Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection
Northeast Regional Office • 205B Lowell Street, Wilmington MA 01887 • 978-694-3200

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FINAL AIR QUALITY OPERATING PERMIT MINOR MODIFICATION

Issued by the Massachusetts Department of Environmental Protection ("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 Institute of Technology
77 Massachusetts Avenue
Cambridge, MA 02139

INFORMATION RELIED UPON:
Minor Modification Application No.
MBR-95-OPP-026 MM
Original Transmittal No. 91443
Minor Modification Transmittal No. X223574

FACILITY LOCATION:
Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, MA 02139

FACILITY IDENTIFIERS:
SSEIS ID: 1191844
FMF FAC NO: 314888
FMF RO NO: 314889

NATURE OF BUSINESS:

Cogeneration Plant
College

STANDARD INDUSTRIAL CLASSIFICATION (SIC):
4931
8221
North American Industrial Classification System (NAICS): 611310

RESPONSIBLE OFFICIAL:
Name: William Van Schalkwyk
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This Operating Permit shall expire on June 27, 2013.

For the Department of Environmental Protection, Bureau of Waste Prevention

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

Feb. 13, 2013

James E. Belsky
Permit Chief
Bureau of Waste Prevention

Date

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SPECIAL CONDITIONS FOR OPERATING PERMIT

1. PERMITTED ACTIVITIES

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

A. DESCRIPTION OF FACILITY AND OPERATIONS

Massachusetts Institute of Technology (MIT) is located in Cambridge, Massachusetts and is a coeducational, privately endowed research university and a Massachusetts charitable corporation. MIT employs approximately 10,800 individuals on campus including research faculty, library staff, administrative staff and others. The academic enrollments are approximately 10,050 students including both graduate and undergraduate students. MIT houses a Central Utility Plant (CUP) consisting of a combustion turbine equipped with a supplementary fired heat recovery steam generator, boilers and a generator. The combustion turbine is subject to federal New Source Performance Standards ("NSPS") at 40 CFR Part 60 Subpart GG, the heat recovery steam generator and two of the CUP boilers, BLR-42-7 and BLR-42-8, are subject to NSPS at 40 CFR Part 60 Subpart Dc and CUP boiler BLR-42-9 is subject to NSPS at 40 CFR Part 60 Subpart Db.

MIT has a potential to emit greater than 50 tons per year of Nitrogen Oxides, thereby classifying it as a "major source" subject to the Operating Permit Program. The Permittee also monitors its potential to emit Hazardous Air Pollutants ("HAPs") on a routine basis and at this time is considered an area source of HAPs. If the Permittee's records document that it meets or exceeds the federal major source threshold for HAPs, as defined in 40 CFR Part 63 National Emission Standards for Hazardous Air Pollutants ("NESHAP") for Source Categories Subpart A, then the Permittee will comply with the regulatory requirements applicable to major sources of HAPs. As an area source of HAPs, Emission Unit Nos. DG-E25, DG-E14, DG-E62, DG-NW35, DG-W98, DG-76, DG-W1, DG-W70, DFP-N57, and DFP-E38 are subject to federal regulation at 40 CFR Part 63 Subpart ZZZZ, "Reciprocating Internal Combustion Engines" which requires said emission units to meet the requirements contained in 40 CFR Part 60, Subpart IIII, "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines." Although there are additional reciprocating internal combustion engines present at MIT, since these emission units commenced construction prior to June 12, 2006, they are, by definition, considered existing institutional emergency stationary RICE and therefore do not have to meet the requirements of 40 CFR Part 63 Subpart ZZZZ, as referenced in 40 CFR 63.6590(b)(3)(viii). Additionally, BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7, and FOB-51 are subject to 40 CFR Part 63, Subpart JJJJJJ, "National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers" (Subpart 6J). Under Subpart 6J BLR-42-9 is considered a natural gas unit, due to a restriction on its use of fuel oil, and as such it is not subject to Subpart 6J.

