Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection
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FINAL AIR QUALITY OPERATING PERMIT MINOR MODIFICATION

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"]:
Massachusetts Port Authority (Massport)
One Harborside Drive
Boston, Massachusetts 02128

INFORMATION RELIED UPON:
Minor Modification (MM) Application No. MBR-95-OPP-094RM
MM Transmittal No. X263142
Original Transmittal No. X227517

FACILITY LOCATION:
Logan International Airport
One Harborside Drive
Boston, Massachusetts 02128

FACILITY IDENTIFYING NUMBERS:
AQ ID: 1191249
FMF FAC NO. 52936
FMF RO NO. 162318

NATURE OF BUSINESS:
International Airport

STANDARD INDUSTRIAL CLASSIFICATION (SIC) 4581

NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS): 488119

RESPONSIBLE OFFICIAL:
Name: Edward Freni
Title: Director of Aviation

FACILITY CONTACT PERSON:
Name: Ian Campbell
Title: Senior Environmental Project Manager
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This Operating Permit shall expire on January 14, 2018.
For the Department of Environmental Protection, Bureau of Air and Waste

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.

Susan P. Ruch
Acting Permit Chief and Deputy Regional Director
Bureau of Air and Waste

July 9, 2015
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.

DESCRIPTION OF FACILITY AND OPERATIONS

The Massachusetts Port Authority ("the Permittee") owns and operates Logan International Airport (Logan), a 2,400-acre facility located in East Boston. It is a full-service airport, which accommodates a wide range of aircraft providing domestic and international passenger transport to over 26 million passengers annually, air cargo handling, and general aviation. Logan consists of over 50 buildings, six runways, adjoining taxiways, a cooling/heating plant that houses the largest emission units, and many ancillary facilities. The complex employs over 16,000 people and houses numerous tenant businesses. Pertinent stationary source operations at Logan consist of central heating and cooling, backup power provisions, snow removal operations, fuel handling and vehicle servicing, among others.

The Permittee operates a number of boilers at Logan that are subject to Federal requirements at 40 CFR Part 63, Subpart JJJJJJ. The boilers that were installed on or prior to June 4, 2010 are considered "existing" affected sources, and boilers installed after June 4, 2010 are considered "new" affected sources with respect to Subpart JJJJJJ.

The Permittee operates eight emergency engines at Logan that are subject to 40 CFR Part 60, New Source Performance Standards, Subpart IIII "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines".

The Permittee operates 31 engines at Logan that are subject to 40 CFR Part 63, Subpart ZZZZ, "National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines". The 25 engines installed at Logan prior to June 12, 2006 are considered "existing affected sources" and 6 engines installed at Logan after June 12, 2006 are considered "new" engines under this regulation. The 25 existing affected sources have a future compliance date of May 3, 2013. The 6 new engines must currently comply with 40 CFR Part 63, Subpart ZZZZ.

As described in the Original Operating Permit Application (MBR-95-OPP-094) and the Operating Permit Renewal (MBR-95-OPP-094R), the Permittee states that Logan's emission units are not potentially major for single hazardous air pollutants (HAPs) or total hazardous air pollutants (HAPs).

Tables 3, 4, 5, 6, and 8 of this Operating Permit contain the Air Quality requirements and regulations to which the Permittee is subject. Table 7 of this Operating Permit contains Air Quality requirements to which the Permittee is not subject as well as the reasoning utilized in determining the non-applicability status.

2. EMISSION UNIT IDENTIFICATION

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

TABLE 1

EMISSION UNIT (EU) NUMBER	DESCRIPTION OF EMISSION UNIT	EMISSION UNIT DESIGN CAPACITY	POLLUTION CONTROL DEVICE (PCD)
EU 1	Keeler Boiler model NB5139 (located at the central cooling and heating plant)	182.9 MMBtu/hr (No. 2 fuel oil) 193.5 MMBtu/hr (natural gas)	NA
EU 2	Keeler Boiler model MKB (located at the central cooling and heating plant)	178.2 MMBtu/hr (No. 2 fuel oil) 176.4 MMBtu/hr (natural gas)	
EU 3	Keeler Boiler model MKB (located at the central cooling and heating plant)	132 MMBtu/hr (No. 2 fuel oil and natural gas)	
EU 4	Waukeshaw Emergency Engine model L5790DSIU (located at the central cooling and heating plant No.1)	12.1 MMBtu/hr (ULSD)	
EU 5	Waukeshaw Emergency Engine model L5790DSIU (located at the central cooling and heating plant No. 2)	12.1 MMBtu/hr (ULSD)	
EU 6	Waukeshaw Emergency Engine model L5790DSIU (located at the airport tower near Terminal C)	12.1 MMBtu/hr (ULSD)	
EU 7	Caterpillar Emergency Engine model 3412 (located at Building 57)	7.59 MMBtu/hr (ULSD)	
EU 9	Caterpillar Emergency Engine model 3412 (located at Airport Rescue and Fire Fighting (ARFF) Building)	6.36 MMBtu/hr (ULSD)	
EU 10	Caterpillar Emergency Engine model 3412 (located in building 62)	7.59 MMBtu/hr (ULSD)	

TABLE 1			
EMISSION UNIT (EU) NUMBER	DESCRIPTION OF EMISSION UNIT	EMISSION UNIT DESIGN CAPACITY	POLLUTION CONTROL DEVICE (PCD)
EU 11	Caterpillar Emergency Engine model 3406B (located at new Bird Island Flat substation)	4.5 MMBtu/hr (ULSD)	NA
EU 12	Katolite Emergency Engine model 0350FPX4 (located at 'Facilities II')	4.43 MMBtu/hr (ULSD)	
EU 13	Katolite Emergency Engine model 0350FPX5 (located at 'Mobil Generator')	4.43 MMBtu/hr (ULSD)	
EU 14	Caterpillar Emergency Engine model 3306 (located at ARFF Satellite)	3.54 MMBtu/hr (ULSD)	
EU 15	Caterpillar Emergency Engine model 3412 (located behind Logan Office Center parking garage)	6.4 MMBtu/hr (ULSD)	
EU 16	Caterpillar Emergency Engine model 3512 DITA (located at West Parking Garage)	11.7 MMBtu/hr (ULSD)	
EU 17	Caterpillar Emergency Engine model 3512B (located at the central cooling and heating plant – labeled No.1)	14.2 MMBtu/hr (ULSD)	
EU 18	Caterpillar Emergency Engine model 3512B (located at the central cooling and heating plant - labeled No.2)	14.2 MMBtu/hr (ULSD)	
EU 19	Caterpillar Emergency Engine model 3516B (located at the airfield lighting vault No.1)	15.7 MMBtu/hr (ULSD)	
EU 20	Caterpillar Emergency Engine model 3515B (located at the airfield lighting vault No.2)	15.7 MMBtu/hr (ULSD)	
EU 21	Caterpillar Emergency Engine model 3512B (located at the central garage)	15.2 MMBtu/hr (ULSD)	Johnson Matthey System CRT particulate filter
EU 23	Caterpillar Emergency Engine model 3412 (located at Cargo Building 58)	7.6 MMBtu/hr (ULSD)	NA
EU 24	Caterpillar Emergency Engine model 3412 (located at Cargo Building 63)	7.6 MMBtu/hr (ULSD)	

TABLE 1			
EMISSION UNIT (EU) NUMBER	DESCRIPTION OF EMISSION UNIT	EMISSION UNIT DESIGN CAPACITY	POLLUTION CONTROL DEVICE (PCD)
EU 25	Burnham Boiler model FF5167585845 (located at Cargo Building 57)	3.11 MMBtu/hr (No. 2 fuel oil)	NA
EU 26	Burnham Boiler model FF5167585837 (located at Cargo Building 57)	3.11 MMBtu/hr (No. 2 fuel oil)	
EU 27	Burnham Boiler model F517, S/N7587997 (located at Cargo Building 58)	3.38 MMBtu/hr (No.2 fuel oil)	
EU 28	Burnham Boiler model F517, S/N7587976 (located at Cargo Building 58)	3.38 MMBtu/hr (No.2 fuel oil)	
EU 31	Burnham Boiler model PF511 (located at Cargo Building 62)	2.18 MMBtu/hr (No. 2 fuel oil)	
EU 32	Burnham Boiler model PF511 (located at Cargo Building 62)	2.18 MMBtu/hr (No. 2 fuel oil)	
EU 33A	H. B Smith Boiler, model 28A-9 (located at Cargo Building 63)	2.74 MMBtu/hr (No. 2 fuel oil)	
EU 33B	H. B Smith Boiler, model 28A-9 (located at Cargo Building 63)	2.74 MMBtu/hr (No. 2 fuel oil)	
EU 34	Weil McLain Boiler model BG-1388SW (located at new BU Building)	3.92 MMBtu/hr (natural gas) Note: Boiler is rated for 4.11 MMBtu/hr, but burner is only rated for 3.92 MMBtu/hr	
EU 35	Inground Snowmelter burner unit (Snowmelter Stationary Pit “1”)	8.4 MMBtu/hr (No. 2 fuel oil)	
EU 36	Inground Snowmelter burner unit (Snowmelter Stationary Pit “2”)	8.4 MMBtu/hr (No. 2 fuel oil)	
EU 37	Inground Snowmelter burner unit (Snowmelter Stationary Pit “2A”)	8.4 MMBtu/hr (No. 2 fuel oil)	
EU 39	Inground Snowmelter burner unit (Snowmelter Stationary Pit “11”)	8.4 MMBtu/hr (No. 2 fuel oil)	
EU 40	Inground Snowmelter burner unit (Snowmelter Stationary Pit “13”)	8.4 MMBtu/hr (No. 2 fuel oil)	
EU 42	Inground Snowmelter burner unit (Snowmelter Stationary Pit “9”)	8.4 MMBtu/hr (No. 2 fuel oil)	
EU 44	Portable Snowmelter (Trecan 135-PD) with Perkins Engine (model 1006-6TW) Snowmelter “A”	24.43 MMBtu/hr [1](ULSD)	

TABLE 1			
EMISSION UNIT (EU) NUMBER	DESCRIPTION OF EMISSION UNIT	EMISSION UNIT DESIGN CAPACITY	POLLUTION CONTROL DEVICE (PCD)
EU 45	Portable Snowmelter (Trecan 135-PD) with Perkins Engine (model 1006-6TW) Snowmelter "B"	24.43 MMBtu/hr[1] (ULSD)	NA
EU 46	Portable Snowmelter (Trecan 135-PD) with Perkins Engine (model 1006-6TW) Snowmelter "C"	24.43 MMBtu/hr[1] (ULSD)	
EU 47	Portable Snowmelter (Trecan 135-PD) with Perkins Engine (model 1006-6TW) Snowmelter "D"	24.43 MMBtu/hr[1] (ULSD)	
EU 48	Waukeshaw Emergency Engine model L5792DSU (located at Terminal B)	9.4 MMBtu/hr (ULSD)	
EU 49	Cummins Emergency Engine model VTA2062 (located at Terminal C)	6.3 MMBtu/hr (ULSD)	
EU 50	Runway and Airfield Painting	N/A	
EU 51	Underground Gasoline Storage Tank (LOGBM-0147) 10,000 gallons	N/A	
EU 54	Fire Fighting Activities	N/A	
EU 55	Emergency Caterpillar Engine model 3508 (located in Terminal A satellite building)	9.3 MMBtu/hr (ULSD)	
EU 56	Emergency Caterpillar Engine model 3508 (located in Terminal A-Building 31)	9.3 MMBtu/hr (ULSD)	
EU 57	Parts washer/degreaser (located at 'Facility 2' maintenance garage)	N/A	
EU 58	Portable Snowmelter with John Deere Engine Snowmelter "E"	24.83 MMBtu/hr[1] (ULSD)	
EU 59	Portable Snowmelter with John Deere Engine Snowmelter "F"	24.83 MMBtu/hr[1] (ULSD)	
EU 60	Portable Snowmelter (Trecan 135-PD) with John Deere Engine (model 6068HF, Snowmelter "G")	24.83 MMBtu/hr[1](ULSD)	
EU 61	Portable Snowmelter (Trecan 135 – PD) with John Deere Engine (model 6068HF Snowmelter "H")	29.78 MMBtu/hr[1] (ULSD)	

TABLE 1			
EMISSION UNIT (EU) NUMBER	DESCRIPTION OF EMISSION UNIT	EMISSION UNIT DESIGN CAPACITY	POLLUTION CONTROL DEVICE (PCD)
EU 62	Portable Snowmelter (Trecan 135 – PD) with John Deere Engine (model 6068HF, Snowmelter "I")	29.78 MMBtu/hr[1] (ULSD)	NA
EU 63	Portable Snowmelter: Trecan 135-PD, with John Deere model 6068HF engine (Snowmelter "J")	29.78 MMBtu/hr for the burners and 1.78 MMBtu/hour for the engine (ULSD)	
EU 64	Portable Snowmelter: Trecan 135-PD, with John Deere model 6068HF engine (Snowmelter "K")	29.78 MMBtu/hr for the burners and 1.78 MMBtu/hour for the engine (ULSD)	
EU 65	Cummins model 350DFEG emergency diesel engine (Building 15 Large Vehicle Storage)	3.402 MMBtu/hr (ULSD)	
EU 66	Cummins model 1000DQFAD emergency diesel engine (Logan Office Center)	10.108 MMBtu/hr (ULSD)	
EU 67	Burnham Boiler (Building 56 – formerly owned by Northwest Airlines)	4.9 MMBtu/hr (No. 2 fuel oil)	
EU 68	Burnham Boiler (Building 56 - formerly owned by Northwest Airlines)	4.9 MMBtu/hr (No. 2 fuel oil)	
EU 69	Caterpillar model 3406B emergency engine (former Delta Reservation Building/State Police/TSA Building - Building #11)	4.5 MMBtu/hr (ULSD)	
EU 70	Caterpillar model 3412DT emergency engine (old field lighting, CAT 2 Runway 4R Lights)	7.6 MMBtu/hr (ULSD)	
EU 71	Cummins model 1500 DQGAB emergency engine (Prescott Street Pump Station) (engine nameplate hp 2220)	14.8 MMBtu/hr (ULSD)	
EU 72	Trecan 20-SG Stationary Gas Snowmelter (Central Garage Snowmelter "1")	4.5 MMBtu/hr (natural gas)	

