 60 Subpart KKKK, which was proposed by EPA after November 15, 1990, in accordance with 40 CFR 64.2(b)(1)(i).

Facility requirements for applicable emission units are listed in the following tables: Table 3 states the emission limits and restrictions; Table 4 states the monitoring and testing requirements; Table 5 states the record keeping requirements; Table 6 states the reporting requirements; and Table 7 states regulations to which the facility is not subject.

The Permittee is subject to the requirement of Greenhouse Gas Emissions Reporting as defined by MassDEP in 310 CMR 7.71(3)(a). (State Only Requirement)

2. EMISSION UNIT IDENTIFICATION

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

Table 1

EU#	Description of EU	EU Design Capacity	Pollution Control Device (PCD)
EU01	E. Keller Dual-fired Boiler No. 1 (Heat Plant)	49.15 MMBtu per hour	None
EU02	Erie City Dual-fired Zurn Boiler No. 2 (Heat Plant)	49.15 MMBtu per hour	
EU03	Erie City Dual-fired Zurn Boiler No. 3 (Heat Plant)	49.15 MMBtu per hour	
EU04	Erie City Dual-fired Zurn Boiler No. 4 (Heat Plant)	49.15 MMBtu per hour	
EU06	Cummins Standby ULSD Generator, Building 1201	5.8 MMBtu/hr (600 kW)	
EU11	Underground Storage Tank and Fuel Dispensing, Regular Unleaded Gasoline, Building 1642	10,000 Gallons	Stage I Vapor Control System
EU12	Underground Storage Tank and Fuel Dispensing, Unleaded Plus Gasoline, Building 1642	10,000 Gallons	
EU45	Caterpillar Standby ULSD Generator, Building 1614W	5.082 MMBtu/hr (500 kW)	None
EU46	Kohler Standby ULSD Generator, Building 1614E	8.05 MMBtu/hr (810 kW)	
EU47	Kohler Standby ULSD Generator, Building 1435	5.152 MMBtu/hr (500 kW)	
EU48	Caterpillar Standby ULSD Generator, Building 1624	1.652 MMBtu/hr (150 kW)	
EU49	Kohler Standby NG Generator, Building 1505E	3.596 MMBtu/hr (400 kW)	
EU50	Cummins Standby ULSD Generator, Building 1305	1.638 MMBtu/hr (150 kW)	
EU51	Onan Standby ULSD Generator, Building 1200	0.6 MMBTU/hr (60 kW)	
EU52	Cummins Standby ULSD Generator, Building 1539	1.67 MMBTU/hr (175 kW)	
EU53	Onan Standby ULSD Generator, Building 1306	2.7 MMBTU/hr (275 kW)	
EU54	Kohler Standby NG Generator, Building 1505W	1.798 MMBtu/hr (200 kW)	
EU55	Cummins ULSD Standby Generator, Bldg 1607 A	14.98 MMBtu/hr (1,500 kW)	
EU56	Cummins ULSD Standby Generator, Bldg 1607 B	0.53 MMBtu/hr (50 kW)	
EU57	Kohler ULSD Standby Generator, Bldg 1646	3.12 MMBTU/hr (300 kW)	
EU58	Aqueous Cleaner Bldg 1722	5 Gallons	
EU59	Aqueous Cleaner Bldg 1642	5 Gallons	
EU60	Aqueous Cleaner Bldg 1827	25 Gallons	
EU61	Underground Storage Tank and Fuel Dispensing, Aviation Gasoline, Building 1722	10,000 Gallons	Stage I Vapor Control System
EU62	Underground Storage Tank and Fuel Dispensing, Regular Unleaded, Building 1709	14,000 Gallons	
EU63	Underground Storage Tank and Fuel Dispensing, Super Unleaded, Building 1709	10,000 Gallons	
EU67	Kohler Standby Natural Gas Generator, Bldg 1604	25 kW (0.25 MMBTU/hr)	NA
EU68	Paint Spray Booth	NA	Particulate Filter
EU69	Solar Centaur 50 CT and HRSG equipped with a 25 MMBtu/hr Duct Burner	63 MMBTU/hr and 25 MMBTU/hr	SCR and Oxidation Catalyst

Table 1 Key:

EU# = Emission Unit Number
MMBtu/hr = million British thermal units per hour
SCR = selective catalytic reduction
kW = kilowatt
NA = not applicable
PCD = Pollution Control Device
ULSD = ultra-low sulfur distillate
NG = natural gas
HRSG = Heat Recovery Steam Generator
EU = Emission Unit

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 3

EU#	Fuel/Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
EU01 EU02 EU03 EU04	Primary: natural gas Secondary: No. 6 Residual Oil with ≤ 0.5% S by weight	NO_x[1]	NA	Optimum values as determined by performance of adjustments & annual tune ups as required in 310 CMR 7.19(6)	310 CMR 7.19(6) MBR-85-COM-112
		CO[1]			
		PM	NA	≤0.10 lb/MMBtu	310 CMR 7.02(8)(h)
		S in Fuel		≤0.55 lb/MMBtu	MBR-85-COM-112
				≤0.28 lb/MMBtu (0.5% S by wt.)	310 CMR 7.05(1)(a) 1.: Table 1 On or after July 1, 2018
		HAPs	NA	At all times 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.	40 CFR Part 63, Subpart JJJJJJ, § 63.11205 §63.11201, and Table 2 Item 4 and §63.11223
				Conduct tune-up of boiler biennially as specified in	40 CFR Part 63, Subpart JJJJJJ § 63.11201, §63.11214, Table 2 and § 63.11223
EU06 EU45 EU46 EU47 EU48 EU50 EU51 EU52 EU53 EU55 EU56 EU57	ULSD	S in Fuel	NA	< 15 ppm (<0.0015% S by weight)	310 CMR 7.03(10) 310 CMR 7.05(1)(a)3 310 CMR 7.26 (42)
				Operational Requirements[2]	
EU06 EU51 EU53	ULSD	HAPs	Operation for maintenance checks and readiness testing is limited to no more than 100 hours per year and 50 hours per year non-emergency. [4]	Work or management practices[3]	40 CFR 63.6603(a) Table 2d, 40 CFR 63.6605, 40 CFR 63.6625(h) and Table 6 to Subpart ZZZZ of Part 63, item 9.