In addition campus buildings house emergency generators, boilers, heaters, degreasers and laboratories. The Permittee also operates additional smaller equipment that has been classified as

"Insignificant Activities" in this Operating Permit due to the fact that said equipment does not have any applicable air quality regulations or requirements.

Tables 3, 4, 5, and 6 and Section 5 of this Operating Permit contain the air quality requirements and regulations to which the Permittee is subject.

2. EMISSION UNIT IDENTIFICATION

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

Table 1			
EMISSION UNIT (EU#)	**DESCRIPTION OF EMISSION UNIT**	**EU DESIGN CAPACITY in MMBtu/hr unless otherwise stated**	**POLLUTION CONTROL DEVICE (PCD)**
Central Utility Plant Gas Turbine and Heat Recovery Steam Generator:			
GT-42-1A	ABB Model GT10 Gas Combustion Turbine	229.0 (Lower Heating Value)	CO Catalyst Water injection
HRSG-42-1B	AET custom Heat Recovery Steam Generator	210.7 total (64.7 from supplemental burners and 146.0 from the exhaust stream of GT-42-1A)	CO Catalyst
Central Utility Plant Boilers:			
BLR-42-3	Wickes Type R Boiler	116.2	None
BLR-42-4	Wickes Type R Boiler	116.2	
BLR-42-5	Riley Type VP Boiler	145.2	
BLR-42-7	Indeck boiler	99.7	Natcom ultra low NO_x burner or equivalent and Flue Gas Recirculation
BLR-42-8	Nebraska Model NOS-2A-67 or equivalent temporary natural gas boiler	100.0	Low-NOx burner
BLR-42-9	Rentech Model 0	119.2 (ULSD) 125.8 (Natural gas)	Coen Todd ultra low NO_x burner and Flue Gas Recirculation
Generators:			
DG-8	Caterpillar diesel generator, Model 3456	4.5 (450 kW)	None
DG-16-906A	Caterpillar 3508	7.90 (800 kW)	
NGG-18	Caterpillar natural gas emergency generator, Model G3412	5.9 (515 kW)	
DG-32	Caterpillar, emergency diesel engine, Model 3512B, or equivalent	15.484 (1500 kW)	GT Exhaust Systems, Inc Model 201-5114, or equivalent noise suppression
DG-42-6	Caterpillar 3516 Diesel Generator at Central Utility Plant	20.2 (2 MW)	None
DG-46-01	Caterpillar diesel generator, Model 3512 or equivalent	15.568 (1500kW)	
DG-46-02	Caterpillar diesel generator, Model 3512 or equivalent	15.568 (1500kW)	
DG-68-701A	Caterpillar 3508	7.90 (800 kW)	
DG-W34-M40	Caterpillar 3412	6.57 (700 kW)	
DG1-W79	Caterpillar diesel generator, Model 3412	8.2 (800 kW)	Particulate Matter Filter