TABLE 1			
EMISSION UNIT (EU) NUMBER	DESCRIPTION OF EMISSION UNIT	EMISSION UNIT DESIGN CAPACITY	POLLUTION CONTROL DEVICE (PCD)
EU 73	Trecan 20-SG Stationary Gas Snowmelter (Central Garage Snowmelter "2")	4.5 MMBtu/hr (natural gas)	NA
EU 74	Trecan 20-SG Stationary Gas Snowmelter (Central Garage Snowmelter "3")	4.5 MMBtu/hr (natural gas)	
EU 75	Trecan 20-SG Stationary Gas Snowmelter (Central Garage Snowmelter "4")	4.5 MMBtu/hr (natural gas)	
EU 76	Trecan 20-SG Stationary Gas Snowmelter (Central Garage Snowmelter "5")	4.5 MMBtu/hr (natural gas)	
EU 77	Trecan 20-SG Stationary Gas Snowmelter (Central Garage Snowmelter "6")	4.5 MMBtu/hr (natural gas)	
EU 78	Trecan model 20-PD Portable Snowmelter (economy parking garage, Snowmelter "L")	5.052 MMBtu/hr [1] (ULSD)	
EU 79	Trecan model 20-PD Portable Snowmelter (economy parking garage, Snowmelter "O")	5.052 MMBtu/hr [1] (ULSD)	
EU 80	Cummins model 300DQHAB emergency engine Building 10 (engine nameplate hp 470)	3.24 MMBtu/hr (ULSD)	
EU 81	Caterpillar model C15 DITA emergency engine (Terminal B Parking garage)	5.124 MMBtu/hr (ULSD)	
EU 82	Cummins model QSM11-G4 NR3 emergency engine (Massport Green Bus Depot)	3.248 MMBtu/hr (ULSD)	
EU 83	Mitsubishi model S12A2-Y2PTAW-2; serial 27623 Emergency Engine (Rental Car Center RCC) 900kwm engine output; 815 kW genset output	9.44 MMBtu/hr (ULSD)	Diesel Particulate Filter
EU 84	Trecan 40-SG Stationary Gas Snowmelter (ConRAC #1)	9.0 MMBtu/hr (natural gas)	

TABLE 1			
EMISSION UNIT (EU) NUMBER	DESCRIPTION OF EMISSION UNIT	EMISSION UNIT DESIGN CAPACITY	POLLUTION CONTROL DEVICE (PCD)
EU 85	Trecan 40-SG Stationary Gas Snowmelter (ConRAC #2)	9.0 MMBtu/hr (natural gas)	
EU 86	Trecan 40-SG Stationary Gas Snowmelter (Economy Parking Garage)	9.0 MMBtu/hr (natural gas)	NA
EU 87	Trecan 40-SG Stationary Gas Snowmelter (Economy Parking Garage)	9.0 MMBtu/hr (natural gas)	
EU 88	John Deere model number 6090HF484, emergency engine located at Terminal B Extension	2.46 MMBtu/hr	
EU 89	Portable Snowmelter: Trecan 135-PD, with John Deere engine model 6068HFC94 engine (Snowmelter "P")	24 MMBtu/hr for the burners and 1.48 MMBtu/hour for the engine (ULSD)	For engine: Variable Geometry Turbochargers (VGT), Exhaust Gas Recirculation (ERG), diesel oxidation catalyst (DOC) and a diesel particulate filter (DPF)
EU 91	Portable Trecan Snowmelter model 180-PD with Cummins Tier 4 Final engine (model QSB6.7) firing only ultra low sulfur diesel (ULSD) with a sulfur content not to exceed 0.0015% by weight (Snowmelter "Q")	Burner in melt tank: 16 MMBtu/hr each; total of 32 MMBtu/hr (2 burners total) Engine: 1.554 MMBtu/hr	For engine: Variable Geometry Turbochargers (VGT), Exhaust Gas Recirculation (ERG), diesel oxidation catalyst (DOC) and selective catalytic reduction (SCR)
B55-01	HydroTherm Boiler model MO-770, Building 55 (Amelia Earhart Building)	0.77 MMBtu/hr (No. 2 fuel oil)	
B55-02	HydroTherm Boiler model MO-770, Building 55(Amelia Earhart Building)	0.77 MMBtu/hr (No. 2 fuel oil)	
B55-03	HydroTherm Boiler model MO-770, Building 55(Amelia Earhart Building)	0.77 MMBtu/hr (No. 2 fuel oil)	
ARFF-01	H.B Smith Boiler model C2-GO-20B, ARFF Main Building	2.8 MMBtu/hr (No. 2 fuel oil or natural gas)	

TABLE 1			
EMISSION UNIT (EU) NUMBER	DESCRIPTION OF EMISSION UNIT	EMISSION UNIT DESIGN CAPACITY	POLLUTION CONTROL DEVICE (PCD)
ARFF-02	H.B. Smith Boiler model C2-GO-20B, ARFF Main Building	2.8 MMBtu/hr (No. 2 fuel oil or natural gas)	
ARFF-03	H.B. Smith Boiler model F95-381, ARFF Satellite Rescue Building (Building 79)	0.66 MMBtu/hr (No. 2 fuel oil)	
ARFF-04	H.B. Smith Boiler model F95-381, ARFF Satellite Rescue Building (Building 79)	0.66 MMBtu/hr (No. 2 fuel oil)	
B54-01	H.B Smith model 801CRD, Building 54	2.9 MMBtu/hr (No. 2 fuel oil)	

Note to Table 1:

MMBtu/hr = million British thermal units per hour
No. = number
NA = not applicable
[1] Heat input is for two burners and an engine.
ULSD = ultra low sulfur diesel with a maximum sulfur content of 0.0015 percent by weight.

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

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 1, EU 2, EU 3	No. 2Fuel Oil and Natural Gas		NOx	0.3 lb/MMBtu[1]	310 CMR 7.19(4)(a)4.a. and Approval MBR-94-IND-022
			SO_2	1.2 lb/MMBtu[2,3]	310 CMR 7.22(1)
			Sulfur in fuel oil	0.05% by weight	310 CMR 7.05(1)(a)1. Table 1
			CO	200 ppmvd [1], corrected to 3% O_2	310 CMR 7.19(4)(f)
			Opacity	≤ 15% opacity during any six-minute block average. ≤ 27% during startup, shutdown, soot blowing, and other specified operating conditions during any six-minute block average. May exceed 27% opacity for up to two six-minute block averages during the calendar quarter.	310 CMR 7.06(1)(c) and the Approved Plan of Good Operating Practices
EU 1			PM	0.10 lb/MMBtu	310 CMR 7.02(8)(h)
EU 1			PM	11.4 tons per rolling 12 month	Operating Permit Minor Modification Application X263142

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 1	No. 2Fuel Oil and Natural Gas		NOx	244.1 tons per rolling 12 month	Operating Permit Minor Modification Application X263142
EU 1			SO_2	40.6 tons per rolling 12 months	Operating Permit Minor Modification Application X263142
EU 1			CO	69.8 tons per rolling 12 months	Operating Permit Minor Modification Application X263142
EU 1			VOC	4.6 tons per rolling 12 months	Operating Permit Minor Modification Application X263142
EU 2			PM	0.12 lb/MMBtu	310 CMR 7.02(8)(d)
EU 2			PM	11.2 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142
EU 2			NOx	229.5 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142
EU 2			SO_2	39.6 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142
EU 2			CO	63.6 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142
EU 2			VOC	4.2 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 3	No. 2Fuel Oil and Natural Gas		PM	0.12 lb/MMBtu	310 CMR 7.02(8)(d)
EU 3			PM	8.3 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142
EU 3			NOx	149.2 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142
EU 3			SO_2	29.3 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142
EU 3			CO	47.6 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142
EU 3			VOC	3.1 tons per rolling 12 month period	Operating Permit Minor Modification Application X263142

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU1, EU2, EU3	No. 2 Fuel Oil and Natural Gas		HAPs	As required in § 63.11205, 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
				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)	
				As required in § 63.11201 and Table 2 to Subpart JJJJJJ, conduct an energy assessment audit	
EU 4, EU 5	ULSD	≤300 hrs/12 month rolling period			310 CMR 7.19(8)(b), Approval MBR-94-IND-022
			Sulfur	15 parts per million (ppm)	310 CMR 7.05(1)(a)3.

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 04 – EU 24, EU 48, EU 49, EU 55, EU 56, EU 69, EU 70 ("existing engines")	ULSD	Operation for maintenance checks and readiness testing is limited to no more than 100 hours per year	N/A	N/A	40 CFR 63.6640(f)(1)(ii)
				Work or management practices See Table 3 Notes, item number 4 below	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.
EU 6, EU 7, EU 9, EU 10, EU 11, EU 12, EU 13, EU 14, EU 15, EU 23, EU 24, EU 48, EU 49, EU 55, EU 56, EU69, EU70	ULSD	≤300 hrs/12 month rolling period			310 CMR 7.02(2)(b)8., 7.02(8)(i), 7.03(10)
			Sulfur	15 ppm	310 CMR 7.05(1)(a)3.
EU 16	ULSD	Shall be used only during emergency[5] situations, routine maintenance and testing and shall not exceed 230 hours/rolling 12 months and 20,840 gallons/rolling 12 months	Sulfur	15 ppm	310 CMR 7.05(1)(a)3.
			NOx	10.08 g/bhp/hr	Final Approval MBR-99-COM-005
				4.65 tons/rolling 12 months	
			CO	1.32 tons/rolling 12 months	
EU 17, EU 18	ULSD	Each emergency generator shall be used only during emergency[5] situations, routine maintenance and testing and shall not exceed 265 hours/rolling 12 months and 29,200 gallons/rolling 12 months	Sulfur	15 ppm	310 CMR 7.05(1)(a)3.
			NOx	6.57 g/bhp/hr (per engine)	Final Approval MBR-99-COM-007
				4.12 tons/rolling 12 months (per engine)	
			CO	1.25 tons/rolling 12 months (per engine)	

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 19, EU 20	ULSD	Each engine/generator set shall only be operated during emergencies[5] and for one-hour routine maintenance and testing period (during daytime only) once each week. Limit hours of operation of each engine/ generator set to no more than 125 hours per month (14,295 gallons/month) and 150 hours per rolling 12-month period (17,160 gallons/rolling 12-month period).	Sulfur	15 ppm	310 CMR 7.05(1)(a)3.
			NOx	6.16 g/bhp/hr (each unit) [6]	Final Approval MBR-01-COM-044
				34.6 lb/hr (each unit)[7]	
				4.3 tons/month (total)[7]	
				5.2 tons/rolling 12 month period (total)[7]	
			CO	0.34 g/bhp/hr (each unit) [6]	
				1.9 lb/hr (each unit)[7]	
				0.2 tons/month (total)[7]	
				0.3 tons/rolling 12 month period (total)[7]	
			VOC	0.33 g/bhp/hr (each unit) [6]	Final Approval MBR-01-COM-044
				1.8 lb/hr (each unit)[7]	
				0.2 tons/month (total)[7]	
				0.3 tons/rolling 12 month period(total) [7]	
			PM	0.09 g/bhp/hr (each unit) [6]	
				0.5 lb/hr (each unit)[7]	
				0.1 tons/month (total)[7]	
				0.1 tons/rolling 12 month period (total)[7]	
			SO2	0.29 g/bhp/hr (each unit) [6]	
				1.6 lb/hr (each unit)[7]	
				0.2 tons/month (total)[7]	

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 19, EU 20	ULSD	As above	SO2	0.3 tons/rolling 12 month period (total)[7]	Final Approval MBR-01-COM-044
EU 21	ULSD	The engine/generator set shall only be operated during emergencies[5] and for one-hour routine maintenance and testing period (during daytime only) once each week. Limit hours of operation of engine/ generator set to no more than 200 hours per month (21,720 gallons/month) and 300 hours per rolling 12-month period (32,580 gallons/rolling 12-month period).	Sulfur	15 ppm	310 CMR 7.05(1)(a)3.
			NOx	6.62 g/bhp/hr [6]	Final Approval MBR-02-COM-027
				31.62 lb/hr [7]	
				3.16 tons/month [7]	
				4.74 tons/rolling 12 month period [7]	
			CO	1.42 g/bhp/hr [6]	
				6.78 lb/hr [7]	
				0.68 tons/month [7]	
				1.02 tons/rolling 12 month period [7]	
			VOC	0.26 g/bhp/hr [6]	Final Approval MBR-02-COM-027
				1.24 lb/hr [7]	
				0.12 tons/month [7]	
				0.19 tons/rolling 12 month period [7]	
			PM [8]	0.03 g/bhp/hr [6]	
				0.1 lb/hr [7]	
				0.01 tons/month [7]	
				0.02 tons/rolling 12 month period [7]	
			SO2	0.01 g/bhp/hr [6]	
				0.10 lb/hr [7]	

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 21	ULSD	As above	SO2	0.01 tons/month [7]	Final Approval MBR-02-COM-027
				0.02 tons/rolling 12 month period [7]	
EU 25 – EU 28, EU 31 – EU 33B, EU35- EU 42, EU 67, EU 68	NO. 2 fuel oil		Sulfur in fuel	0.05% by weight	310 CMR 7.05(1)(a).1. Table 1
EU 25 – EU 28, EU 35 – EU 42, EU 67, EU 68			PM	0.10 lb/MMBtu	310 CMR 7.02(8)(h)
EU 34	Natural gas		PM	0.10 lb/MMBtu	310 CMR 7.02(8)(h)
EU25-EU28, EU31-EU33B, EU67, EU68	NO. 2 fuel oil		HAPs	As required in § 63.11205, 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
				Conduct a tune-up of the boiler biennially as specified in section 63.11223 [9,10]	
EU 44-EU47	ULSD	As Below	sulfur	15 ppm	310 CMR 7.05(1)(a)3.
			NOx	6.2 lb/hr (each unit)	MBR-04-COM-004

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 44-EU47	ULSD	As Below	NOx	0.62 tons/month (each unit)	MBR-04-COM-004
EU 44-EU47	ULSD	Maximum fuel consumption for each snowmelter shall be 35,740 gallons in one month, which equates to 200 hours of operation in one month, and 53,610 gallons per rolling 12-month period each, which equates to 300 hours of operation per rolling 12-month period. See Special Terms and Conditions number 11.		0.93 ton/rolling 12 month period (each unit)	MBR-04-COM-004
			CO	4.8 lb/hr (each unit)	
				0.48 tons/month (each unit)	
			VOC	0.45 lb/hr (each unit)	
				0.045 tons/month (each unit)	
				0.07 ton/rolling 12 month period (each unit)	
			PM	0.72 lb/hr (each unit)	
				0.072 tons/month (each unit)	
				0.11 ton/rolling 12 month period (each unit)	
			SO2	0.077 lb/hr (each unit)	
				0.0077 tons/month (each unit)	
				0.012 ton/rolling 12 month period (each unit)	