Table 3

EU#	Fuel/Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
EU11 EU12 EU61 EU62 EU63	Unleaded and aviation gasoline	VOC	Maintain and properly operate Stage 1 vapor recovery systems[5]	None	310 CMR 7.03(13) 310 CMR 7.24 (3)
		HAP	Restrict gasoline throughput to < 100,000 gallons per calendar month		40 CFR Part 63 Subpart CCCCCC
EU47 EU48 EU50 EU52 EU55 EU56 EU57	ULSD	HAPs	Operate only during emergency situations or for routine maintenance testing as recommended by the manufacturer. ≤ 100 hours of maintenance and testing operation during any 12-month period ≤ 50 hours of non-emergency operation during any 12-month period		40 CFR 60.4211(f) 40 CFR Part 60 Subpart IIII
EU58 EU59 EU60	Aqueous cleaner	VOC	Use less than 100 gallons of solvent per month per degreaser	All organic material in the cleaning fluid is water soluble; Cleaning fluid with ≤ 5% by weight organic material, excluding soaps	310 CMR 7.03(8) 310 CMR 7.18(8)(d)
EU49 EU54 EU67	Natural Gas	NO_x	Operate only during emergency situations or for routine maintenance testing as recommended by the manufacturer. ≤ 100 hours of maintenance and testing operation during any 12-month period ≤ 50 hours of non-emergency operation during any 12-month period	As Specified in Table 1 of Subpart JJJJ for the certified emissions life of the unit.	40 CFR Part 60 Subpart JJJJ
		CO			
		VOC			

Table 3					
EU#	**Fuel/Raw Material**	**Pollutant**	**Operational and/or Production Limits**	**Emissions Limits/Standards**	**Applicable Regulation and/or Approval No.**
EU47 EU48 EU49 EU50 EU52 EU54 EU55 EU56 EU57	Natural Gas/ULSD	CO, PM, NO_x	Operate only during emergency situations or for routine maintenance testing as recommended by the manufacturer. ≤ 100 hours of maintenance and testing operation during any 12-month period ≤ 50 hours of non-emergency operation during any 12-month period	Meet the emission limits for the Environmental Results Program	310 CMR 7.26 (42)
EU68	Coatings applied in paint spray booth	VOC	< 670 gallons of VOC containing compounds per month or < 2.5 tons VOC per month facility-wide	Coating formulation standards under 7.18(28)(c) and work practice standards. Meet spray gun and filter efficiency requirements under 7.03(16)(e), (f) and (g).	310 CMR 7.03(16) 310 CMR 7.18(28)
		Opacity	NA	0%	310 CMR 7.03(16)(j)

Table 3

EU#	Fuel/Raw Material	Pollutant	Operational and/or Production Limits	Emissions Limits/Standards			Applicable Regulation and/or Approval No.
				Pounds per hour combined max CT/DB		Tons per 12 month rolling period	
				CT ULSD/ DB NG	CT NG/DB NG		
EU69	Natural Gas, ULSD	NO_x[6]	1. CT - Natural gas with ≤720 hours per year ULSD back up 2. DB - Natural gas only 3. DB shall only operate when CT is operating	2.17 (CEMS)	0.66 (CEMS)	3.44	NE-16-019
		CO[6]		1.0 (CEMS)	0.4 (CEMS)	1.97	
		VOC[6]		0.87	0.62	2.80	
		SO2[6]		0.21	0.21	0.92	
		PM/PM_{10}/ $PM_{2.5}$[6] (total, including condensable)		2.71	1.2	5.80	
		NH_3[6]		0.24 (CEMS)	0.24 (CEMS)	1.05	
		CO_2		1650 pounds per MW-hour for the CT only		44,206	
		Opacity, Smoke		Not to exceed the limits contained in 310 CMR 7.26(43)(d)4., which references 310 CMR 7.06(1)(a) & (b)			
Facility -wide	All	Greenhouse Gas[7]	NA	NA			310 CMR 7.71 (State Only Requirement)
		Smoke		<No. 1 of Chart[8], except No.1 to < No. 2 of Chart for < = 6 minutes during any one hour			310 CMR 7.06(1)(a)
		Opacity		<20%, except 20% to < =40% for < =2 minutes during any one hour			310 CMR 7.06(1)(b)

Table 3 Key:

EU# = Emission Unit Number
NO_x = Nitrogen Oxides

CO = Carbon Monoxide
PM = Total Particulate Matter

PM_{10} = Particulate Matter less than or equal to 10 microns in diameter
$PM_{2.5}$ = Particulate Matter less than or equal to 2.5 microns in diameter
HAPs = Hazardous Air Pollutants
VOC = Volatile Organic Compound
SO_2 = Sulfur Dioxide
NH_3 = Ammonia
CO_2 = Carbon Dioxide

TPY = tons per consecutive12-month period [2]
lb/MMBtu = pounds per million British thermal
lbs/hr = pounds per hour
< = less than
≤ = less than or equal to
% = percent
ppmvd @ 3% O_2 = parts per million by volume, corrected to 3 percent oxygen
S = sulfur in fuel oil
CEMS = continuous emission monitoring system
NA = not applicable

Table 3 Foot Notes:

1. Compliance with emission limit(s)/standard(s) shall be based on a one-hour averaging time. Excludes start-up and shut down.

2. The engines shall operate only:
   a. for up to 100 hours per calendar year, or as otherwise approved by EPA, for maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine;
   b. as part of the 100 hours, for up to 50 hours per calendar year for nonemergency situations; and
   c. during an emergency.

3. In accordance with 40 CFR 63.6603 and Table 2d item 4 to Subpart ZZZZ of Part 63;
   i. change oil and filter every 500 hours of operation or annually, whichever comes first;
   ii. inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
   iii. inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

In accordance to Table 2d, footnote 2 of Part 63, Subpart ZZZZ, 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.

In accordance with 40 CFR 63.6605 (a), you must be in compliance with the emission limitations and operating limitations in this subpart that apply to you at all times. In accordance with 40 CFR 63.6605 (b), at all times you 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.

In accordance with 40 CFR 63.6625(h), you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

In accordance with Table 6 to Subpart ZZZZ of Part 63, item 9. Operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or 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 practices for minimizing emissions.

4. Emergency means an electric power outage due to failure of the grid, in whole or in part, on-site disaster, local equipment failure, flood, fire, or natural disaster. Emergency shall also mean when the imminent threat of a power outage is likely due to failure of the electrical supply.

5. Any owner/operator of a motor vehicle fuel dispensing facility who installs a Stage I system after January 2, 2015 shall install:
   a. A Stage I CARB EVR System in accordance with one of the Executive Orders listed in 310 CMR 7.24(3)(c)1.: Table 1; or
   b. A Stage I Component EVR System in accordance with the applicable Executive Orders listed in 310 CMR 7.24(3)(c)1.: Table 1. and manufacturers' guidance;
   c. Submerged fill pipes so that the discharge point is entirely submerged when the liquid level is six inches above the bottom of the tank; and
   d. A dual-point Stage I system.

6. Short-term limits based on maximum combined emissions. Annual limit based on 12-month rolling average. ULSD/NG = CT firing ULSD and HRSG firing NG. NG = both components firing natural gas.