Table 1			
EMISSION UNIT (EU#)	**DESCRIPTION OF EMISSION UNIT**	**EU DESIGN CAPACITY in MMBtu/hr unless otherwise stated**	**POLLUTION CONTROL DEVICE (PCD)**
DG2-W79	Caterpillar diesel generator, Model 3306	2.5 (230 kW)	Particulate Matter Filter
DG-W91-0	Caterpillar 3406	3.95 (400 kW)	None
DG-W92	Caterpillar diesel generator, Model 3406	3.22 (300 kW)	
DG-E23-008A	Consolidated Power diesel generator	3.21 (325 kW)	
DG-E25	Caterpillar diesel generator	5.24 (500 kW)	
DG-N9A	Kohler 350ROZD81	3.36 (340 kW)	
DG-NW-15A	Delco AC diesel generator	3.95 (400 kW)	
DG-NW-15B	Delco AC diesel generator	3.95 (400 kW)	
DG-NW30	Kohler diesel generator, Model 230REOZD	2.29 (230 kW)	
DG-NW86	Caterpillar diesel generator	5.6 (500 kW)	
DG-NE30-01	Caterpillar diesel emergency generator, Model 3516BDITA	20.65 (2,000 kW)	
DG-E14	Caterpillar diesel generator, Model C27	6.59 (650 kW)	
DG-E62	Caterpillar diesel generator, Model C27	7.49 (750 kW)	
DG-NW35	Caterpillar diesel generator, Model C15	4.58 (400 kW)	Particulate Matter Filter
DG-W98	Caterpillar diesel generator, Model C15	4.00 (350 kW)	None
DG-76	Cummins diesel generator, Model QSK60-G6 NR2	19.31 (2 MW)	
DG-W1	Cummins DQCA-6584079	5.88 (600 kW)	None
DFP-N57	Clarke Fire Pump Model JU4H-UFAD4G	1.19 (74.5 kW)	None
DFP-E38	Clarke Fire Pump Model JU4H-UFAD4G	1.19 (74.5 kW)	None
DG-W70	Cummins Model QSX15-G9 NR 2	3.4 (350 kW)	None
Oil Fired Non-Central Utility Plant Boilers			
FOB-51	Snyder General Boiler #18	0.144	None
Natural Gas Boilers			
NGB-N52A	Smith natural gas boiler	3.5	None
NGB-N52B	Smith natural gas boiler	3.5	
NGB-N52C	Smith natural gas boiler	3.5	
NGB-NW17	HB Smith natural gas boiler	4.0	
NGB-NW21	Weil McLain 1288 natural gas boiler	3.6	
NGB-NW-86A	Cleaver Brooks boiler GP700-2	4.0	
NGB-NW-86B	Cleaver Brooks boiler GP700-2	4.0	
NGB-NE30-01	Cleaver Brooks boiler	8.2	
NGB-NE30-02	Fulton boiler	0.356	
NGB-NE30-03	Fulton boiler	0.356	
NGB4-NE125	Cleaver Brooks boiler	6.1	
NGB5-NE125	Cleaver Brooks boiler	6.1	
NGB1-N52	Burnham natural gas boiler	4.186	
NGB2-N52	Burnham natural gas boiler	4.186	
NGB-NW22	Weil-McLain natural gas boiler	4.474	
NGB-NW35	Weil-McLain natural gas boiler	3.2	

Table 1			
EMISSION UNIT (EU#)	**DESCRIPTION OF EMISSION UNIT**	**EU DESIGN CAPACITY in MMBtu/hr unless otherwise stated**	**POLLUTION CONTROL DEVICE (PCD)**
Natural Gas Heaters			
NGH-NW86A	TurboPower heater	1.2	None
NGH-NW86B	TurboPower heater	1.2	
Degreasers			
Group 1	Cold Cleaning Degreaser CC-E19-127	30 gallons	None
	Cold Cleaning Degreaser CC-NW62	30gallons	
	Cold Cleaning Degreaser CC-4034	25gallons	
	Cold Cleaning Degreaser CC-32-070A	25gallons	
	Cold Cleaning Degreaser CC-7-020	25gallons	
	Cold Cleaning Degreaser CC-N52-175	25gallons	
	Cold Cleaning Degreaser CC-E25-070	25gallons	
	Cold Cleaning Degreaser CC-42-1	30 gallons	
	Cold Cleaning Degreaser CC-42-2	30 gallons	
	Cold Cleaning Degreaser CC-42-3	30 gallons	
	Cold Cleaning Degreaser CC-N16	30 gallons	
Laboratories			
PLAS LAB-39-1	Plasma Chemical Deposition Laboratory	various	Carbon filter

Key to Table 1:
c12mtp = consecutive twelve month time period
CO = Carbon monoxide
CO_2 = Carbon dioxide
kW = 1,000 Watts
MMBtu/hr = 1,000,000 British thermal units per hour
MW = 1,000,000 Watts
NO_x = Nitrogen oxides
ULSD = Ultra low sulfur diesel fuel oil containing a maximum of 0.0015% sulfur by weight