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU50	Architectural & Industrial Maintenance Coating		VOC	2.09 lb/gallon	310 CMR 7.25(11)(b)
EU 51	Gasoline	Transfer of fuel must take place through submerged filling. The vapors must be processed by a vapor balance system.	VOC	Maintain and properly operate the vapor balance system.	310 CMR 7.24 (3)
EU 54	NA	Fire Training			310 CMR 7.07(2)(a), 310 CMR 7.07(3)(a)
EU 57	non-halogenated solvent	Each parts cleaner/degreaser shall use less than 100 gallons of solvent per month	VOC		310 CMR 7.03(8), 310 CMR 7.18(8)(a)
		NA		Solvent shall have a vapor pressure that does not exceed 1.0 mm Hg measured at 20°C	310 CMR 7.18(8)(a)1.
				Work practices and operation of degreaser See Table 3 Notes, item number 11 below	310 CMR 7.18(8)(a)2, 310 CMR 7.18(8)(a)3., 310 CMR 7.18(8)(e), 310 CMR 7.18(8)(f)
EU 58- EU 60	ULSD		Sulfur	15 ppm	310 CMR 7.05(1)(a)3.
			NOx	6.1 lb/hr (each unit)	MBR-04-COM-004,OPR Application Transmittal No. X227517
				0.61 tons/month (each unit)	

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 58- EU 60	ULSD	Maximum fuel consumption for each snowmelter shall be 36,320 gallons in one month, which equates to 200 hours of operation in one month, and 54,480 gallons per rolling 12-month period each, which equates to 300 hours of operation per rolling 12-month period. See Special Terms and Conditions number 11.	NOx	0.92 ton/rolling 12 month period (each)	MBR-04-COM-004 OPR Application Transmittal No. X227517
			CO	2.8 lb/hr (each unit)	
				0.28 tons/month (each unit)	
				0.43 ton/rolling 12 month period (each)	
			VOC	0.15 lb/hr (each unit)	
				0.015 tons/month (each unit)	
				0.023 ton/rolling 12 month period (each unit)	
			PM	0.65 lb/hr (each unit)	
				0.065 tons/month (each unit)	
				0.10 ton/rolling 12 month period (each unit)	
			SO2	0.08 lb/hr (each unit)	
				0.008 tons/month (each unit)	
				0.012 ton/rolling 12 month period (each unit)	

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 61-EU 64	ULSD	The operation of the snowmelter shall be limited to 200 hours per month and 300 hour per rolling twelve month period	Sulfur	15 ppm	310 CMR 7.05(1)(a)3.
			NOx	0.6 tons/month (each unit)	MBR-05-COM-015, MBR-06-COM-008 Operating Permit Renewal Application X227517
				0.83 ton/rolling 12 month period (each)	
			CO	0.3 tons/month (each unit)	
				0.5 ton/rolling 12 month period (each)	
			VOC	0.02 tons/month (each unit)	
				0.03 ton/rolling 12 month period (each)	
			PM	0.1 tons/month (each unit)	
				0.2 ton/rolling 12 month period (each)	
			SO2	0.01 tons/month (each unit)	
				0.02 ton/rolling 12 month period (each)	
EU 65	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period.	Sulfur	15 ppm	310 CMR 7.05(1)(a)3., 310 CMR 7.26(42)(c)
			NOx	0.62 tons per month	310 CMR 7.26(42), Transmittal No. X227517
				0.75 tons/rolling 12 month period	
			CO	0.08 tons per month	
				0.09 tons/rolling 12 month period	
			VOC	0.01 tons per month	
				0.01 tons/rolling 12 month period	
			PM	0.01 tons per month	
				0.01 tons/rolling 12 month period	
			SO2	0.13 tons per month	
				0.16 tons/rolling 12 month period	

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 66	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period.	Sulfur	15 ppm	310 CMR 7.05(1)(a)3., 310 CMR 7.26(42)(c)
			NOx	1.61 tons per month	310 CMR 7.26(42), Transmittal No. X227517
				1.93 tons/rolling 12 month period	
			CO	0.27 tons per month	
				0.32 tons/rolling 12 month period	
			VOC	0.03 tons per month	
				0.03 tons/rolling 12 month period	
			PM	0.04 tons per month	
				0.05 tons/rolling 12 month period	
			SO2	0.002 tons per month	
				0.003 tons/rolling 12 month period	
EU 65, EU 66	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period.	Sulfur in fuel	0.0015 % sulfur by weight	310 CMR 7.26(42), 310 CMR 7.05(1)(a)3., Operating Permit Application Renewal X227517

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 65, EU 66	ULSD		NA	Operational requirements[9]	310 CMR 7.26(42)(d)
		Maintenance checks and readiness testing must be recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. The check and testing is limited to 100 hours per year.	NA	NA	40 CFR 60.4211(e)
		Usage of unit is restricted to no more than 300 hours of operation per any rolling twelve month period including maintenance and testing and periods when the primary source for a facility has been lost during an emergency[5].	Sulfur in fuel	≤15 ppm	40 CFR 60.4207(b)
EU 69	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	Sulfur	15 ppm	310 CMR 7.03(10), 310 CMR 7.05(1)(a)3
			NOx	2.5 tons per month	Operating Permit Renewal Transmittal No. X227517
				3.0 tons/ rolling 12 month period	
			CO	0.5 tons per month	
				0.6 tons/ rolling 12 month period	

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 69	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	VOC	0.2 tons per month	Operating Permit Renewal Transmittal No. X227517
				0.2 tons/ rolling 12 month period	
			PM	0.2 tons per month	
				0.2 tons/ rolling 12 month period	
			SO_2	0.2 tons per month	
				0.2 tons/ rolling 12 month period	
EU 70	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	Sulfur	15 ppm	310 CMR 7.03(10), 310 CMR 7.05(1)(a)3
			NOx	3.0 tons per month	Operating Permit Renewal Transmittal No. X227517
				3.6 tons/ rolling 12 month period	

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 70	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	CO	0.8 tons per month	Operating Permit Renewal Transmittal No. X227517
				1.0 tons/ rolling 12 month period	
			VOC	0.09 tons per month	
				0.1 tons/ rolling 12 month period	
			SO_2	0.001 tons per month	
				0.002 tons/ rolling 12 month period	
EU 71	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period.	Sulfur	15 ppm	310 CMR 7.05(1)(a)3., 310 CMR 7.26(42)(c)
			NOx	3.3 tons per month	310 CMR 7.26(42), Transmittal No. X227517
				4.0 tons/ rolling 12 month period	
			CO	0.4 tons per month	
				0.5 tons/ rolling 12 month period	
			VOC	0.04 tons per month	
				0.04 tons/ rolling 12 month period	

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 71	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	PM	0.02 tons per month	310 CMR 7.26(42), Transmittal No. X227517
				0.03 tons/ rolling 12 month period	
			SO_2	0.1 tons per month	
				0.1 tons/ rolling 12 month period	
		The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period.	Sulfur in fuel	0.0015 % sulfur by weight	310 CMR 7.26(42), 310 CMR 7.05(1)(a)3., Operating Permit Application Renewal X227517
			NA	Operational requirements[9]	310 CMR 7.26(42)(d)

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 71	ULSD	Maintenance checks and readiness testing must be recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. The check and testing is limited to 100 hours per year.	NA	NA	40 CFR 60.4211(e)
			Sulfur in fuel	<15 ppm	40 CFR 60.4207(b)
EU 72- EU 77	Natural gas	The operation of the snowmelter shall be limited to 600 hours per month and 2,160 hour per rolling twelve month period	VOC	0.01 tons/month	310 CMR 7.02(8)(h), Operating Permit Application Renewal X227517
				0.03 tons per rolling twelve month period	
			CO	0.1 tons/month	
				0.4 tons per rolling twelve month period	
			PM	0.003 tons/month	
				0.01 tons per rolling twelve month period	
				0.10 lb/MMBtu	
			NOx	0.1 tons/month	
				0.5 tons per rolling twelve month period	
			SO_2	0.001 tons/month	
				0.003 tons per rolling twelve month period	
EU 78, EU 79	ULSD	Each snowmelter is limited to 200 hours of operation in one month and 300 hours per rolling 12-month period.	Sulfur in fuel	0.0015 % sulfur by weight	Operating Permit Application Renewal X227517

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 78, EU 79	ULSD	Each snowmelter is limited to 200 hours of operation in one month and 300 hours per rolling 12-month period.	PM	0.10 lb/MMBtu	310 CMR 7.02(8)(h)
			VOC	0.02 tons/month	Operating Permit Application Renewal X227517
				0.03 tons per rolling twelve month period	
			CO	0.3 tons/month	
				0.5 tons per rolling twelve month period	
			PM	0.1 tons/month	
				0.2 tons per rolling twelve month period	
			NOx	0.6 tons/month	
				0.8 tons per rolling twelve month period	
			SO_2	0.01 tons/month	
				0.02 tons per rolling twelve month period	
EU 80- EU 82	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period.	Sulfur in fuel	0.0015 % sulfur by weight	310 CMR 7.26(42), 310 CMR 7.05(1)(a)3., Operating Permit Application Renewal X227517

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 80- EU 82	ULSD		NA	Operational requirements[9]	310 CMR 7.26(42)(d)
		Maintenance checks and readiness testing must be recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. The check and testing is limited to 100 hours per year.	NA	NA	40 CFR 60.4211(e)
			Sulfur in fuel	<15 ppm	40 CFR 60.4207(b)
EU 80	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	VOC	0.3 tons/month	310 CMR 7.26(42), Operating Permit Application Renewal X227517
				0.4 tons per rolling twelve month period	
			CO	0.9 tons/month	
				1.1 tons per rolling twelve month period	
			PM	0.05 tons/month	
				0.06 tons per rolling twelve month period	
			NOx	1.1 tons/month	
				1.3 tons per rolling twelve month period	
			SO_2	0.001 tons/month	
				0.001 tons per rolling twelve month period	
EU 81	ULSD	See Below	VOC	0.2 tons/month	310 CMR 7.26(42), Operating Permit Application Renewal X227517

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
		The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	VOC	0.3 tons per rolling twelve month period	310 CMR 7.26(42), Operating Permit Application Renewal X227517
EU 81	ULSD		CO	0.2 tons/month	
				0.2 tons per rolling twelve month period	
			PM	0.01 tons/month	
				0.01 tons per rolling twelve month period	
			NOx	1.5 tons/month	
				1.7 tons per rolling twelve month period	
			SO_2	0.2 tons/month	
				0.2 tons per rolling twelve month period	
EU 82	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	VOC	0.1 tons/month	310 CMR 7.26(42), Operating Permit Application Renewal X227517
				0.2 tons per rolling twelve month period	
			CO	0.9 tons/month	
				1.1 tons per rolling twelve month period	
			PM	0.05 tons/month	
				0.1 tons per rolling twelve month period	
			NOx	1.1 tons/month	
				1.3 tons per rolling twelve month period	
			SO_2	0.1 tons/month	
				0.1 tons per rolling twelve month period	

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 83	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	VOC	0.002 g/kW-hr; 0.001 tons per rolling 12 months	310 CMR 7.26(42), Operating Permit Minor Modification Application X263142
			CO	0.012 g/kW-hr: 0.003 tons per rolling 12 months	
			PM	0.002 g/kW-hr: 0.001 tons per rolling 12 months	
			NOx	4.760 g/kW-hr: 1.28 tons per rolling 12 months	
			SO_2	0.0015 lb/MMBtu: 0.002 tons per rolling 12 months	
			NA	Operational requirements[9]	310 CMR 7.26(42)(d)
		Maintenance checks and readiness testing must be recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. The check and testing is limited to 100 hours per year.	NA	NA	40 CFR 60.4211(f)(2)(i)
			Sulfur in fuel	<15 ppm	40 CFR 60.4207(b)
EU 84-EU87	Natural gas	Usage of unit is restricted to no more than 600 hours per month and 2,160 hours per rolling twelve month period.	PM	0.10 lb/MMBtu	310 CMR 7.02(8)(h), Operating Permit Application Renewal X227517

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 88	ULSD	The engine/generator set shall only be operated during emergencies[5] and for routine maintenance and testing periods (during daytime only). Limit hours of operation of engine/ generator set to no more than 250 hours per month and 300 hours per rolling 12-month period	VOC	0.1 g/kW-hr; 0.009 tons per rolling 12 month period	310 CMR 7.26(42), Operating Permit Minor Modification Application X263142
			CO	0.9 g/kW-hr; 0.09 tons per rolling 12 month period	
			PM	0.14 g/kW-hr; 0.01 tons per rolling 12 months	
			NOx	3.8 g/kW-hr: 0.36 tons per rolling 12 months	
			SO_2	0.0015 lb/MMBtu: 0.001 tons per rolling 12 months	
			NA	Operational requirements[9]	310 CMR 7.26(42)(d)
		Maintenance checks and readiness testing must be recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. The check and testing is limited to 100 hours per year.	NA	NA	40 CFR 60.4211(f)(2)(i)
			Sulfur in fuel	<15 ppm	40 CFR 60.4207(b)

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 89	ULSD, with a sulfur content not to exceed 0.0015% by weight, shall be the only fuel used in the snowmelter	Operational limits are 200 hours per month and 300 hours per rolling 12 months.	NOx	0.41 tons per month 0.61 tons per rolling 12 month period	NE-14-005 dated October 22, 2014
			CO	0.25 tons per month 0.38 tons per rolling 12 month period	NE-14-005 dated October 22, 2014
			VOC	0.01 tons per month 0.02 tons per rolling 12 month period	NE-14-005 dated October 22, 2014
			PM	0.03 tons per month 0.05 tons per rolling 12 month period	NE-14-005 dated October 22, 2014
			SO2	0.004 tons per month 0.006 tons per rolling 12 month period	NE-14-005 dated October 22, 2014
			HAPs	0.002 tons per month 0.003 tons per rolling 12 month period	NE-14-005 dated October 22, 2014
			CO_2	406 tons per month 636 tons per rolling 12 month period	NE-14-005 dated October 22, 2014
			Opacity	< 10 % (exclusive of uncombined water)	NE-14-005 dated October 22, 2014
EU 91	ULSD, with a sulfur content not to exceed 0.0015% by weight, shall be the only fuel used in the snowmelter	Operational limits are 200 hours per month and 300 hours per rolling 12 months.	NOx	0.48 tons per month 0.71 tons per rolling 12 month period	NE-14-012 dated November 12, 2014
			CO	0.27 tons per month 0.41 tons per rolling 12 month period	NE-14-012 dated November 12, 2014
			VOC	0.015 tons per month 0.023 tons per rolling 12 month period	NE-14-012 dated November 12, 2014