7. Greenhouse Gas means any chemical or physical substance that is emitted into the air and that MassDEP may reasonably anticipate will cause or contribute to climate change including, but not limited to: carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O), sulfur hexafluoride (SF6), hydrofluorocarbons (HFCs), and perfluorocarbons (PFCs).

8. Chart means the Ringelmann Scale for grading the density of smoke, as published by the United States Bureau of Mines and as referred to in the Bureau of Mines Information Circular No. 8333, or any smoke inspection guide approved by MassDEP.

B. COMPLIANCE DEMONSTRATION

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

Table 4

EU#	Monitoring and Testing Requirements
EU01 EU02 EU03 EU04	1. In accordance with 310 CMR 7.04(2)(a), no person shall cause, suffer, allow, or permit the burning of any grade oil or solid fuel in any fuel utilization facility having an energy input capacity rated by MassDEP equal to or greater than 40 MMBtu per hour, unless such facility is equipped with a smoke density sensing instrument and recorder which are properly maintained in an accurate operating condition, operates continuously and is equipped with an audible alarm to signal the need for combustion equipment adjustment or repair when the smoke density is equal to or greater than No. 1 of the Chart. Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., the use of Continuous Opacity Monitoring Systems (COMS) equipped with audible alarms and recorders that signal the need for combustion equipment adjustment or repair when the Opacity is equal to or greater than 20 percent shall constitute compliance with this requirement. The Opacity COMS shall meet Performance Specification 1 of 40 CFR Part 60, Appendix B.
	2. Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., opacity shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 in the event of COMS malfunction. This method shall also apply to any detached plumes.
	3. In accordance with 310 CMR 7.04(4)(a), inspect and maintain fuel utilization facility in accordance with manufacturer's recommendations and test for efficient operation at least annually.
	4. Conduct annual tune-ups in accordance with 310 CMR 7.19 (6)(a), and in accordance with 310 CMR 7.19(6)(b), verify that settings determined during tune-ups have not changed at least once per month.
	5. As required in § 63.11201, §63.11214 and Table 2 to Subpart JJJJJJ, conduct tune-up of boiler biennially as specified in § 63.11223(b)(1) through (7). Also, in accordance with 40 CFR Part 63, Subpart JJJJJJ, §63.11223(b)(5), measure the concentration in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the required biennial tune-up. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up.
EU06 EU45 EU46 EU47 EU48 EU49 EU50 EU52 EU54 EU55 EU56 EU57	6. Monitor fuel usage and hours of operation to demonstrate compliance with requirements listed in 310 CMR 7.03(10) and 310 CMR 7.26(42).
EU11 EU12 EU61 EU62 EU63	7. Perform Compliance Testing and Certification Requirements in accordance with 310 CMR 7.24 (3) (e) 1 (a). a. for all Stage I systems: i. Pressure Decay 2-inch Test, per CARB test procedure TP-201.3; ii. Vapor Tie Test, per San Diego Air Pollution Control District test procedure TP-96-1, section 5.1.9; iii. Pressure/Vacuum Vent Valve Test, per CARB test procedure TP-201.1E; iv. Static Torque Rotatable Adaptor Test per CARB test procedureTP-201.1B; and v. for Stage I Enhanced Vapor Recovery Systems only, either Leak Rate of Drop Tube/Drain Valve Assembly Test per CARB Test Procedure TP-201.1 C or Leak Rate of Drop Tube/ Overfill Prevention Devices per CARB Test Procedure TP-201.1D

Table 4	
EU#	**Monitoring and Testing Requirements**
EU11 EU12 EU61 EU62 EU63	8. Conduct operation and maintenance requirements in accordance with 310 CMR 7.24(3)(c): a. for a Stage I Non-Enhanced Vapor Recovery System, all terms, and conditions of the applicable Executive Order in accordance with 310 CMR 7.24(3)(c)1. Table 1.; or b. for a CARB certified Stage I Enhanced Vapor Recovery System, all terms, and conditions of the applicable Executive Order in accordance with 310 CMR 7.24(3)(c)1: Table 1.and manufacturer's guidance; or c. for a third-party certified system, all terms, and conditions of the third-party certification in accordance with 310 CMR 7.24(3)(c)1.
	9. Conduct testing in accordance with 310 CMR 7.24(3)(e) 1., of vapor recovery system to determine compliance with the requirements of 310 CMR 7.24(3)(b) prior to commencing operation and submit to MassDEP within 7 days the Installation Certification.
	10. Any owner/operator of a motor vehicle fuel dispensing facility shall visually inspect or cause to be visually inspected the Stage I system once every seven days to determine that the system and its components are unbroken, correctly installed and functioning per 310 CMR 7.24 (d)(2). Each visual inspection shall include, but not be limited to, inspection of coaxial adaptors; dry breaks; fill caps and gaskets; vapor recovery caps and gaskets; spill containment boxes; and drain valves and pressure vent valves: Visual inspections shall be performed only by a person who is trained to operate and maintain the Stage I system pursuant to the applicable manufacturers' guidance.
	11. In accordance with 310 CMR 7.24(3)(e) 10., any owner/operator of a motor vehicle fuel dispensing facility upon written notice from the Department, shall perform such compliance tests as the Department determines necessary to demonstrate the Stage I system is installed and maintained in accordance with the applicable Executive Orders and manufacturer's guidance and shall submit the results to the Department within 14 days of the performance test.
	12. In accordance with 310 CMR 7.24(3)(e)11., compliance tests performed to meet the requirements of 310 CMR 7.24(3)(e)(1) shall be performed only by a compliance testing company that has submitted a Compliance Testing Company Notification to the Department as required by 310 CMR 7.24(3)(h)1.
EU47 EU48 EU49 EU50 EU52 EU54 EU55 EU56 EU57	13. In accordance with 310 CMR 7.26(42)(e)2., MassDEP may require emission or other monitoring to assure compliance with the requirements of 310 CMR 7.26(42).
	14. In accordance with 310 CMR 7.26(42)(e)3., any testing when required shall comply with the following: a. Tests to certify compliance with emission limitations must be performed in accordance with EPA reference Methods, California Air Resources Board Methods approved by EPA, or equivalent methods as approved by MassDEP and EPA. b. Particulate matter from liquid fuel reciprocating engines shall be determined using Method 8178 D2 of the International Organization for Standardization. c. Testing shall be conducted at the full design load of the emergency engine.
	15. Monitor operations such that records can be maintained for the monthly hours of operation, fuel type, heating value and sulfur content for fuel oil of each engine in accordance with 310 CMR 7.26(42)(f).
	16. A non-turn-back hour counter shall be installed, operated, and maintained in good working order as referenced in Regulation 310 CMR 7.26(42)(d)1.
EU47 EU48 EU50 EU52 EU55 EU56 EU57	17. In accordance with 40 CFR 60.4209, if you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.
EU06 EU51 EU53	18. Monitor operations to ensure compliance with applicable sections of 40 CFR Part 63, Subpart ZZZZ, as included in Tables 5 and 6 and the Special Terms and Conditions of this Permit.
	19. In accordance with 40 CFR 63.6625(e), the Permittee must operate and maintain the stationary RICE 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 for minimizing emissions.
	20. In accordance with 40 CFR Part 63, Subpart ZZZZ, Section 63.6625(f) ensures that a non-resettable hour meter is installed on each of the subject engines.