3. IDENTIFICATION OF EXEMPT ACTIVITIES

The following are considered exempt activities in accordance with the criteria 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 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 #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
GT-42-1A	Natural gas	Must burn natural gas whenever available	Particulate	0.007 pounds per million Btu fired	MBR-91-COM-027
			NO_x	15 ppm, referenced to 15% oxygen, volume dry, ISO 15.3 pounds per hour[1]	
	No. 2 fuel oil	≤ 30 days per twelve month calendar period and only when natural gas is unavailable	Sulfur in fuel	0.05 percent by weight	
			Particulate	0.040 pounds per million Btu fired	
			NO_x	42 ppm, referenced to 15% oxygen, volume dry, ISO 39.3 pounds per hour[1]	
	Natural gas or No. 2 fuel oil	NA	NO_x	See Special Terms and Conditions	310 CMR 7.28
			SO_2	1.2 lb SO_2/MMBtu fired (annual calendar average)	310 CMR 7.22(1)
				0.015% by volume at 15% oxygen, and on a dry basis [3]	40 CFR 60 Subpart GG
			NO_x	STD = 0.0150 x (14.4)/Y +F [4]	
			Sulfur in fuel	0.8 percent by weight [3]	
HRSG-42-1B	Natural gas	Must burn natural gas whenever available	Particulate	0.005 pounds per million Btu fired	MBR-91-COM-027
			NO_x	9.1 pounds per hour [1] 0.14 pounds per million Btu fired	
	Natural gas or No. 2 fuel oil	NA	NO_x	See Special Terms and Conditions	310 CMR 7.28
	No. 2 fuel oil	≤ 30 days per twelve month calendar period and only when natural gas is unavailable	Particulate	0.055 pounds per million Btu fired	MBR-91-COM-027
			Sulfur in fuel	0.05 weight percent	
			NO_x	7.3 pounds per hour[1] 0.11 pounds per million Btu fired	
		NA	SO_2	0.5 lb SO_2/MMBtu (0.5 weight percent sulfur in fuel as alternative)	40 CFR 60.42c(d)
GT-42-1A and HRSG-42-1B, combined	Natural Gas	Must burn natural gas whenever available Fuel oil usage restricted to ≤ 30 days per twelve month calendar period and only when natural gas is unavailable	NO_x	24.4 pounds per hour [1]	MBR-91-COM-027
	No. 2 fuel oil		Sulfur in fuel	0.05 weight percent	
			NO_x	46.6 pounds per hour [1]	
	Natural Gas or No. 2 fuel oil		CO	10 ppm referenced to 15% oxygen, volume dry, ISO	
			Opacity [5]	≤ 5 percent except 5 to ≤ 10 percent for a six minute block average during any one hour	

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
BLR-42-3, BLR-42-4 BLR-42-5	Natural gas	NA	PM	0.0076 lb/MMBtu	MBR-91-COM-027
			SO_2	0.0014 lb/MMBtu	
			CO	0.04 lb/MMBtu	
			NO_x	0.2 lb/MMBtu	
	No. 6 fuel oil	NA	PM	0.055 lb/MMBtu	
			SO_2	0.514 lb/MMBtu	
			CO	0.035 lb/MMBtu	
			NO_x	0.3 lb/MMBtu	
			Sulfur in fuel	0.5 weight percent	MBR-94-COM-016
			Nitrogen in fuel	0.45 weight percent	
	Natural gas and No. 6 fuel oil	NA	CO	200 ppmvd @3%O_2 on a dry volume basis	
			SO_2	1.2 lb SO_2/MMBtu fired (annual calendar average)	310 CMR 7.22(1)
			PM	0.12 lb/MMBtu	310 CMR 7.02(8)(d)