Table 3

EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EU 91	ULSD, with a sulfur content not to exceed 0.0015% by weight, shall be the only fuel used in the snowmelter	Operational limits are 200 hours per month and 300 hours per rolling 12 months.	PM	0.047 tons per month 0.07 tons per rolling 12 month period	NE-14-012 dated November 12, 2014
			SO2	0.005 tons per month 0.008 tons per rolling 12 month period	NE-14-012 dated November 12, 2014
			HAPs	0.002 tons per month 0.003 tons per rolling 12 month period	NE-14-012 dated November 12, 2014
			CO_2	535 tons per month 838 tons per rolling 12 month period	NE-14-012 dated November 12, 2014
			Opacity	< 10 % (exclusive of uncombined water)	NE-14-012 dated November 12, 2014
EU ARFF-01 & EU ARFF-02	No. 2 fuel oil (primary) and natural gas (backup)		PM	0.2 tons per rolling 12 months (per boiler)	Operating Permit Minor Modification Application X263142
EU ARFF-01 & EU ARFF-02	No. 2 fuel oil (primary) and natural gas (backup)		SOx	0.6 tons per rolling 12 months (per boiler)	Operating Permit Minor Modification Application X263142
EU ARFF-01 & EU ARFF-02	No. 2 fuel oil (primary) and natural gas (backup)		NOx	1.8 tons per rolling 12 months (per boiler)	Operating Permit Minor Modification Application X263142
EU ARFF-01 & EU ARFF-02	No. 2 fuel oil (primary) and natural gas (backup)		VOC	0.07 tons per rolling 12 month period (per boiler)	Operating Permit Minor Modification Application X263142
EU ARFF-01 & EU ARFF-02	No. 2 fuel oil (primary) and natural gas (backup)		CO	1.0 tons per rolling 12 month period (per boiler)	Operating Permit Minor Modification Application X263142

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
EUB55-01 – EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	NO. 2 Fuel Oil	NA	HAPs	As required in § 63.11205, 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
EUB55-01 – EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	NO. 2 Fuel Oil	NA	HAPs	Conduct a tune-up of the boiler biennially as specified in section 63.11223 [10, 12]	40 CFR Part 63, Subpart JJJJJJ
EU4- EU 49, EU 55, EU 56, EU58-EU 87, EUB55-01– EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	All Fuels	NA	Opacity	< 20 percent, except 20 to < 40 percent for ≤ two (2) minutes during any one hour	310 CMR 7.06(1)(b)
			Smoke	< No. 1 of Chart[13] , except No. 1 to < No. 2 of Chart for ≤ six (6) minutes during any one hour	310 CMR 7.06(1)(a)
Facility-wide		NA	Greenhouse Gas[14]	NA	310 CMR 7.71 (state only)
			Single HAP	1.0 tons per month	Operating Permit Application Renewal X227517
				9 tons per rolling twelve month period	

Table 3					
EMISSION UNIT (EU)	FUEL/RAW MATERIAL	OPERATIONAL AND/OR PRODUCTION LIMITS	POLLUTANT	EMISSION LIMITS/ STANDARDS	APPLICABLE REGULATION AND/OR APPROVAL NUMBER
Facility-wide		NA	Total HAPs	2.5 tons per month 22.5 tons per rolling twelve month period	Operating Permit Application Renewal X227517

NO_x = Nitrogen Oxides
lb/MMBtu = pounds per million British thermal unit
CMR = Code of Massachusetts Regulation
SO_2 = Sulfur Dioxide
% = percent
CO = Carbon Monoxide
ppmvd = parts per million by volume dry
≤ = less than or equal to
PM = Total Particulate Matter
HAPs = hazardous air pollutants
CFR = Code of Federal Regulations
< = less than
hrs = hours
ppm = parts per million
ULSD = ultra low sulfur diesel containing a maximum of 0.0015 percent sulfur by weight
g/bhp-hr =grams per brake horsepower for one hour (engine output)
lb/hr = pounds per hour
VOC = Volatile Organic Compounds
g/kW-hr = grams per kilowatt hour
lb/gallon = pounds per gallon
mm Hg = millimeters of mercury
OPR = Operating Permit Renewal

Table 3 Foot Notes:

1. This emission limit is based on a one-hour average.
2. This emission limit is based on an annual calendar average.
3. This facility is subject to both 310 CMR 7.05(1)(a)1. Table 1 and 310 CMR 7.22(1). Compliance with 310 CMR 7.05(1)(a)1.Table 1 (0.05 percent by weight) shall constitute compliance with 310 CMR 7.22(1).
4. a.) 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.

   b.) 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.

c.) 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.

d.) 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.

e.) In accordance to Table 6to 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.

5. 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 or when capacity deficiencies result in a deviation of voltage from the electrical supplier to the premises of 3% above or 5% below standard voltage, or periods during which the regional transmission organization directs the implementation of voltage reductions, voluntary load curtailments by customers, or automatic or manual load shedding within Massachusetts in response to unusually low frequency, equipment overload, capacity or energy deficiency, unacceptable voltage levels, or other such emergency conditions.

6. This emission limit shall only apply to engine loads of 75% or greater.

7. This emission limit shall apply to all engine loads.

8. These emissions are based upon 80 percent particulate control efficiency via the Johnson Matthey System CRT particulate filter.

9. Operational limits include the following: 1. The engine shall not be operated more than 300 hours during any rolling 12-month period. This operating restriction includes normal maintenance and testing procedures as recommended by the manufacturer. A non-turnback hour counter shall be installed, operated and maintained in good working order on each unit. 2. The engine shall be operated and maintained in accordance with the

manufacturer's recommended operating and maintenance procedures. 3. Engines and associated equipment shall be constructed, located, operated and maintained in a manner to comply with the requirements of 310 CMR 7.10: Noise.

10. 40 CFR 63.11223(b) states; You must conduct a tune-up of the boiler biennially to demonstrate continuous compliance as specified in paragraphs (b)(1) through (5) and (7) of this section.
    (1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown, but you must inspect each burner at least once every 36 months).
    (2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
    (3)Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.
    (4) Optimize total emissions of carbon monoxide. This optimization should be consistent with the manufacturer's specifications, if available.
(5) Measure the concentrations in the effluent stream of carbon monoxide in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurement may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made).
(7) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within one week of startup.

11. In accordance with 310 CMR 7.18(8)(a)2., any leaks shall be repaired immediately, or the degreaser shall be shut down.

    In accordance with 310 CMR 7.18(8)(a)3., the following requirements shall apply unless the cold cleaning degreaser is a sink-like work area with a remote solvent reservoir with an open drain area less than 100 square centimeters:
    a. Each cold cleaning degreaser is equipped with a cover that is designed to be easily operated with one hand;
    b. Each cold cleaning degreaser is equipped to drain clean parts so that, while draining, the cleaned parts are enclosed for 15 seconds or until dripping ceases, whichever is longer;
    c. each cold cleaning degreaser is designed with:
        i. a freeboard ratio of 0.75 or greater; or
        ii. a water blanket (only if the solvent used is insoluble in and heavier than water); or
        iii. an equivalent system of air pollution control which has been approved by the Department and EPA;
    d. The covers of each cold cleaning degreaser are closed whenever parts are not being handled in the degreaser, or when the degreaser is not in use; and
    e. The drafts across the top of each cold cleaning degreaser are minimized such that when the cover is open the degreaser is not exposed to drafts greater than 40 meters

per minute (1.5 miles per hour), as measured between one and two meters upwind at the same elevation as the tank lip.

In accordance with 310 CMR 7.18(8)(e), on or after December 31, 1980 any person subject to 310 CMR 7.18(8)(a), (b), (c), or (d) shall operate any solvent metal degreaser using procedures which minimize evaporative emissions and prohibit spills from the use of said degreaser. Such procedures include but are not limited to:

1. Notification to operators of the performance requirements that must be practiced in the operation of the degreaser, including the permanent and conspicuous posting of labels in the vicinity of the degreaser detailing performance requirements; and
2. Storage of waste degreasing solvent in closed containers, and disposal or transfer of waste degreasing solvent to another party, in a manner such that less than 20% of the waste degreasing solvent by weight can evaporate into the atmosphere; and
3. Where applicable, supplying a degreasing solvent spray which is a continuous fluid stream (not a fine, atomized or shower type spray) at a pressure which does not exceed ten pounds per square inch as measured at the pump outlet, and use any such spray within the confines of the degreaser.

In accordance with 310 CMR 7.18(8)(f), any person subject to 310 CMR 7.18(8)(a), (b), (c), or (d) shall maintain instantaneous and continuous compliance at all times.

12 In accordance with 40 CFR 63.11205(a), you must operate and maintain any affected source at all times, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

13 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 the Department.

14 Greenhouse Gas means any chemical or physical substance that is emitted into the air and that the department may reasonably anticipate will cause or contribute to climate change including, but not limited to, CO_2, CH_4, N_2O, SF_6, hydrofluorocarbons (HFCs), and perfluorocarbons(PFCs)

B. COMPLIANCE DEMONSTRATION

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

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EU 1, EU 2, EU 3	1. In accordance with 310 CMR 7.19(13)(c) and Final Approval MBR-94-IND-022, annual compliance testing shall be performed on or before October 1 of each year. Conduct a NOx/CO minimization program as part of the required compliance testing for the subject boilers.
	2. Monitor operations such that a daily log may be maintained on the type of fuel(s) fired, heat content of each fuel, the total heating value of the fuel consumed for each day, the actual NOx emission rate, and the allowable NOx emission rate as required in Final Approval MBR-94-IND-022.
	3. Obtain certification from the fuel supplier for each shipment of fuel oil received that includes the following information: 1) the name of the oil supplier; 2) the nitrogen content of each oil shipment; and 3) the location where the sample was drawn for analysis to determine the nitrogen content of the oil as required in Final Approval MBR-94-IND-022.
	4. In accordance with Final Approval MBR-94-IND-022, perform compliance emission testing on the subject boilers to demonstrate compliance with 310 CMR 7.19(4) if and when requested by the Department. Any emissions testing shall be conducted in accordance with the US EPA test methodologies described in 40 CFR 60, or by such other methods as approved by the Department.
	5. In accordance with 310 CMR 7.04(2)(a), no person shall cause, suffer, allow, or permit the burning of any grade oil in any fuel utilization facility having an energy input capacity rated by the Department equal to or greater than 40 MMBtu/hr unless such facility is equipped with a smoke density 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 on the Chart.
	6. 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.
	7. Monitor or obtain records to determine compliance status with sulfur in fuel limitations contained in 310 CMR 7.05(1)(a)1 and 310 CMR 7.22(1).
	8. In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, as a minimum, calibrate the smoke density indicator system in accordance with the manufacturer's recommended procedures.

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EU 1, EU 2, EU 3	9. In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, the smoke density indicator, audible alarm and recorder system is used as an indicator to initiate corrective actions if the opacity level is in excess of the expected level, as defined in the Plan of Good Operating Practices, for: normal operation, startup**,** boiler fuel change or soot blowing.
	10. If measured opacity exceeds an applicable emission limit, the facility shall evaluate the exceedance to determine cause and if the Plan of Good Operating Practices was being followed during the exceedance period. The reason(s) and any corrective action shall be documented in a logbook or other permanent record. If more than three (3) exceedances of a particular type (startup, boiler fuel change, soot blowing.) should occur within a six (6) month period for any reason, then at the next scheduled event of that type, a Method 9 Test shall be conducted, and the Plan of Good Operating Practices should be revised if appropriate. Based upon the cause of exceedance, the Permittee may request waiver of the Method 9 Test requirement. Any request shall be in writing to the Department.
	11. In the event a smoke density indicator and recorder is out-of-service for more than two business days while a boiler is operating and firing oil, then a Method 9 Test shall be conducted at least once per day during normal operations and once per day during any scheduled soot blowing, boiler fuel change and/or startup events until the day that the smoke density indicator and recorder is placed back in service.
	12. In accordance with 310 CMR 7.06(1)(c), and the Plan of Good Operating Practices, the opacity levels during normal operation, soot blowing, startup, and boiler fuel change, as applicable, shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 at least once every twelve months.
	13. 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.

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EU 1, EU 2, EU 3	14. As required in § 63.11201, §63.11214 and Table 2 to Subpart JJJJJJ, perform a one-time energy assessment by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets of is amended to meet the energy assessment requirements herein satisfies the energy assessment requirement. The energy assessment must include: (1) A visual inspection of the boiler system, (2) An evaluation of operating characteristics of the facility, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints, (3) Inventory of major systems consuming energy from affected boiler(s), (4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage, (5) A list of major energy conservation measures, (6) A list of the energy savings potential of the energy conservation measures identified, (7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments. The energy assessment must be completed by March 21, 2014.
EU 4, EU 5	15. In accordance with 310 CMR 7.19(8)(b) and Final Approval MBR-94-IND-022, monitor the hours of operation for each emergency generator to determine compliance status with restrictions contained in Table 3 of this Permit.
	16. Monitor or obtain records to determine compliance status with sulfur in fuel limitations contained in 310 CMR 7.05(1)(a)3.
EU 6, EU 7, EU 9, EU 10, EU 11, EU 12, EU 13, EU 14, EU 15, EU 23, EU 24, EU 48, EU 49, EU 55, EU 56, EU69, EU70	17. In accordance with 310 CMR 7.02(2)(b)8. and 7.03(10), monitor the hours of operation to determine compliance status with operation restriction of 300 hours per rolling 12 month period, including the normal maintenance and testing procedures as recommended by the manufacturer.
EU 6, EU 7, EU 9, EU 10, EU 11, EU 12, EU 13, EU 14, EU 15, EU 23, EU 24, EU 48, EU 49, EU 55, EU 56, EU69, EU70	18. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor sulfur content of each new fuel shipment of fuel oil received. Compliance with the sulfur content of the fuel oil can be demonstrated through fuel oil analysis. The analysis of sulfur content of the fuel oil shall be in accordance with the applicable American Society of Testing Materials (ASTM) test methods or any other method approved by the Department and the EPA. Fuel oil sulfur information may be provided by fuel oil suppliers.