Table 4	
EU#	**Monitoring and Testing Requirements**
EU06 EU51 EU53	21. In accordance with 40 CFR 63.6625(h), monitor operations such that 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.
	22. Monitor operations as referenced in 40 CFR Part 63, Subpart ZZZZ Section 63.6640 (f)(2)(i), such that maintenance checks and readiness testing is limited to 100 hours per year per emission unit (EU).
EU58 EU59 EU60	23. In accordance with 310 CMR 7.03(8) and 310 CMR 7.18(8)(g), monitor the amount of solvent(s) used and all work practices pertaining to degreasing activities.
	24. In accordance with 310 CMR 7.18(8)(h), upon request of the Department, perform or have performed tests to demonstrate compliance with 310 CMR 7.18(8). Testing shall be conducted in accordance with a method approved by the Department and EPA.
EU49 EU54 EU67	25. In accordance with §60.4237, install a non-resettable hour meter and monitor hours of operation.
EU68	26. In accordance with 310 CMR 7.18(28)(l), upon request of the MassDEP, perform or have performed tests to determine compliance with 310 CMR 7.18(28). Testing shall be conducted in accordance with EPA Method 24 and/or Method 25 as described in 40 CFR Part 60, or by other methods approved by the MassDEP and USEPA.
EU69	27. In accordance with NE-16-019, Table 3, No. 1, the Permittee shall monitor fuel oil purchases such that only fuel oil containing a sulfur content no greater than 0.0015 percent by weight is purchased for use in the CT.
	28. In accordance with NE-16-019, Table 3, No. 2, The Permittee shall install, calibrate, and maintain the continuous emissions monitoring equipment required pursuant to 40 CFR 60, New Source Performance Standards (NSPS), Subpart KKKK, and Monitoring of Operations for Stationary Gas Turbines, as applicable.
	29. In accordance with NE-16-019, Table 3, No. 4, the Permittee shall accommodate the emissions testing requirements as stipulated in 40 CFR Part 60, Appendix A or the latest test methods recommended by USEPA. Two outlet sampling ports (90 degrees apart from each other) in the common stack must be located at a minimum of one duct diameter upstream and two duct diameters downstream of any flow disturbance.
	30. In accordance with NE-16-019, Table 3, No. 5, the Permittee shall install, operate, and maintain a continuous emissions monitoring system (CEMS) and monitor NOx, CO, NH_3 and oxygen (as reference gas). The Permittee shall provide CEMS audit sample points/lines, which will permit the use of audit gas samples to challenge the sample acquisition system and analytical hardware of the CEMS. The Permittee shall use MassDEP approved equipment for the CEMS equipment. The Permittee shall comply with the quality assurance and quality control measures as specified in 40 CFR 60, Appendix F.
	31. In accordance with NE-16-019, Table 3, No. 6, the Permittee shall comply with reporting requirements specified in 40 CFR 60, Appendix F. The Permittee shall maintain on-site or readily available adequate supply of spare parts to maintain its CEMS and its air Pollution control system.
	32. In accordance with NE-16-019, Table 3, No. 7, the Permittee shall use and maintain its CEMS as "direct-compliance" monitors to measure NOx, CO, NH_3, against the permit limitations in Table 3. Oxygen or CO_2 shall be continuously monitored to correct ppmvd to 15% O_2. "Direct-compliance" monitors generate data that legally documents the compliance status of a source. MassDEP will utilize the data generated by these direct-compliance monitors for compliance and enforcement purposes.
	33. In accordance with NE-16-019, Table 3, No. 8, the Permittee shall develop quality assurance/quality control (QA/QC) program for the long-term operation of the CEMS.

Table 4	
EU#	**Monitoring and Testing Requirements**
EU69	34. In accordance with NE-16-019, Table 3, No. 9, the Permittee shall install and operate a +/- 5% accuracy system fuel meter and recorder.
	35. In accordance with NE-16-019, Table 3, No. 10, the Permittee shall install and operate continuous sensors and alarm systems to monitor temperatures at the inlet of the SCR/CO oxidation catalyst air pollution control system.
	36. In accordance with NE-16-019, Table 3, No. 11, the Permittee shall install, calibrate, test, and operate a Data Acquisition and Handling System(s) (DAHS) for the CEMS to measure air pollution control system operating parameters and the following emissions. a. Oxygen (O_2) or CO_2 b. Oxides of Nitrogen (NOx) c. Carbon Monoxide (CO) d. Ammonia (NH_3)
Facility-wide	37. Permittee shall conduct emissions compliance testing in accordance with 310 CMR 7.13, and 40 CFR Part 60, Appendix A, if and when requested by MassDEP and/or EPA.
	38. In accordance with NE-16-019, Table 3, No. 13, the Permittee shall monitor all operations to ensure sufficient information is available to comply with 310 CMR 7.12 Source Registration.
	39. In accordance with NE-16-019, Table 3, No. 15, at least 30 days prior to emission testing, the Permittee shall submit a stack emission pretest protocol to MassDEP, BAW Permit Chief for approval.
	40. In accordance with NE-16-019, Table 3, No. 16, within 45 days after emission testing, the Permittee shall submit a final stack emission test results report to MassDEP, BAW Permit Chief.
	41. Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor sulfur content of each new shipment of fuel received. Compliance with 310 CMR 7.05(1)(a) for sulfur content of the fuel can be demonstrated through fuel analysis. The analysis of sulfur content of the fuel shall be in accordance with the applicable ASTM test methods, or any other methods approved by MassDEP and EPA. Fuel sulfur information may be provided by fuel suppliers.
	42. In accordance with 310 CMR 7.71(1) and Appendix C (9), the Permittee shall establish and maintain data systems or record keeping practices (e.g., fuel use records, SF_6 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)

Table 4 Key*:*

EU# = Emission Unit Number
NO_x = Nitrogen Oxides
CO = Carbon Monoxide
NH_3 = Ammonia
SCR = selective catalytic reduction
% = percent
CO_2 = Carbon Dioxide