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EU 04 – EU 24, EU 48, EU 49, EU 55, EU 56, EU 69, EU 70 ("existing engines")	19. 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.
	20. In accordance with 40 CFR 63.6625(e), you 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.
	21. On or before the applicable compliance date of May 3, 2013, as referenced in 40 CFR Part 63, Subpart ZZZZ, Section 63.6625(f) install a non-resettable hour meter if one is not already installed on each of the subject reciprocating internal combustion engines (RICE).
	22. 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.
	23. Monitor operations, on or after the applicable compliance date of May 3, 2013, to ensure compliance with 40 CFR Part 63, Subpart ZZZZ Section 63.6640 (f)(1)(ii). As referenced in 40 CFR Part 63, Subpart ZZZZ Section 63.6640 (f)(1)(ii), and incorporated herein by reference, you may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year per EU.
	24. Monitor operations such that records can be maintained in accordance with 40 CFR 63.6655.
EU 16	25. In accordance with Final Approval MBR-99-COM-005, monitor operations to ensure that the generators are operated only under emergency situations, normal maintenance, and testing as recommended by the manufacturer.
	26. In accordance with Final Approval MBR-99-COM-005, monitor the hours of operation and fuel usage to determine compliance status with hourly and fuel usage restrictions outlined in Table 3 above.
	27. In accordance with Final Approval MBR-99-COM-005, monitor operations so that compliance status with emission limits contained in Table 3 can be determined.

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EU 16	28. In accordance with Final Approval MBR-99-COM-005, monitor the following information: - information on equipment type, make and model, and maximum power input/output - daily hours of operation, daily fuel consumption in gallons, fuel type, fuel sulfur content, fuel heating value, total hours operated per month and twelve month rolling calendar period, and total fuel consumption in gallons per month and twelve month rolling calendar period; and - purchase orders invoices, and other supporting documentation.
	29. In accordance with Final Approval MBR-99-COM-005, conduct emissions testing for the emergency generator when and if, in the opinion of the Department, such testing is deemed necessary.
EU 17, EU 18	30. In accordance with Final Approval MBR-99-COM-007, monitor operations to ensure that the generators are operated only under emergency situations, normal maintenance, and testing as recommended by the manufacturer.
	31. In accordance with Final Approval MBR-99-COM-007, monitor the hours of operation and fuel usage to determine compliance status with hourly and fuel usage restrictions outlined in Table 3 above.
	32. In accordance with Final Approval MBR-99-COM-007, monitor operations so that compliance status with emission limits contained in Table 3 can be determined.
	33. In accordance with Final Approval MBR-99-COM-007, monitor for each emergency generator the following information: - information on equipment type, make and model, and maximum power input/output - daily hours of operation, daily fuel consumption in gallons, fuel type, fuel sulfur content, fuel heating value, total hours operated per month and twelve month rolling calendar period, and total fuel consumption in gallons per month and twelve month rolling calendar period; and - purchase orders invoices, and other supporting documentation.
EU 19, EU 20	34. In accordance with Final Approval MBR-01-COM-044, monitor the amount of fuel consumed by using a fuel meter for each unit.
	35. In accordance with Final Approval MBR-01-COM-044, monitor operations to determine compliance status with the emission limitations contained in Table 3 above.
	36. In accordance with Final Approval MBR-01-COM-044, conduct emissions testing for the two emergency generators when and if, in the opinion of the Department, such testing is deemed necessary.
	37. Monitor or obtain records to determine compliance status with sulfur in fuel limitations contained in Final Approval MBR-01-COM-044.
EU 21	38. In accordance with Final Approval MBR-02-COM-027, monitor operating conditions to ensure that this equipment is only operated during emergency situations and for one-hour test/maintenance period once per week.

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EU 21	39. In accordance with Final Approval MBR-02-COM-027, monitor the amount of fuel consumed by using a fuel meter to determine compliance status with fuel limitations contained in Table 3 of this Permit.
	40. In accordance with Final Approval MBR-02-COM-027, monitor the sulfur content of the fuel being fired.
	41. In accordance with Final Approval MBR-02-COM-027, monitor operations to determine compliance status with the emission limitations contained in Table 3 above.
	42. In accordance with Final Approval MBR-02-COM-027, conduct emissions testing for the engine/generator set when and if, in the opinion of the Department, such testing is deemed necessary.
EU 25 –EU28, EU34- EU 42, EU 67 – EU 68	43. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor sulfur content of each new fuel shipment of fuel oil received. Compliance with the sulfur content of the fuel oil can be demonstrated through fuel oil analysis. The analysis of sulfur content of the fuel oil shall be in accordance with the applicable American Society of Testing Materials (ASTM) test methods or any other method approved by the Department and the EPA. Fuel oil sulfur information may be provided by fuel oil suppliers.
	44. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor the unit operations, as necessary, to ensure continuous compliance with PM emission limits, as applicable.
EU 25 –EU28, EU34- EU 42, EU 67 – EU 68	45. 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.
EU25-EU28, EU31-EU33B, EU67-EU68	46. 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. The first tune-up must be conducted by March 21, 2012. Each biennial tune-up must be conducted no more than 25 months after the previous tune-up.
	47. In accordance with 40 CFR 63.11210(c), for existing boilers that have applicable work practice standards, management practices of emission reduction measures, you must demonstrate initial compliance no later than March 21, 2012 according to the applicable provisions in 40 CFR 63.7(a)(2).
	48. In accordance with 40 CFR 63.11214(b), you must conduct a performance tune-up according to §63.11223(b).
	49. In accordance with 40 CFR 63.11223(a), conduct a biennial performance tune-up according to §63.11223(b). Each biennial tune-up must be conducted no more than 25 months after the previous tune-up.

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EU 44- EU47, EU 58- EU 60	50. In accordance with Modified Final Approval MBR-04-COM-004 dated March 17, 2006, use elapsed run time meters, or equivalent, that cannot be reset to track actual operating times of each engine and burner and calculate the emissions based on operating times to determine compliance status with emission limits contained in Table 3 above.
	51. In accordance with 310 CMR 7.04(4)(a), each fuel utilization facility shall be inspected and maintained in accordance with the manufacturer's recommendations and tested for efficient operation at least once in each calendar year.
	52. MassDEP may, in accordance with Regulation 310 CMR 7.13, require source emission testing ("stack testing"). All emission testing shall be conducted in accordance with U.S. EPA standard test methods.
EU 50	53. In accordance with 310 CMR 7.25(11)(f)1., upon the Department's request, perform or have performed tests to determine compliance status with 310 CMR 7.25(11) .
	54. In accordance with 310 CMR 7.25(11)(f)2., maintain records to determine compliance with 310 CMR 7.25(11) .
EU 51	55. In accordance with 310 CMR 7.24(3)(f), monitor to determine if the vapor balance system is maintained and operating properly.
	56. Monitor all maintenance performed, including type of maintenance performed and date the maintenance was performed such that records may be kept in accordance with 310 CMR 7.24(3)(f)2.
	57. Monitor all malfunctions, including type of malfunction, the date the malfunction was observed, and the date the malfunction was repaired such that records may be kept in accordance with 310 CMR 7.24(3)(f)3.
EU 51	58. Monitor all gauges, meters, or other specified testing device to determine if each is in proper working order so that compliance with 310 CMR 7.24(3)(f)4. can be determined.
	59. Monitor the daily throughput of any organic material with a true vapor pressure of 1.5 psia or greater under actual storage conditions such that records may be kept in accordance with 310 CMR 7.24(3)(f)5.
EU 54	60. Monitor meteorological conditions to determine if acceptable conditions exist to conduct fire fighting training in accordance with 310 CMR 7.07(3)(a).
EU 57	61. In accordance with 310 CMR 7.03(8) and 310 CMR 7.18(8)(a), monitor the amount of solvent(s) used, the vapor pressure of the solvent(s) used, and all work practices pertaining to degreasing activities.
	62. Monitor work practices and operation of degreaser(s) to maintain compliance with 310 CMR 7.18(8)(e).
	63. 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.

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EU 61- EU 64	64. In accordance with Final Approval MBR-05-COM-015 dated December 7, 2005, and Final Approval MBR-06-COM-008 dated November 27, 2006, separately track the hours of operation with elapse run time meters, which can not be reset, for both the engines and the burners and calculate the emissions based on operating times to determine compliance status with emission limits contained in Table 3 above.
	65. In accordance with 310 CMR 7.04(4)(a), each fuel utilization facility shall be inspected and maintained in accordance with the manufacturer's recommendations and tested for efficient operation at least once in each calendar year.
	66. MassDEP may, in accordance with Regulation 310 CMR 7.13, require source emission testing ("stack testing"). All emission testing shall be conducted in accordance with U.S. EPA standard test methods.
EU 65, EU 66, EU 71, EU 80 EU 81, EU 82, EU 83, EU 88	67. 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).
	68. 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.
	69. 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).
	70. In accordance with 40 CFR 60.4209, if you are an owner or operator of and 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.
	71. A non-turnback hour counter shall be installed, operated, and maintained in good working order as referenced in Regulation 310 CMR 7.26(42)(d)1.
EU 72-79, EU 84- EU87	72. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor the unit operations such that monthly records can be maintained and compliance status with operational limitations in Table 3 above can be determined.
	73. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor the unit operations, as necessary, to ensure continuous compliance with emission limits contained in Table 3 above, as applicable.

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EU 72-79, EU 84- EU87	74. 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.
EU 78, EU 79	75. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor sulfur content of each new fuel shipment of fuel oil received. Compliance with the sulfur content of the fuel oil can be demonstrated through fuel oil analysis. The analysis of sulfur content of the fuel oil shall be in accordance with the applicable American Society of Testing Materials (ASTM) test methods or any other method approved by the Department and the EPA. Fuel oil sulfur information may be provided by fuel oil suppliers.
EU 89	76. In accordance with NE-14-005 and 310 CMR 7.04(4)(a), each fuel utilization facility shall be inspected and maintained in accordance with the manufacturer's recommendations and tested for efficient operation at least once in each calendar year. The results of said inspection, maintenance and testing and the date upon which it was performed shall be recorded and posted conspicuously on or near the permitted equipment.
EU 89 & EU 91	77. In accordance with NE-14-005 and NE-14-012, monitor the hours of operation of the engine and each of the burners associated with the snowmelter. Track the hours of operation with elapse run time meters which cannot be reset. One elapse run time meter will track the operation of the engine, and two elapse run time meters will track the operation of the burners, one on each of the burners, such that total emissions can be calculated for the snowmelter.
EU 89 & EU 91	78. In accordance with NE-14-005 and NE-14-012, monitor sulfur content of each new shipment of fuel oil received. Sulfur content of the fuel can be demonstrated through fuel analysis. The analysis of sulfur content of the fuel shall be in accordance with the applicable American Society for Testing Materials (ASTM) test methods or any other method approved by the MassDEP and EPA. Fuel sulfur information may be provided by fuel suppliers.
EU 91	79. In accordance with NE-14-012 and 310 CMR 7.04(4)(a), inspect and maintain the burners associated with the snowmelter in accordance with the manufacturer's recommendations and test for efficient operation at least once in each calendar year. The results of said inspection, maintenance and testing and the date upon which it was performed shall be recorded and posted conspicuously on or near the permitted equipment.
EUB55-01 – EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	80. 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.

Table 4	
EU#	MONITORING/TESTING REQUIREMENTS
EUB55-01 – EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	81. In accordance with 40 CFR 63.11210(c), for existing boilers that have applicable work practice standards, management practices of emission reduction measures, you must demonstrate initial compliance according to the applicable provisions in 40 CFR 63.7(a)(2).
	82.. In accordance with 40 CFR 63.11214(b), you must conduct a performance tune-up according to §63.11223(b).
	83.. In accordance with 40 CFR 63.11223(a), conduct a biennial performance tune-up according to §63.11223(b). Each biennial tune-up must be conducted no more than 25 months after the previous tune-up.
Facility-Wide	84. In accordance with 310 CMR 7.13(1), any person owning, leasing, operating or controlling a facility for which the Department has determined that stack testing is necessary to ascertain compliance with the Department's regulations or design approval provisos shall cause such stack testing: (a) to be conducted by a person knowledgeable in stack testing, (b) to be conducted in accordance with procedures contained in a test protocol which has been approved by the Department, and (c) to be conducted in the presence of a representative of the Department when such is deemed necessary. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., conduct any other testing or testing methodology if and when requested by the Department or EPA.
Facility-Wide	85. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor facility operations such that compliance with the Annual Compliance Report required in Table 6 can be maintained.
	86. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor facility operations such that information may be compiled for the annual preparation of a Source Registration/Emission Statement as required by 310 CMR 7.12. Keep copies of all information supplied to the Department pursuant to 310 CMR 7.12 on site for five (5) years after the date the report is submitted.
	87. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor facility operations for instances of deviations from Permit conditions so that compliance with Table 6 can be maintained.
	88. In accordance with 310 CMR 7.71(1) and Appendix C(9) establish and maintain data systems or record keeping practices (e.g. fuel use records, SF6 usage documentation, Continuous Emissions Monitoring System) for greenhouse gas emissions to ensure compliance with the reporting provisions of M.G.L. c. 21N, the Climate Protection and Green Economy Act, St. 2008, c. 298, § 6. (state only)

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EU 1, EU 2, EU 3	1. In accordance with 310 CMR 7.13 and Final Approval MBR-94-IND-022, maintain records of the results of any compliance testing (stack testing) so that the reporting requirement in Table 6 of this Permit can be met.
	2. Maintain a daily log for each boiler including the type of fuel(s) fired, heat content of each fuel, the total heating value of the fuel consumed for each day, the actual NOx emission rate, and the allowable NOx emission rate in accordance with Final Approval MBR-94-IND-022.
	3. In accordance with Final Approval MBR-94-IND-022, maintain records of the certification provided by the fuel suppliers for each shipment of residual fuel oil that includes the following information; 1) the oil suppliers name, 2) the nitrogen content, 3) the location where the sample was drawn for analysis to determine the nitrogen content of the oil.
	4. In accordance with Final Approval MBR-94-IND-022, maintain a copy of the Standard Operating and Maintenance Procedure (SOMP) for the subject boilers at all times.
	5. 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.
	6. 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.
	7. In accordance with 310 CMR 7.06(1)(c), maintain records of the information specified in Table 5. The calendar date for each record shall be clearly identified on the record.
	8. In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, maintain smoke density indicator recorder records.
	9. In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, maintain all 40 CFR 60 Appendix A Method 9 records.
	10. In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, maintain a copy of the Plan of Good Operating Practices approved by the Department.
	11. In accordance with 310 CMR 7.06(1)(c), maintain a logbook or other permanent record that identifies the calendar date, start time, and end time for all smoke density indicator system calibrations.
	12. In accordance with 310 CMR 7.06(1)(c), maintain a logbook or other permanent record that identifies the calendar date, start time, and end time for any period of malfunction of the smoke density indicator, recorder and alarm system.
	13. In accordance with 310 CMR 7.06(1)(c), maintain a logbook or other permanent record that identifies the calendar date, start time, and end time for each startup, boiler fuel change and soot blow.
	14. In accordance with 310 CMR 7.06(1)(c), maintain a logbook or other permanent record that identifies the calendar date, start time, end time and a description of all maintenance performed on the smoke density indicator, recorder and audible alarm system.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EU 1, EU 2, EU 3	15. In accordance with 310 CMR 7.06(1)(c), maintain a logbook or other permanent record that identifies the calendar date, start time, end time and a description of the operating conditions for each event when the smoke density indicator, recorder and alarm system or Method 9 observations identifies that the opacity exceeded the level for the specific operating condition identified in Table 3.
	16. In accordance with 310 CMR 7.06(1)(c), maintain a copy of the certification of the qualified observer for each 40 CFR 60, Appendix A, Method 9 observation.
	17. In accordance with 40 CFR Part 63.11225(b), prepare a biennial compliance report as specified in paragraphs 63.11225(b)(1) through (4). Prepare the first report by March 1, 2015. Subsequent reports must be prepared by March 1st of every other year.
	18. In accordance with 40 CFR Part 63.11225(c)(1) and as required in §63.10(b)(2)(xiv), 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.
	19. In accordance with 40 CFR Part 63.11225(c)(2)(i), keep records to document conformance with the work practices, emission reduction measures, and management practices required by §63.11214. Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.
	20. In accordance with 40 CFR Part 63.11223(6), maintain on-site biennial reports containing the following: (i) the concentrations of the 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 boiler (iii)the type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler
	21. In accordance with 40 CFR Part 63.11225(c)(2)(ii), keep records documenting the 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.
	22. In accordance with 40 CFR Part 63.11225(c)(4), keep records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.
	23. In accordance with 40 CFR Part 63.11225(c)(5), keep 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.
	24. In accordance with 40 CFR Part 63.11225(d), records must be in a form suitable and readily available for expeditious review. Records must be kept for five (5) years following the date of each recorded action.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EU 4, EU 5	25. In accordance with 310 CMR 7.19(8)(b) and Final Approval MBR-94-IND-022, maintain records the hours of operation and for each emergency generator to determine compliance status with restrictions contained in Table 3 of this Permit.
	26. Maintain record to demonstrate compliance status with sulfur in fuel limitations contained in 310 CMR 7.05(1)(a)3.
EU 6, EU 48, EU 49	27. In accordance with 310 CMR 7.02(8)(i), establish and maintain the following records: • Information on the equipment type, make and model, and maximum power input/output; and • A monthly logs of hours of operation, gallons of fuel used, fuel type and heating value, and a monthly calculation of the total hours operated and gallons of fuel used in the previous 12 months shall be kept on site; and • Purchase orders, invoices, and other documents to support information in the monthly log.
EU 7, EU 9, EU 10, EU 11, EU 12, EU 13, EU 14, EU 15, EU 23, EU 24, EU 55, EU 56, EU 69, EU 70	28. In accordance with 310 CMR 7.03(6), a record keeping system shall be established and continued in sufficient detail to document the date of construction, substantial reconstruction or alteration and that the respective emission rates, operational limitations, equipment specifications and other requirements pursuant to 310 CMR 7.03 are met. All records shall be maintained up-to-date such that year -to-date information is readily available for MassDEP examination.
EU 6, EU 7, EU 9, EU 10, EU 11, EU 12, EU 13, EU 14, EU 15, EU 23, EU 24, EU 48, EU 49, EU 55, EU 56, EU 69, EU 70	29. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain fuel oil analysis results used to demonstrate compliance with fuel oil sulfur content requirements.
EU 04 – EU 24, EU 48, EU 49, EU 55, EU 56, EU 69, EU 70 ("existing engines")	30. Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., maintain records so that compliance with the reporting requirements in Table 6 of this Permit can be maintained.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EU 04 – EU 24, EU 48, EU 49, EU 55, EU 56, EU 69, EU 70 ("existing engines")	31. 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.
	32. On or after the applicable compliance date of May 3, 2013, as referenced in 40 CFR 63.6655(e) and incorporated herein by reference, keep records of the maintenance conducted on the stationary RICE. Please see Special Terms and Conditions of this Permit.
	33. On or after the applicable compliance date of May 3, 2013, as referenced in 40 CFR 63.6655(f) and incorporated herein by reference, keep records of the hours of operation of each subject EU that is recorded through the non-resettable hour meter.
EU 16	34. To determine compliance status with operational requirements contained in Final Approval MBR-99-COM-005, record operating conditions to ensure that the generator is operated only in emergency situations, normal maintenance, and testing as recommended by the manufacturer.
	35. To determine compliance status with hourly and fuel restrictions contained in Final Approval MBR-99-COM-005, record the hours of operation and fuel usage of the generator.
	36. Record operations so that compliance status with Final Approval MBR-99-COM-005 can be determined.
	37. In accordance with Final Approval MBR-99-COM-005, keep ongoing records for the emergency generator that include: - information on equipment type, make and model, and maximum power input/output - daily hours of operation, daily fuel consumption in gallons, fuel type, fuel sulfur content, fuel heating value, total hours operated per month and twelve month rolling calendar period, and total fuel consumption in gallons per month and twelve month rolling calendar period; and - purchase orders invoices, and other supporting documentation.
	38. In accordance with Final Approval MBR-99-COM-005, maintain records of emissions testing performed on the emergency generator.
	39. In accordance with Final Approval MBR-99-COM-005, maintain a copy of the Final Approval letter and Standard Operating and Maintenance Procedures in an accessible location at or near the equipment.
EU 17, EU 18	40. To determine compliance status with operational requirements contained in Final Approval MBR-99-COM-007, record operating conditions to ensure that the generators are operated only in emergency situations, normal maintenance, and testing as recommended by the manufacturer.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EU 17, EU 18	41. To determine compliance status with hourly and fuel restrictions contained in Final Approval MBR-99-COM-007, record the hours of operation and fuel usage of each generator.
	42. Record operations so that compliance status with Final Approval MBR-99-COM-007 can be determined.
	43. In accordance with Final Approval MBR-99-COM-007, keep ongoing records for each emergency generator that include: - information on equipment type, make and model, and maximum power input/output - daily hours of operation, daily fuel consumption in gallons, fuel type, fuel sulfur content, fuel heating value, total hours operated per month and twelve month rolling calendar period, and total fuel consumption in gallons per month and twelve month rolling calendar period; and - purchase orders invoices, and other supporting documentation.
	44. In accordance with Final Approval MBR-99-COM-007, maintain records of emissions testing performed on the two emergency generators.
	45. In accordance with Final Approval MBR-99-COM-007, maintain a copy of the Final Approval letter and Standard Operating and Maintenance Procedures in an accessible location at or near the equipment.
EU 19, EU 20	46. In accordance with Final Approval MBR-01-COM-044, record the amount of fuel consumed for each unit using a fuel meter and recorder.
	47. In accordance with Final Approval MBR-01-COM-044, maintain a copy of the Final Approval letter and Standard Operating and Maintenance Procedure for the subject equipment affixed at or adjacent to the subject equipment.
	48. In accordance with Final Approval MBR-01-COM-044, maintain adequate records to demonstrate compliance with the emission caps contained in Table 3 above.
EU 21	49. In accordance with Final Approval MBR-02-COM-027, maintain a copy of the Final Approval letter and Standard Operating and Maintenance Procedure for the subject equipment affixed at or adjacent to the subject equipment.
	50. In accordance with Final Approval MBR-02-COM-027, maintain adequate monthly records to demonstrate that the NOx, CO, VOC, PM, and SO2 emissions from the subject engine do not exceed the emission levels specified in Table 3 of this Permit. At a minimum, the information shall include the amount of fuel used during the month and actual emissions of NOx, CO, VOC, PM and SO2 for the month as well as the prior 11 months.
	51. In accordance with Final Approval MBR-02-COM-027, keep monthly records of maintenance activities for the subject engine/generator set.
EU 25-EU 28, EU 34- EU 42, EU 67 – EU 68	52. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain fuel oil analysis results used to demonstrate compliance with fuel oil sulfur content requirements.
	53. Pursuant to the Department'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, as applicable.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EU 25-EU 28, EU 34- EU 42, EU 67 – EU 68	54. 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.
EU25-EU28, EU31-EU33B, EU67-EU68	55. 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.
	56. In accordance with 40 CFR 63.11223(6), maintain onsite biennial 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 biennial tune-up of the boiler.
	57. In accordance with 40 CFR 63.11223(a), keep records as required in §63.11225(c).
EU25-EU28, EU31-EU33B, EU67-EU68	58. 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. (4) records if the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. (5) 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.
	59. In accordance with 40 CFR §63.11225(b), prepare a biennial 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. Prepare the first Biennial Compliance Certification Report by march 1, 2015 with subsequent reports prepared biennially by March 1st.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EU25-EU28, EU31-EU33B, EU67-EU68	60. In accordance with 40 CFR 63.11225(d), your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1). As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each recorded action.
EU 44-EU47, EU58-EU60	61. In accordance with Modified Final Approval MBR-04-COM-004, Massport shall maintain adequate monthly records to demonstrate that the NOx, CO, VOC, SO2 and PM emissions from the subject snowmelters do not exceed the emission levels specified in Table 3 above. At a minimum, the information shall include the amount of fuel used or hours of operation during the month for the subject snowmelters, and the actual emissions (i.e. actual fuel or hours of operation multiplied by emission rate) of NOx, CO, VOC, SO2 and PM for the month, as well as the prior 11 months.
	62. In accordance with Modified Final Approval MBR-04-COM-004 and 310 CMR 7.04(4)(a), Massport shall keep records of maintenance activities for the subject snowmelters. These records shall be maintained on-site for a minimum of five years and shall be made available to Department personnel upon request.
EU 50	63. Maintain records of tests determining VOC content such that compliance status with 310 CMR 7.25(11)(b) can be determined.
	64. In accordance with 310 CMR 7.25(11)(f)2., maintain records for five consecutive years to determine compliance status with 310 CMR 7.25(11)(b).
EU 51	65. Maintain records of all maintenance performed, including type of maintenance performed and date the maintenance was performed in accordance with 310 CMR 7.24(3)(f)2.
	66. Maintain records of all malfunctions, including type of malfunction, the date the malfunction was observed, and the date the malfunction was repaired in accordance with 310 CMR 7.24(3)(f)3.
	67. Maintain records of the operational status of all gauges, meters, or other specified testing device to determine if it is in proper working order so that compliance with 310 CMR 7.24(3)(f)4. can be determined.
	68. Maintain records of the daily throughput of any organic material with a true vapor pressure of 1.5 psia or greater under actual storage conditions in accordance with 310 CMR 7.24(3)(f)5.
EU 54	69. Record the meteorological conditions when conducting fire fighting training exercises in accordance with 310 CMR 7.07(3)(a).
EU 57	70. 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.
	71. 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
EU 61 - EU 64	72. In accordance with Final Approval MBR-05-COM-015 and Final Approval MBR-06-COM-008, a record keeping system shall be established and continued on site. All records shall be maintained up-to-date such that year-to-date information is readily available for MassDEP examination. Record keeping shall, at a minimum, include: a)The initiation and completion dates for the proposed construction; b)Fuel usage log. This log may consist of standard bills for fuel usage; c) Maintenance. A record of routine maintenance activities including, at a minimum, the type or a description of the maintenance performed and the date and time the work was completed; d) Malfunctions. A record of all malfunctions including, at a minimum: the date and time the malfunction occurred; a description of the malfunction and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the facility returned to compliance. e) All records shall be kept on site for five (5) years from date of record and shall be made available to MassDEP upon request.
EU 61 - EU 64, EU 83, EU 88	73. 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.
EU 65, EU 66, EU 71, EU 80, EU 81, EU 82, EU 83, EU 88	74. In accordance with 310 CMR 7.26(42)(f), maintain record information on the following 1. Information on equipment type, make and model, and related power output; and 2. A monthly log of hours of operation, fuel type, heating value and sulfur content for fuel oil. A monthly calculation of the total hours operated in the previous 12 months; and 3. Purchase orders, invoices, and other documents to substantiate information in the monthly log; and 4. Copies of certificates and documents from the manufacturer related to certificates. Such records shall be maintained on site or for remote locations, at the closest facility where records can be maintained and shall be made available to MassDEP or its designee upon request. The owner or operator shall certify that records are accurate and true in accordance with 310 CMR 7.01(2)(a) through(c).
EU 72-EU 79, EU 84- EU87	75. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., record the unit operations such that compliance status with operational limitations in Table 3 above can be determined.
	76. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., record unit parameters, as necessary, to ensure continuous compliance with emission limits contained in Table 3 above, as applicable.
	77. 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.
EU 78, EU 79	78. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain fuel oil analysis results used to demonstrate compliance with fuel oil sulfur content requirements.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EU 89 & EU 91	79. In accordance with NE-14-005 and NE-14-012, maintain records of the inspection and maintenance activities performed on the approved Emission Unit, and monitoring equipment in accordance with 310 CMR 7.04(4)(a) and manufacturer's recommendations. The records shall include, at a minimum, the type or a description of the inspection and/or maintenance activities performed and the date and time the work was completed.
EU 89 & EU 91	80. In accordance with NE-14-005 and NE-14-012, record and maintain records of the hours of operation of the engine and of the burners associated with the approved Emission Unit and record the emissions based on operating times. 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 http://www.mass.gov/dep/air/approvals/aqforms.htm#report . The actual emissions shall not exceed the allowable emissions in Table 3 for monthly and twelve month rolling emissions respectively.
EU 89 & EU 91	81. In accordance with NE-14-005 and NE-14-012, maintain fuel oil analysis results used to demonstrate compliance status with the fuel oil sulfur content requirement contained in Table 3 above.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EU 89 & EU 91	82. In accordance with NE-14-005 and NE-14-012, A recordkeeping system shall be established and maintained on site. All records shall be maintained up-to-date such that year-to-date information is readily available for MassDEP examination. Record keeping for the approved Emission Unit and monitoring equipment shall, at a minimum, include: a) The initiation and completion dates for the proposed construction. b) Fuel usage log. The Permittee shall record the hours of operation for each burner and the engine each time EU 89 & EU 91 is operated. c) Maintenance. A record of routine maintenance activities including, at a minimum, the type or a description of the maintenance performed and the date and time the work was completed. d) Malfunctions. A record of all malfunctions including, at a minimum: the date and time the malfunction occurred; a description of the malfunction and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the facility returned to compliance. e) Records shall be maintained documenting the air contaminant emission analysis supporting the response to BWP AQ -1 Section D. All records shall be kept on site for five (5) years from date of record and shall be made available to MassDEP upon request
EU 89 & EU 91	83. In accordance with NE-14-005 and NE-14-012, maintain a copy of this Plan Approval, underlying Application and the most up-to-date Standard Operating and Maintenance Procedure (SOMP) for the Emission Unit approved herein on-site.
EU 89 & EU 91	84. In accordance with NE-14-005 and NE-14-012, a copy of this Plan Approval, underlying Application and the most up-to-date SOMP shall be easily accessible to personnel operating the subject equipment and for inspection by MassDEP personnel upon request.
EU 89 & EU 91	85. In accordance with NE-14-005 and NE-14-012, maintain records required by this Plan Approval on-site for a minimum of five (5) years.
EU 89 & EU 91	86. In accordance with NE-14-005 and NE-14-012, make records required by this Plan Approval available to MassDEP and USEPA personnel upon request.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
EUB55-01 – EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	87. 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.
EUB55-01 – EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	88. In accordance with 40 CFR 63.11223(6), maintain onsite biennial 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 biennial tune-up of the boiler.
	89. In accordance with 40 CFR 63.11223(a), keep records as required in §63.11225(c).
EUB55-01 – EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	90. 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 (iii) 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 (iv) 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. (4) records if the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment. (5) 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.
	91. In accordance with 40 CFR §63.11225(b), prepare a biennial 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. Prepare the first Biennial Compliance Certification Report by march 1, 2015 with subsequent reports prepared biennially by March 1st.
	92. In accordance with 40 CFR 63.11225(d), your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1). As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each recorded action.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
Facility-Wide	93. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain a record of any exceedance of any limitation/restriction established in Table 3 of this Permit so that compliance with Table 6 of this Permit can be maintained.
	94. The Permittee shall maintain records of all monitoring data and supporting information on site for a period of at least five (5) years from the date of the monitoring sample, measurement, report or Operating Permit Application. Supporting information includes at a minimum, all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and copies of all reports required by the Operating Permit, and any other information required to interpret the monitoring data. Records required to be maintained shall include, where applicable: 1. The date, place as defined in the Permit, and time of sampling or measurements; 2. The date(s) analyses were performed; 3. The company or entity that performed the analyses; 4. The analytical techniques or methods used; 5. The results of such analyses; and 6. The operating conditions as existing at the time of sampling or measurement as provided in 310 CMR 7.00:Appendix C(10)(b) incorporated herein by reference.
	95. Maintain fuel purchase records in order to demonstrate compliance with fuel oil sulfur content requirements as referenced in 310 CMR 7.05(1) incorporated herein by reference.
	96. In accordance with Final Approval MBR-96-IND-028, maintain an Environmental Logbook which shall document all actions associated with environmental issues and overall emissions changes at the facility. The facility shall record information such as the results of federal, state, or local environmental inspections; maintenance or corrective actions related to equipment at the facility, and measures taken to lower overall emissions at the facility. This logbook shall be made available to Department personnel upon request.
	97. Maintain a record of the results of any required testing so that the stack testing report can be submitted to the Department as provided in 310 CMR 7.13(1)(d) and incorporated herein by reference.
	98. Maintain records for the annual preparation of a Source Registration/Emission Statement From as required by 310 CMR 7.12. Copies of the Source Registration/Emission Statements shall be retained by the facility owner or operator for five years from the date of submittal.
	99. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain facility records such that compliance with the Annual Compliance Report submittal required in Table 6 can be maintained.
	100. Pursuant to the Department's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain facility records for instances of deviations from Permit conditions so that compliance with Table 6 can be maintained.
	101. All records shall be maintained on-site for a period of at least five years as provided in 310 CMR 7.00: Appendix C(10)(b).
	102. Maintain on-site records to document compliance with the emission limits/standards and restrictions contained in Table 3 of this Permit.