Table 5	
EU#	**Record Keeping Requirements**
EU01 EU02 EU03 EU04	1. In accordance with 310 CMR 7.19(6)(b), maintain records of tune-ups, including: date of tune-up, person(s) conducting tune-up, O_2/smoke spot correlations obtained during tune-up, boiler/burner manufacturer's recommended set points, final set points as a result of tune-up, normal boiler/burner maintenance records.
	2. In accordance with 310 CMR 7.04(2)(a), maintain records of Smoke Density Indicator Recording Charts. The keeping of COMS records shall constitute compliance with this requirement.
	3. Consistent with the requirements of 310 CMR 7.04(2)(a), record opacity determined in accordance 40 CFR Part 60, Appendix A, Method 9 in the event of COMS malfunction. This method shall also apply to any detached plumes.
	4. In accordance with 310 CMR 7.04(4)(a), maintain results of fuel utilization facility inspection, maintenance, and testing and the date upon which it was performed posted conspicuously on or near the facility.
	5. Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., record unit parameters, as necessary, to ensure continuous compliance with PM emission limits.
EU06 EU45 EU46 EU47 EU48 EU49 EU50 EU52 EU54 EU55 EU56 EU57	6. Monitor to ensure that the following records are maintained for each unit as required in 310 CMR 7.03(10) and 310 CMR 7.26(42) (f): information of equipment type, make and model, and maximum power input/output; and monthly logs of hours of operation, including date, time and duration of operation and reason for each start, fuel type and supplier, and purchase orders, invoices, and other documents to support information in the monthly log.
EU47 EU50 EU52 EU55 EU57	7. Pursuant to § 60.4214(b), starting with the model years in table 5 to subpart IIII, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.
EU11 EU12 EU61 EU62 EU63	8. Maintain records of all persons trained to operate and maintain Stage I systems on site, including the date training was last received and the trainee's printed name and signature acknowledging receipt of the training in accordance with 310 CMR 7.24(3)(d)2. b.
	9. Maintain records of all weekly visual inspections of Stage I system, and all maintenance performed for the most recent rolling 12-month period in accordance with 310 CMR 7.24(3)(d)5. At minimum, this shall include: a. The date each inspection was performed and the name and signature of the person who performed the inspection; b. Any Stage I system component determined to be incorrectly installed, non-functioning or broken; c. Whether any incorrectly installed, non-functioning or broken component was immediately repaired or replaced within 30 days, or whether the transfer of motor vehicle fuel into the motor vehicle fuel storage tank was prohibited until the component was repaired or replaced; and d. The date the incorrectly installed, non-functioning or broken component was repaired or replaced.

Table 5	
EU#	**Record Keeping Requirements**
EU11 EU12 EU61 EU62 EU63	10. In accordance with 310 CMR 7.24(3)(d)6, retain on-site in a centralized location in either hard copy or electronic format, the following records: a. All of the visual inspection checklists for the prior rolling 12-month period identifying: i. the date each inspection was performed and the signature of the person who performed the inspection. ii. any Stage I System component determined to be incorrectly installed, non-functioning or broken; iii. whether the identified incorrectly installed, non-functioning or broken component was immediately repaired, or repaired within 30 days, or if the facility stopped receiving deliveries of motor vehicle fuel; and iv. the date the incorrectly installed, non-functioning or broken component was repaired. b. A copy of compliance testing company test results for compliance tests performed during the prior rolling 12-month period. c. A copy of the Stage I system's most recent In-use Compliance Certification in accordance with 310 CMR 7.24(3)(e)4., or, if more recent, a copy of the Stage I system's Installation/Substantial Modification Certification in accordance with 310 CMR 7.24(3)(e)3. d. The date and type of Stage I Routine Maintenance performed in the most recent rolling 12-month period in accordance with 310 CMR 7.24(3)(e)2. a.
	11. In accordance with 310 CMR 7.24(3)(d)7, all records required to be maintained shall be made available to the Department and the USEPA immediately upon request. If requested records cannot be made immediately available, requested records shall be delivered to MassDEP and the USEPA, as applicable, within 7 business days of the initial request.
	12. In accordance with 40 CFR 63.11117(d), have records available within 24 hours of a request by MassDEP or EPA to document a gasoline throughput of < 100,000 gallons per calendar month.
	13. In accordance with 40 CFR 63.11125(d), records shall be kept as specified below: a. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. b. Records of the actions taken during periods of malfunction to minimize the emissions in accordance with 63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
EU06 EU51 EU53	14. In accordance with 40 CFR 63.6655(a), keep the following records (1) a copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, (2) records of the occurrence and duration of each malfunction of operation or the air pollution control and monitoring equipment, (3) records of performance tests and performance evaluations, (4) records of all required maintenance performed on the air pollution control and monitoring equipment, and (5) records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
	15. In accordance with 40 CFR 63.6655(e), keep records of the maintenance conducted on the EU.
	16. In accordance with 40 CFR 63.6655(f), keep records of the hours of operation of each subject EU that is recorded through the non-resettable hour meter. The Permittee 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.
EU58 EU59 EU60	17. In accordance with 310 CMR 7.18(8)(g), prepare and maintain daily records sufficient to demonstrate continuous compliance. Such records shall include, but are not limited to: 1. identity, quantity, formulation and density of solvent(s) used; 2. quantity, formulation and density of all waste solvent(s) generated; 3. actual operational and performance characteristics of the degreaser and any appurtenant emissions capture and control equipment, if applicable; and 4. any other requirements specified by the Department in any approval(s) and/or order(s) issued to the person.
	18. In accordance with 310 CMR 7.03(8), maintain monthly records sufficient to demonstrate compliance status with solvent usage rate.

Table 5	
EU#	**Record Keeping Requirements**
EU01 EU02 EU03 EU04	19. Maintain records of the performance tune-up required by 40 CFR 63.11214(b), such that compliance with this regulation may be demonstrated and the required reporting may be submitted. 20. In accordance with 40 CFR 63.11223(b)(6), maintain onsite tune-up report containing the following information; (i) the concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler, (ii)a description of any corrective actions taken as a part of the tune-up of the boiler, and (iii) the type and amount of fuel used over the 12 months prior to the tune-up of the boiler. 21. In accordance with 40 CFR 63.11223(a), keep records as required in §63.11225(c). 22. In accordance with 40 CFR 63.11225(c), maintain records of the following information: (1) keep a copy of each notification and report that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted; (2) records to document conformance with the work practices, emission reduction measures, and management practices required by §63.11214 as specified in the following; i. records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specification to which the boiler was tuned, and ii. records documenting fuel type(s) used monthly by each boiler, including but not limited to, a description of the fuel, including whether the fuel has received a non-waste determination by you or EPA, and the total fuel usage amount with units of measure. iii. records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. iv. records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in §63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.
EU49 EU54 EU67	23. In accordance with §60.4245 (a) 1 through 4, the owner and operator must keep records of maintenance, notifications, and records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation; including what classified the operation as emergency and how many hours are spent for non-emergency operation.
EU68	24. In accordance with 310 CMR 7.03(16), prepare and maintain sufficient records to demonstrate compliance for each calendar month. Such records shall include, but are not limited to: a. For each coating, as applied: i. Gallons of coating used; ii. Coating density (Pounds per gallon); iii. Pounds of VOC per gallon of coating; iv. Pounds of solids per gallon of coating; v. Pounds of water per gallon of coating; vi. Pounds of other non-VOC liquid per gallon of coating; and vii. Pounds of VOC per gallon of solids as applied; b. Gallons of exempt/non-compliance coatings used; c. Gallons of cleanup solution and pounds VOC per gallon; and d. Maintenance records of filter pad replacement and disposal.

Table 5	
EU#	**Record Keeping Requirements**
EU69	25. In accordance with NE-16-019, Table 4, No. 1, the Permittee shall comply with all applicable record keeping requirements of the federal regulation 40 CFR 60, Subpart KKKK, such as written advance notification of start-up, post-notification of actual start-up and calendar quarter excess emissions reports. The Permittee shall add the new CHP system to its existing record keeping system at the Permittee Facility. Relevant records shall be maintained such that year-to-date and rolling annual average information is readily available for review by MassDEP personnel. Record keeping shall, at a minimum, include: • fuel consumption of the EU-69 regulated fuel-burning units; • hours of operation of the EU-69 regulated fuel-burning units; • daily, monthly, and 12-month rolling; cumulative emissions of NOx and CO; and • all other data necessary to demonstrate compliance emissions limits contained in Table 2 of NE-16-019.
	26. In accordance with NE-16-019, Table 4, No. 2, the Permittee shall maintain adequate records on-site to demonstrate compliance status with all operational, production, and emission limits contained in Table 2 of NE-16-019. 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. An electronic version of the MassDEP approved record keeping form, in Microsoft Excel format, can be downloaded at MassDEP Facility-Wide Emission Restrictions, Caps & Reporting | Mass.gov.
	27. In accordance with NE-16-019, Table 4, No. 3, the Permittee shall record with the fuel meter the hourly and totalized amount of fuel(s) combusted within the CT and DB.
	28. In accordance with NE-16-019, Table 4, No. 4, the Permittee shall maintain all records generated by its Data Acquisition and Handling System(s) (DAHS) for the CEMS, including associated air pollution control system operating parameters and the following emissions from the CHP system: a) Oxygen (O_2) b) Oxides of Nitrogen (NOx) c) Carbon Monoxide (CO) d) Ammonia (NH_3)
	29. In accordance with NE-16-019, Table 4, No. 5, all periods of excess emissions from emergency/malfunction or startup/shutdown, shall be quantified and included by The Permittee in the determination of rolling 12-month period emissions and compliance with the rolling 12-month period emission limitations as stated in Table 2 of NE-16-019. ("Excess Emissions" are defined as emissions, which are in excess of the short-term emission limitations as stipulated in Table 2 of NE-16-019).
	30. The Permittee shall maintain records of monitoring and testing as required by Table 3 of NE-16-019.
	31. In accordance with NE-16-019, Table 4, No. 7, the Permittee shall maintain a copy of this Plan Approval, underlying Application and the most up to date SOMP for the EU(s) and PCD(s) approved herein on-site.
	32. In accordance with NE-16-019, Table 4, No. 8, the Permittee shall maintain a record of routine maintenance activities performed on the approved EU(s), PCD(s) and monitoring equipment. The records shall include, at a minimum, the type or a description of the maintenance performed and the date and time the work was completed.

Table 5	
EU#	**Record Keeping Requirements**
EU69	33. In accordance with NE-16-019, Table 4, No. 9, the Permittee shall maintain a record of all malfunctions affecting air contaminant emission rates on the approved EU(s) and PCD(s)] and monitoring equipment. At a minimum, the records shall include: date and time the malfunction occurred; description of the malfunction; corrective actions taken; the date and time corrective actions were initiated and completed; and the date and time emission rates and monitoring equipment returned to compliant operation.
Facility-wide	34. In accordance with 310 CMR 7.00: Appendix C(10)(b), maintain records of all monitoring data and supporting information required by this Operating Permit on site for five (5) years from the date of the monitoring sample, measurement, report, or initial Operating Permit Application.
	35. The Permittee shall maintain records to ensure sufficient information is available to comply with 310 CMR 7.12 Source Registration. Copies of Source Registration and other information supplied to the Department to comply with 310 CMR 7.12 shall be retained by the facility owner/operator for five years from the date of submittal per 310 CMR 7.12(3)(c).
	36. In accordance with 310 CMR 7.71 (6) (b) and (c), the Permittee shall keep on site at the facility documents of the methodology and data used to quantify emissions for a period of 5 years from the date the document is created. The Permittee shall make these documents available to MassDEP upon request. (State Only Requirement).

Table 5 Key

EU# = Emission Unit Number
NO_x = nitrogen oxides
CO = Carbon Monoxide
NH_3 = Ammonia
O_2 = oxygen
PCD = Pollution Control Device
VOC = volatile organic compounds
CEMS = continuous emission monitoring system
COMS = continuous opacity monitoring system
PM = particulate matter

Table 6	
EU#	**Reporting Requirements**
EU11 EU12 EU61 EU62 EU63	1. In accordance with 310 CMR 7.24(3)(e) 4.a, any owner/operator of a fuel dispensing facility shall annually submit to the Department within 30 days of performing and passing all applicable compliance tests a fully completed and signed In-use Compliance Certification on a form provided by the department.
	2. In accordance with 310 CMR 7.24(3)(e)4. b, any owner/operator of a motor vehicle fuel dispensing facility shall attest to the following: a. The Stage I system is operated and maintained in accordance with the applicable Executive Orders and manufacturers' guidance; and b. All applicable compliance tests listed in 310 CMR 7.24(3)(e)1. were performed and passed.
	3. In accordance with 310 CMR 7.24(3)(e)5 a., any owner operator of a motor vehicle fuel dispensing facility who submits annual in use compliance certifications for two consecutive years in compliance with 310 CMR 7.24 (3)(e)4. in which all applicable in use compliance tests were passed on the first try, as certified pursuant to 310 CMR 7.24(3)(h)8., may elect to submit to the Department an Alternative Annual In-use Compliance Certification on a form provided by the Department