Table 5	
EU#	RECORD KEEPING REQUIREMENTS
Facility-Wide	103. In accordance with 310 CMR 7.71 (6) b. and c. retain at the facility for five years and make available to the Department upon request copies of the documentation of the methodology and data used to quantify emissions. (state only)

Table 6	
EU#	REPORTING REQUIREMENTS
EU 1, EU 2, EU 3	1. In accordance with 310 CMR 7.19(13)(c) and Final Approval MBR-94-IND-022, submit a pretest protocol to the Department's Northeast Regional Office, 205B Lowell Street, Wilmington, MA 01887, Attention BWP Permit Chief, at least 60 days prior to the anticipated date of compliance testing, for written approval by the Department.
	2. In accordance with 310 CMR 7.19(13)(c) and Final Approval MBR-94-IND-022, a compliance test results report shall be submitted to the Department's Northeast Regional Office, 205B Lowell Street, Wilmington, MA 01887, Attention BWP Permit Chief, within 60 days of completion of testing, for review and written approval by the Department.
	3. In accordance with Final Approval MBR-94-IND-022, submit records and certification reports to the Department or US EPA within 10 days of request. Additionally, said records shall be made available to Department personnel upon request.
	4. In accordance with 310 CMR 7.06(1)(c), notify the Department, in writing, of any 40 CFR 60, Appendix A, Method 9 test result that indicates the percent opacity to be in excess of that defined in Table 3. The notice shall be given within one business day**.** Within three business days the Permittee shall submit*:* a copy of the Method 9 data sheet(s), copy of smoke density indicator records, an explanation for the elevated opacity, and any proposed revisions to the Plan of Good Operating Practices which will be implemented so as to prevent a recurrence of said exceedance in the future.
	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 63.11214(c), you must submit a signed certification in the Notification of Compliance Status report that an energy assessment of the boiler and its energy use systems was completed and submit, upon request, the energy assessment report.
	7. In accordance with 40 CFR 63.11225(a)(4), you must submit the Notification of Compliance Status in accordance with §63.9(h) no later than July 19, 2012. In addition to the information required in §63.9(h)(2), your notification must include the following certification of compliance, and signed by a responsible official: "This facility complies with the requirements in §63.11214 to conduct an initial tune-up of the boiler." And, for an energy assessment, notification must be given no later than July 19, 2014 and the notification must include the following certification of compliance, and signed by a responsible official: "This facility has had an energy assessment performed according to §63.11214(c).".
	8. In accordance with 40 CFR 63.11223(b)(6), submit, if requested by the Administrator, biennial 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 biennial tune-up of the boiler.

Table 6	
EU#	REPORTING REQUIREMENTS
EU 1, EU 2, EU 3	9. 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.
EU 4, EU 5	10. In accordance with Final Approval MBR-94-IND-022, if the hours of operation exceed 300 hours during any consecutive 12 month period, then said generators shall immediately comply with the appropriate NOx RACT requirement in 310 CMR 7.19(8) for non-emergency engines and shall notify the Department within 30 days thereof.
EU 04 – EU 24, EU 48, EU 49, EU 55, EU 56, EU 69, EU 70 ("existing engines")	11. 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. Sources must report any failure to perform the management practice on the schedule required and the Federal State, or local law under which the risk was deemed unacceptable.
EU 16	12. In accordance with Final Approval MBR-99-COM-005, a copy of the information or monthly log detailing the operations of the emergency generator shall be submitted to the Department at the time of required 310 CMR 7.12 Source Registration/Emission Statement Form reporting.
EU 17, EU 18	13. In accordance with Final Approval MBR-99-COM-007, a copy of the information or monthly log detailing the operations of the two emergency generators shall be submitted to the Department at the time of required 310 CMR 7.12 Source Registration/Emission Statement Form reporting.
EU 19, EU 20	14. The Northeast Regional Bureau of Waste Prevention office, attention Compliance and Enforcement Chief, must be notified by telephone (978-694-3200), email at nero.air@state.ma.us or fax 978-694-3499, within but no later than one business day, and subsequently in writing within seven days, after the occurrence of any upsets or malfunctions to facility equipment, which result in an excess emission to the air and/or a condition of air pollution. This notification is required in Final Approval MBR-01-COM-044.
EU 21	15. The Northeast Regional Bureau of Waste Prevention office, attention Compliance and Enforcement Chief, must be notified by telephone (978-694-3200), email at nero.air@state.ma.us or fax 978-694-3499, within but no later than one business day, and subsequently in writing within seven days, after the occurrence of any upsets or malfunctions to facility equipment, which result in an excess emission to the air and/or a condition of air pollution. This notification is required in Final Approval MBR-02-COM-027.

Table 6	
EU#	REPORTING REQUIREMENTS
EU 44-EU 47, EU 58- EU 60	16. In accordance with Final Approval MBR-04-COM-004, The Northeast Regional Bureau of Waste Prevention office, attention Compliance and Enforcement Chief, must be notified by telephone (978-694-3200), email at nero.air@state.ma.us or fax 978-694-3499, within but no later than one business day, and subsequently in writing within seven days, after the occurrence of any upsets or malfunctions to facility equipment, which result in an excess emission to the air and/or a condition of air pollution.
EU 54	17. In accordance with 310 CMR 7.07(3)(a), notify and obtain specific approval from the Department prior to commencement of fire fighting training activities.
EU 61- EU 64	18. In accordance with Final Approval MBR-05-COM-015 and Final Approval MBR-06-COM-008, any construction, substantial reconstruction or alteration, as described in 310 CMR 7.02(2), at a facility subject to the reporting requirements of 310 CMR 7.12, shall be reported to MassDEP on the next required Emission Statement Forms.
	19. In accordance with Final Approval MBR-05-COM-015 and Final Approval MBR-06-COM-008, The Regional Bureau of Waste Prevention office must be notified by telephone or fax as soon as possible after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and a condition of air pollution.
EU 89 & EU 91	20. In accordance with NE-14-005 and NE-14-012, notify the Northeast Regional Office of MassDEP, BAW Compliance and Enforcement Chief by telephone at 978-694-3200, email, 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 3 requirements. A written report shall be submitted to the Compliance and Enforcement 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).
EU 89 & EU 91	21. In accordance with NE-14-005 and NE-14-012, submit to MassDEP all information required by this Plan Approval 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).
EU 89 & EU 91	22. In accordance with NE-14-005 and NE-14-012, provide a copy to MassDEP of any record required to be maintained by this Plan Approval within 30-days from MassDEP's request.
EUB55-01 – EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	23. 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.
	24. In accordance with 40 CFR 63.11224(a)(4), you must submit the Notification of Compliance Status in accordance with §63.9(h) no later than July 19, 2012. In addition to the information required in §63.9(h)(2), your notification must include the following certification of compliance, and signed by a responsible official: "This facility complies with the requirements in §63.11214 to conduct an initial tune-up of the boiler.".

Table 6	
EU#	REPORTING REQUIREMENTS
EUB55-01 – EU B55-03, EU ARFF-01-EU ARFF-04, EU B54-01	25. In accordance with 40 CFR 63.11223(b)(6), submit, if requested by the Administrator, biennial 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 biennial tune-up of the boiler.
	26. 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.
Facility-Wide	27. Submit a Source Registration/Emission Statement Form to the Department on an annual basis as required by with 310 CMR 7.12.
	28. In accordance with 310 CMR 7.13(1) and 7.13(2), if determined by the Department that stack testing is necessary to ascertain compliance with the Department's regulations or design approval provisos shall cause such stack testing to be summarized and submitted to the Department as prescribed in the agreed to pretest protocol.
	29. Upon the Department's request, any record relative to the Operating Permit or to the emissions of any air contaminant from the facility shall be submitted to the Department within 30 days of the request by the Department or within a longer time period if approved in writing by the Department, and shall be transmitted on paper, on computer disk, or electronically at the discretion of the Department, pursuant to 310 CMR 7.00: Appendix C(10)(a) incorporated herein by reference.
	30. Submit by January 30 and July 30 for the previous six months respectively, a summary of all monitoring data and related supporting information to the Department as required by 310 CMR 7.00: Appendix C(10)(c) and General Condition No. 10 of this Permit.
	31. Promptly report to the Department all instances of deviations from Permit requirements by telephone or fax, within three days of discovery of such deviation, as provided in 310 CMR 7.00: Appendix C(10)(f), incorporated herein by reference and General Condition No. 25 of this Permit.
	32. Submit Annual Compliance Report to the Department and USEPA on or before January 30 as required in General Condition 10 of this Permit. All reports must be certified by a responsible official as provided in 310 CMR 7.00: Appendix C(10)(h) and incorporated herein by reference.
	33. All required reports must be certified by a responsible official pursuant to 310 CMR 7.00:Appendix C(10)(h) incorporated herein by reference.

Table 6	
EU#	REPORTING REQUIREMENTS
Facility-Wide	34. In accordance with 310 CMR 7.71(5), by April 15th, 2010 and April 15th of each year thereafter report emissions of greenhouse gases from stationary emissions sources including, but not limited to, emissions from factory stacks, manufacturing processes and vents, fugitive emissions, and other process emissions; and owned or leased motor vehicles when stationary source greenhouse gas emissions are greater than 5,000 short tons CO2e. Report greenhouse gas emissions electronically in a format that can be accommodated by the registry. (state only)
	35 . In accordance with 310 CMR 7.71(6), certify greenhouse gas emissions reports using a form provided by the Department or the registry. (state only)
	36. . In accordance with 310 CMR 7.71(7), by December 31st of the applicable year submit to the Department documentation of triennial verification of the greenhouse gas emissions report. (state only)

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	DESCRIPTION
40 CFR Part 64	Compliance Assurance Monitoring

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.	
SPECIAL TERMS AND CONDITIONS	
Facility-Wide	1. That should any nuisance condition(s) occur as a result of the operation of this facility, then appropriate steps shall immediately be taken to abate said nuisance condition(s). (State Only Applicable per 310 CMR 7.01(1))
	2. Any net NO_x emissions increase occurring over a period of five consecutive calendar years which equates to 25 or more tons of NO_x shall become subject to Nonattainment Review, as per the requirements of 310 CMR 7.00:Appendix A.
	3. The Permittee is subject to and shall follow timelines for compliance with 310 CMR 7.30, "Massport/Logan Airport Parking Freeze".
	4. The Permittee is subject to 42 U.S.C. 7401, §112(r) "General Duty" clause.

Table 8.	
SPECIAL TERMS AND CONDITIONS	
	5. The Permittee is subject to, and has stated in their Operating Permit Renewal Application, Transmittal No. X227517, that they are in compliance with the requirements of 40 CFR 82: Protection of Stratospheric Ozone. These requirements are applicable to this facility and the United States Environmental Protection Agency enforces these requirements.
	6. 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.
EU 44-EU47, EU58-EU64	7. In accordance with Final Approval MBR-04-COM-004, Final Approval MBR-05-COM-015, and Final Approval MBR-06-COM-008, The Permittee shall operate the subject snowmelters such that the exhaust will not impact any fresh air intakes for the terminals and any other buildings on the airport property.
	8. In accordance with Final Approval MBR-04-COM-004, Final Approval MBR-05-COM-015, and Final Approval MBR-06-COM-008, the exhaust gases from each engine shall exit vertically and shall not be impeded by any stack exit rain protection devices.
EU 44- EU47, EU58-EU60	9. In accordance with Final Approval MBR-04-COM-004, Final Approval MBR-05-COM-015, and Final Approval MBR-06-COM-008, Noise from the EUs during initial startup and routine operation, including startups and shutdowns, shall not exceed MassDEP noise guidelines and shall not cause a condition of air pollution as defined in 310 CMR 7.01 and 7.10.
EU 44- EU47, EU58-EU60	10. In accordance with Final Approval MBR-04-COM-004, should any nuisance condition(s) be generated by the operation of EU 44-47 and EU58-60, then appropriate steps shall immediately be taken by the Permittee to abate said nuisance condition(s).
	11. In accordance with MBR- 04-COM-004, the Permittee may operate EU44-EU47 and EU 58-EU 60 snowmelters to allow for flexibility of hours on each snowmelter. The hours of operation of the three snowmelters with John Deere engines shall not exceed a total of 600 hours per month and a total of 900 hours per rolling twelve months. The hours of operation of the four snowmelters with Perkins engines shall not exceed a total of 800 hours per month and a total of 1200 hours per rolling twelve months.
EU 61 – EU 64	12. In accordance with Final Approval MBR-05-COM-015 and Final Approval MBR-06-COM-008, EU 61, EU 62, EU 63, and EU 64 shall be constructed and operated in a manner to prevent the occurrence of dust or odor conditions, which cause or contribute to a condition of air pollution as defined in 310 CMR 7.01 and 7.09.
EU 65, EU 66, EU 71, EU80, EU 81, EU 82,EU 83, EU 88	13. In accordance with 310 CMR 7.26(42)(d)2., EU 65, EU 66, EU 71, EU 80, EU 81, EU 82, EU 83, and EU 88 shall be operated and maintained in accordance with the manufacturer's recommended operating and maintenance procedures.

Table 8.	
SPECIAL TERMS AND CONDITIONS	
EU 65, EU 66, EU 71, EU80, EU 81, EU 82,EU 83, EU 88	14. In accordance with 310 CMR 7.26(42)(d)3., EU 65, EU 66, EU 71, EU 80, EU 81, EU 82 , EU 83, and EU 88 shall be constructed, located, operated and maintained in a manner to comply with the requirements of 310 CMR 7.10:Noise.
	15. In accordance with 310 CMR 7.26(42)(d)4.a., EU 65, EU 66, EU 71, EU 80, EU 81,EU 82 , EU 83, and EU 88 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 of 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. Such practices include without limitation: a. i. Avoiding locations that may be subject to downwash of the exhaust; and ii. installing stack(s) of sufficient height in locations that will prevent and minimize flue gas impacts upon sensitive receptors.
	16. Pursuant to 40 CFR 63.6590(c) meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR 60, Subpart IIII, for compression ignition engines. Nor further requirements apply for such engines under 40 CFR 63 Subpart ZZZZ.
EU 83 & EU 88	17. In accordance with 40 CFR 60.4205(b) and 40 CFR 60.4202(2), certify emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007.
EU 65, EU 66, EU 71, EU80, EU81, EU 82, EU 83, EU 88	18. In accordance with 40 CFR 60.4211(a), EU 65, EU 66, EU 71, EU 80, EU 81, EU 82, EU 83, and EU 88 must be operated and maintained according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer.
EU 65	19. In accordance with 310 CMR 7.26(42)(d)4.b., EU 65 shall have a minimum stack height of ten feet above the facility rooftop or the emergency engine enclosure, whichever is lower.
EU 66, EU 71	20. In accordance with 310 CMR 7.26(42)(d)4.c., EU 66 and EU 71 shall be equipped with a stack with a minimum stack height of 1.5 times the height of the building on which the stack is located. If the stack is lower than 1.5 times the building height or lower than the height of a structure that is within 5L of the stack (L being five times the lesser of the height or maximum projected width of the structure), an EPA Guideline air quality model shall be run to document that the operation of the applicable emergency engine will not cause an exceedance of any National Ambient Air Quality Standard.

Table 8.	
SPECIAL TERMS AND CONDITIONS	
EU 04 – EU 24, EU 48, EU 49, EU 55, EU 56, EU 69, EU 70 ("existing engines")	21. 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: Change oil and filter every 500 hours of operation or annually, whichever comes first; Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
	22. In accordance with 40 CFR Part 63, Subpart ZZZZ, Section 63.6625(i), the facility has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2d, No. 4 to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d to this subpart.
	23. On or after the applicable compliance date of May 3, 2013, as referenced in 40 CFR Part 63, Subpart ZZZZ, Sections 63.6625(e), 63.6640(a) and Table 6, No.9, all incorporated herein by reference, continuously operate and maintain each 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 practice for minimizing emissions.
	EU 04 – EU 24, EU 48, EU 49, EU 55, EU 56, EU 69, and EU 70 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.
EU 1, EU 2, EU 3, EU 25- EU 28, EU 31-EU 33B, EU 67, EU 68, EU B55-01 – EU B55-03, EU ARFF-01 - EU ARFF-04, EUB54-01	These boilers are subject to the requirements of 40 CFR 63.1-15, Subpart A, "General Provision" [as indicated in Table 8 to Subpart JJJJJJ of 40 CFR 63]. Compliance with all applicable provisions therein is required.
EU 89 & EU 91	24. In accordance with NE-14-005 and NE-14-012, no person shall operate a fuel utilization facility constructed, substantially reconstructed, or altered pursuant to 310 CMR 7.02(2) except in conformance with the requirements established therein and in conformance with the specific written plan approval requirements.
EU 89 & EU 91	25. In accordance with NE-14-005 and NE-14-012, the snowmelter shall be operated only on an as needed basis.
EU 89 & EU 91	26. In accordance with NE-14-005 and NE-14-012, the snowmelter shall operate such that the exhaust will not impact any fresh air intakes for any buildings, other

Table 8.	
SPECIAL TERMS AND CONDITIONS	
	structures or sensitive receptors located on property.
EU 89 & EU 91	27. In accordance with NE-14-005 and NE-14-012, the Final Approval does not negate the responsibility of owner/ operator of the referenced facility to comply with this or any other applicable federal, state, or local regulations now or in the future. Nor does this approval imply compliance with any other applicable federal, state or local regulation now or in the future.

6. ALTERNATIVE OPERATING SCENARIOS

Table 9.
Alternative Operating Scenarios
The Permittee did not request alternative operating scenarios in its Operating Permit Application.

7. EMISSIONS TRADING

Table 10.	
Emissions Trading	
Intra-facility emissions trading	The Permittee did not request intra-facility emissions trading in its Operating Permit Application.
Inter-facility emissions trading	The Permittee did not request inter-facility emissions trading in its Operating Permit Application.

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8. COMPLIANCE SCHEDULE

The Permittee shall submit a revised Operating Permit Renewal Application to the Massachusetts Department of Environmental Protection, Northeast Regional Office, Bureau of Waste Prevention – Attention Permit Chief, 205B Lowell Street, Wilmington, MA 01887 and to the United States Environmental Protection Agency, Region I, 5 Post Office Square – Suite 100, Boston, MA 02109-3912, Attention: Air Permits Manager. The revised Operating Permit Application shall be submitted by no later than August 24, 2012.

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

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

GENERAL CONDITIONS FOR OPERATING PERMIT

9. FEES

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

10. COMPLIANCE CERTIFICATION

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

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

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

A. Annual Compliance Report and Certification

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

The compliance certification and report shall describe:

1) the terms and conditions of the Permit that are the basis of the certification;
2) the current compliance status and whether compliance was continuous or intermittent during the reporting period;
3) the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
4) any additional information required by the MassDEP to determine the compliance status of the source.

B. Semi-Annual Monitoring Summary Report and Certification

The Responsible Official shall certify, semi-annually on the calendar year, that the facility is in compliance with the requirements of this Permit. The report shall be postmarked or delivered by

January 30 and July 30 to the MassDEP. The report shall be submitted in compliance with the submission requirements below.

The compliance certification and report shall describe:

1) the terms and conditions of the Permit that are the basis of the certification;
2) the current compliance status during the reporting period;
3) the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods;
4) whether there were any deviations during the reporting period;
5) if there are any outstanding deviations at the time of reporting, and the Corrective Action Plan to remedy said deviation;
6) whether deviations in the reporting period were previously reported;
7) if there are any outstanding deviations at the time of reporting, the proposed date of return to compliance;
8) if the deviations in the reporting period have returned to compliance and date of such return to compliance; and
9) any additional information required by the MassDEP to determine the compliance status of the source.

11. NONCOMPLIANCE

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

12. PERMIT SHIELD

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

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

B. The MassDEP has determined that the Permittee is not currently subject to the requirements listed in Section 4, Table 7.

C. Nothing in this Permit shall alter or affect the following:

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

13. ENFORCEMENT

The following regulations found at 310 CMR 7.02(8)(h) Table 6 for wood fuel, 7.04(9), 7.05(8), 7.09 (odor), 7.10 (noise), 7.18(1)(b), 7.21, 7.22, 7.70 and any condition(s) designated as "state only" are not federally enforceable because they are not required under the Act or under any of its applicable requirements. These regulations and conditions are not enforceable by the EPA. Citizens may seek equitable or declaratory relief to enforce these regulations and conditions pursuant to Massachusetts General Law Chapter 214, Section 7A

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

A Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

14. PERMIT TERM

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

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

15. PERMIT RENEWAL

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

In the event the MassDEP has not taken final action on the Operating Permit renewal application prior to this Permit's expiration date, this Permit shall remain in effect until the MassDEP takes final action on the renewal application, provided that a timely and complete renewal application has been submitted in accordance with 310 CMR 7.00: Appendix C(13).

16. REOPENING FOR CAUSE

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

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

17. DUTY TO PROVIDE INFORMATION

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

18. DUTY TO SUPPLEMENT

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

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

19. TRANSFER OF OWNERSHIP OR OPERATION

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

20. PROPERTY RIGHTS

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

21. INSPECTION AND ENTRY

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

A. enter upon the Permittee's premises where an operating permit source activity is located or emissions-related activity is conducted, or where records must be kept under the conditions of this Permit;

B. have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;

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

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

22. PERMIT AVAILABILITY

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

23. SEVERABILITY CLAUSE

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

24. EMERGENCY CONDITIONS

The Permittee shall be shielded from enforcement action brought for noncompliance with technology 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;

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.

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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.

If an emergency episode requires immediate notification to the Bureau of Waste Site Cleanup/Emergency Response, immediate notification to the appropriate parties should be made as required by law.

25. PERMIT DEVIATION

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

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

A. Unpermitted pollutant releases, excess emissions or opacity exceedances measured directly by CEMS/COMS, by EPA reference methods or by other credible evidence, which are ten percent (10%) or more above the emission limit.

B. Exceedances of parameter limits established by your Operating Permit or other approvals, where the parameter limit is identified by the Permit or approval as surrogate for an emission limit.

C. Exceedances of Permit operational limitations directly correlated to excess emissions.

D. Failure to capture valid emissions or opacity monitoring data or to maintain monitoring equipment as required by statutes, regulations, your Operating Permit, or other approvals.

E. Failure to perform QA/QC measures as required by your Operating Permit or other approvals for instruments that directly monitor compliance.

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

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

26. OPERATIONAL FLEXIBILITY

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

27. MODIFICATIONS

A. Administrative Amendments - The Permittee may make changes at the facility which are considered administrative amendments pursuant to 310 CMR 7.00: Appendix C(8)(a)1., provided they comply with the requirements established at 310 CMR 7.00: Appendix C(8)(b).

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

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

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

28. OZONE DEPLETING SUBSTANCES

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

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

1) All containers containing a class I or class II substance that is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to 40 CFR 82.106.

2) The placement of the required warning statement must comply with the requirements of 40 CFR 82.108.

3) The form of the label bearing the required warning statement must comply with the requirements of

40 CFR 82.110.

4) No person may modify, remove or interfere with the required warning statement except as described in 40 CFR 82.112.

B. The Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVAC) in Subpart B:

1) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices of 40 CFR 82.156.

2) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment of 40 CFR 82.158.

3) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

4) Persons disposing of small appliances, MVACs and MVAC-like appliances (as defined in 40 CFR 82.152) must comply with record keeping 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".

29. PREVENTION OF ACCIDENTIAL RELEASES

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

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

APPEAL CONDITIONS FOR OPERATING PERMIT

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

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

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

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

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

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

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

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