Table 6	
EU#	**Reporting Requirements**
EU11 EU12 EU61 EU62 EU63	4. In accordance with 40 CFR 63.11126(b), each owner or operator of an affected source under this subpart shall report to MassDEP and EPA Region I, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year, and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with 63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred.
EU01 EU02 EU03 EU04	5. In accordance with 40 CFR 63.11214(b), submit a signed statement in the Notification of Compliance Status report that indicates that you conducted a tune-up of the boiler.
	6. In accordance with 40 CFR 63.11223(b)(6), submit, if requested by the Administrator, report containing the following information; (i) the concentrations of CO in the effluent stream in parts per million, by volume, and oxygen in volume percent, measured before and after the tune-up of the boiler, (ii)a description of any corrective actions taken as a part of the tune-up of the boiler, and (iii) the type and amount of fuel used over the 12 months prior to the tune-up of the boiler.
	7. In accordance with 40 CFR §63.11225(b), prepare a compliance report including (1) company name and address, (2) statement by a responsible official, with the official's name, title, phone number, e-mail address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart, and (3) if the source experiences any deviations from the applicable requirements during the reporting period, including a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken. Said Compliance Certification Reports shall be submitted by March 1st every 2 years for EU01 through EU04.
	8. In accordance with 40 CFR 63.11225(g), if you intend to switch fuels, and this fuel switch may result in the applicability of a different subcategory or a switch out of subpart JJJJJJ due to a switch to 100 percent natural gas, you must provide 30 days prior notice of the date upon which you will switch fuels. The notification must identify: (1) the name of the owner or operator of the affected source, the location of the source, the boiler(s) that will switch fuels, and the date of the notice. (2) The currently applicable subcategory under this subpart. (3) The date on which you became subject to the current applicable standards. (4) The date upon which you will commence the fuel switch.
EU06 EU51 EU53	9. In accordance with Table 2d, footnote 2 of Part 63, Subpart ZZZZ, report any failure to perform a management practice (maintenance, tune up, etc.) on the schedule required, as well as the justification for delaying the performance of the management practice.
EU69	10. In accordance with NE-16-019, Table 5, No. 2, a pre-test protocol, describing the test methods for NOx, CO, VOC, total particulates, NH_3 and CO_2 (CT only) compliance testing, procedures for NOx, CO and VOC optimization/ minimization, sampling point locations, sampling equipment, sampling and analytical procedures, and the operating conditions for the required testing must be submitted to this Office, attention Bureau of Air and Waste Prevention, Permit Chief, for review and MassDEP approval at least thirty (30) days prior to the commencement of compliance testing at the facility.
	11. In accordance with NE-16-019, Table 5, No. 3, the final compliance testing results report must be submitted to this Office, attention Bureau of Air and Waste (BAW), Permit Chief, within 60 days of completion of said testing.
	12. In accordance with NE-16-019, Table 5, No. 4, the Permittee shall comply with all applicable reporting requirements of the federal regulation 40 CFR 60, Subpart KKKK, such as written advance notification of start-up, post-notification of actual start-up.

Table 6	
EU#	**Reporting Requirements**
EU69	13. In accordance with NE-16-019, Table 5, No. 5, the Permittee shall develop a quality assurance/quality control (QA/QC) program for the long-term operation of the CEMS servicing EU-69. The QA/QC program must be submitted in writing for review and approval by MassDEP at least 30 days prior to commencement of facility operation. Any subsequent changes to the program shall be approved by MassDEP.
	14. In accordance with NE-16-019, Table 5, No. 7, the Permittee shall submit any subsequent revision(s) made to the Final SOMP concerning CT/DB, to the Northeast Regional Office of MassDEP, BAW Permit Chief, within 15 days of said revision(s).
Facility-wide	15. The Permittee shall report annually to MassDEP, in accordance with 310 CMR 7.12, all information as required by the Source Registration/Emission Statement Form using the electronic data system. The Permittee shall note therein any minor changes (under 310 CMR 7.02(2)(e), 7.03, 7.26, etc.), which did not require Plan Approval.
	16. The Permittee shall submit by January 30 and July 30 for the previous six months respectively, a Semi-Annual Monitoring Summary and Certification with all monitoring data and related supporting information to MassDEP as required by 310 CMR 7.00: Appendix C(10)(c).
	17. The Permittee shall submit Annual Compliance report to MassDEP and EPA by January 30 of each year and as required by General Condition No. 10.
	18. The Permittee shall submit to MassDEP all information required over the signature of a "Responsible Official" as defined in 310 CMR 7.00 and shall include the Certification statement as provided in 310 CMR 7.01(2)(c).
	19. The Permittee shall submit to MassDEP all information required over the signature of a "Responsible Official" as defined in 310 CMR 7.00 and shall include the Certification statement as provided in 310 CMR 7.01(2)(c).
	20. Promptly report to MassDEP all instances of deviations from Permit requirements (including but not limited to testing for efficient operation, ignition timing, fuel sulfur and fuel ash content, emission limitations/standards, Standard Operating and Maintenance Procedures) by telephone or fax, within three days of discovery of such deviation, as provided in 310 CMR 7.00: Appendix C(10)(f). (See General Condition No. 25).
	21. The Permittee shall notify the Northeast Regional Office of MassDEP, BAW Permit Chief by email at nero.air@state.ma.us or fax 978-694-3499, as soon as possible, but no later than one (1) business day after discovery of an exceedance(s) of Table 2 requirements. A written report shall be submitted to the BAW Permit Chief at MassDEP within three (3) business days thereafter and shall include: identification of exceedance(s), duration of exceedance(s), reason for the exceedance(s), corrective actions taken, and action plan to prevent future exceedance(s).
	22. If and when MassDEP or EPA requests Emissions Compliance Testing (Stack Testing) to be conducted in accordance with 310 CMR 7.13, and 40 CFR Part 60, Appendix A, then: (a) submit a pretest protocol for the required Emissions Compliance Test (stack test) for review and written Department approval at least 60 days prior to the anticipated date of testing, (b) include in the pretest protocol a description of sampling point locations, sampling equipment, sampling analytical procedures, and the operating conditions for the required Emissions Compliance Testing, (c) submit the Emissions Compliance Testing report for the review and written Department approval within 60 days of the completion of the Emissions Compliance Testing.
	23. In accordance with 310 CMR 7.71(5) and 7.12, the Permittee shall electronically submit and certify a greenhouse gas emissions report to MassDEP on an annual basis. (State Only Requirement)
	24. In accordance with 310 CMR 7.16(5) report annually on the commuter program.

Table 6 Key

EU# = Emission Unit Number
NO_x = nitrogen oxides
CO = Carbon Monoxide
NH_3 = Ammonia
O_2 = oxygen
CT = combustion turbine
PCD = Pollution Control Device
VOC = volatile organic compounds
CEMS = continuous emission monitoring system
COMS = continuous opacity monitoring system
DB = duct burner
CO_2e = Carbon dioxide equivalent

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 64 – Compliance Assurance Monitoring	EU69 is subject to emission limitations or standards of 40 CFR Part 60 Subpart KKKK, which was proposed by EPA after November 15, 1990

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 8

EU#	Special Terms and Conditions
EU01 EU02 EU03 EU04	1. Emission units 01-04 are subject to the requirements of 40 CFR 63.1-15, Subpart A, "General Provisions" [as indicated in Table 8 to Subpart JJJJJJ of 40 CFR 63]. Compliance with all applicable provisions therein is required.

Table 8

EU#	Special Terms and Conditions
EU11 EU12 EU61 EU62 EU63	2. In accordance with 40 CFR 63. 11115(a), the Permittee shall, at all times, 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. 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.
	3. Emission units 11, 12, and 61-63 are subject to the requirements of 40 CFR 63.1-15, Subpart A, "General Provisions" [as indicated in Table 3 to Subpart CCCCCC of 40 CFR 63]. Compliance with all applicable provisions therein is required.
EU47 EU48 EU49 EU50 EU52 EU54 EU55 EU56 EU57 EU67	4. Pursuant to 40 CFR 63.6590(c), the subject EUs must meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart IIII, for compression ignition engines or 40 CFR 60, Subpart JJJJ for spark ignition engines. No further requirements apply for such engines under 40 CFR 63 Subpart ZZZZ.
EU47 EU48 EU49 EU50 EU52 EU54 EU55 EU56 EU57	5. In accordance with 310 CMR 7.26(42)(d)2, each EU shall be operated and maintained in accordance with the manufacturer's recommended operating and maintenance procedures.
	6. In accordance with 310 CMR 7.26(42)(d)3., each EU shall be constructed, located, operated, and maintained in a manner to comply with the requirements of 310 CMR 7.10: Noise.
	7. In accordance with 310 CMR 7.26(42)(d)34. a, each EU shall utilize an exhaust stack that discharges so as to not cause a condition of air pollution (310 CMR 7.01(1)). Exhaust stacks shall be configured to discharge the combustion gases vertically and shall not be equipped with any part or device that restricts the vertical exhaust flow of the emission combustion gases, including but not limited to rain protection devices "shanty caps" and "egg beaters". Any emission impacts of exhaust stacks upon sensitive receptors including, but not limited to, people, windows and doors that open, and building fresh air intakes shall be minimized by employing good air pollution control engineering practices.
	8. Each EU shall have a minimum stack height as required by 310 CMR7.26(d)3.
EU06 EU51 EU53	9. For, on or after the applicable compliance date of May 3, 2013, as referenced in 40 CFR Part 63, Subpart ZZZZ, Sections 63.6640, 63.6603, and Table 2d, No.4, all incorporated herein by reference, perform the following: a. Change oil and filter every 500 hours of operation or annually, whichever comes first; b. Inspect air cleaner 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.
	10. Emission units 06, 51, and 53 are subject to the requirements of 40 CFR 63.1-15, 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 8	
EU#	**Special Terms and Conditions**
EU69	11. In accordance with NE-16-019, Table 6, No. 2, the SCR and oxidation catalyst shall operate whenever EU69 is operated, including start-up and shutdown, except that ammonia injection shall be placed in operation only after the CT exhaust gas temp. reaches about 550 degrees F.
	12. In accordance with NE-16-019, Table 6, No. 3, the emission limitations established in Table 2 of NE-16-019 shall apply only when CT is operated within the nominal 50 percent to 100 percent load range (or as otherwise demonstrated to meet all emission limitations of Table 2), excluding start-up or shut down periods. Compliance with these emission limitations shall be determined based on one-hour averages.
	13. In accordance with NE-16-019, Table 6, No. 4, the Permittee shall not operate CT at power generating loads below 50 percent of combustion turbine rated capacity (or minimum emissions compliant load), nor power generating loads exceeding 100 percent of short-term peak combustion turbine rated capacity, excluding start-up or shutdown periods. CT start-ups and shutdowns shall be per turbine manufacturers' specifications but shall not exceed two hours in duration for each episode.
	14. In accordance with NE-16-019, Table 6, No. 5, CT must comply with all applicable sections of 40 CFR Part 60- New Source Performance Standards- Subpart KKKK (Gas Turbines).
	15. In accordance with NE-16-019, Table 6, No. 6, the Permittee shall comply with all emission limitations and requirements of Regulation 310 CMR 7.26(43) for CHP systems in Massachusetts.
	16. In accordance with NE-16-019, Table 6, No. 7, natural gas shall be the only fuel of use in DB. ULSD (15 ppmw, maximum sulfur content) fuel oil may be combusted in the CT (only) for up to 720 hours per year as backup fuel.
	17. In accordance with NE-16-019, Table 6, No. 8, the Permittee shall operate the subject equipment consistent with the most updated Final SOMP and the conditions/parameters established during the compliance test program.
Facility-Wide	18. In accordance with NE-16-019, Table 6, No. 10, any net NOx emissions increase at HAFB occurring over a period of five consecutive calendar years which equates to 25 or more tons of NOx (including the NOx emissions generated from the subject equipment) shall become subject to Nonattainment Review, as per the requirements of 310 CMR 7.00: Appendix A.
	19. The permittee has indicated that it is subject to, and complying with, the requirements of 310 CMR 7.16, U Reduction of Single Occupant Commuter Vehicle Use. The permittee shall continue to comply with 310 CMR 7.16

Table 8 Key:

EU# = Emission Unit Number
CT = Combustion Turbine
DB = Duct Burner
ULSD = ultra-low sulfur diesel
NO_x = Nitrogen Oxides F = Fahrenheit
CHP = combined heat and power
ppmw = part per million by weight

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, https://www.mass.gov/guides/massdep-operating-permit-compliance-program#-operating-permit-reporting-kit-.

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
Director, Enforcement and Compliance Assurance Division
Attn: Air Compliance Clerk (Mail Code 04-2)
U.S. Environmental Protection Agency - Region 1
5 Post Office Square, Suite 100
Boston, MA 02109.

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 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), 7.18(1)(b), 7.70, 7.71, 7.72, 7.73, 7.74, 7.75, 7.76 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 based[1] emission limitations specified in this Permit as a result of an emergency[2]. In order to use emergency as an affirmative defense to an action brought for noncompliance, the Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

A. an emergency occurred and that the Permittee can identify the cause(s) of the emergency;

B. the permitted Facility was at the time being properly operated;

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[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.

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 Air and Waste the following deviations from permit requirements, by telephone, by fax or by 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 this 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, this Operating Permit, or other approvals.

E. Failure to perform QA/QC measures as required by this 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 Air and Waste Air Operating Permit Reporting Kit, which is available to the Permittee via the MassDEP's web site, https://www.mass.gov/guides/massdep-operating-permit-compliance-program#-operating-permit-reporting-kit-.
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 Air and Waste 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 (15) 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 Part82, 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".

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.