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
BLR-42-3, BLR-42-4 BLR-42-5	Natural gas and No. 6 fuel oil	NA	Opacity	≤ 15% based on a six-minute block average; except as provided in 310 CMR7.06(1)(c)1.b., 310 CMR7.06(1)(c)1.c., and 310 CMR7.06(1)(c)1.g.	310 CMR 7.06(1)(c)1.a.
				≤ 27% during Start-up, Shutdown, Burner Change, and Soot Blowing based on a six-minute block average; except for up to two six-minute block averages during each calendar quarter per boiler	310 CMR 7.06(1)(c)1.b.
				≤ 27% during an individual start-up, shutdown, or soot blowing event for BLR-42-3, BLR-42-4, or BLR-42-5 and additionally burner changes for either BLR-42-3 or BLR-42-4, all based on a six-minute block average[8]; except for one-tenth of one percent (0.1%) of the total six-minute block averages during any calendar quarter, or six block averages per boiler per quarter, whichever is greater, provided visible emissions do not exceed 60% during any six-minute block average[8]. At no time can visible emissions exceed 27% opacity for more than two six-minute block averages during a one-hour period and the one-hour block average opacity shall not exceed 27% opacity during the one-hour block period when a six-minute block average exceeds 27% opacity[8,9].	310 CMR 7.06(1)(c)1.c.
				When notified in writing at least five business days prior to scheduled events, MassDEP may allow exemptions to 310 CMR 7.06(1)(c)1.a.; 310 CMR 7.06(1)(c)1.b.; and 310 CMR7.06(1)(c)1.c.	310 CMR 7.06(1)(c)1.g.

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
GT-42-1A, HRSG-42-1B, BLR-42-3, BLR-42-4, BLR-42-5	Natural gas and No. 2 fuel oil Natural gas and No. 6 fuel oil	NA	Filterable PM	26.4 tons per twelve month rolling period	MBR-91-COM-027
			SO_2	147.0 tons per twelve month rolling period	
			NO_x	185.0 tons per twelve month rolling period	
			CO	30.2 tons per twelve month rolling period	
DG-42-6	No. 2 fuel oil	28,904 gallons per month, 200 hours per month 43,356 gallons per twelve month rolling period, 300 hours per twelve month rolling period Unit shall not participate in any energy assistance program, or as a peak shaving unit Unit shall be operated only during emergencies and for a one-hour test period once a week 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.	Sulfur in fuel	0.05 weight percent	MBR-00-COM-062
			NO_X	5.460 grams per brake horsepower-hour 34.3 pounds per hour 5.15 tons per twelve month rolling period	
			CO	0.350 grams per brake horsepower-hour 2.20 pounds per hour 0.33 tons per twelve month rolling period	
			VOC	0.130 grams per brake horsepower-hour 0.82 pounds per hour 0.12 tons per twelve month rolling period	
			PM	0.104 grams per brake horsepower-hour 0.65 pounds per hour 0.10 tons per twelve month rolling period	
			SO_2	0.180 grams per brake horsepower-hour 1.13 pounds per hour 0.17 tons per twelve month rolling period	

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
BLR-42-7	Natural gas as primary fuel and Ultra Low Sulfur Distillate (ULSD) fuel oil as secondary fuel	ULSD fuel oil usage restricted to 487,543 gallons per twelve month rolling calendar period	NO_x	3.23 tons per twelve month rolling period	MBR-09-COM-007
			CO	2.84 tons per twelve month rolling period	
			SO_2	0.26 tons per twelve month rolling period	
			VOC	5.38 tons per twelve month rolling period	
			$PM/PM_{10}/PM_{2.5}$	2.51 tons per twelve month rolling period	
			Opacity	$\leq$ 10 percent at all times	
	Natural gas	ULSD fuel oil usage restricted to a total of 720 hours per twelve month rolling calendar period Natural gas usage is restricted such that total hours of operation on all fuels shall not exceed 3600 hours per twelve month rolling calendar period	NO_x	0.011 pounds per million Btu	
			$PM/PM_{10}/PM_{2.5}$	0.010 pounds per million Btu	
			CO	0.011 pounds per million Btu	
			VOC	0.030 pounds per million Btu	
			SO_2	0.0014 pounds per million Btu	
	ULSD fuel oil		NO_x	0.046 pounds per million Btu	
			$PM/PM_{10}/PM_{2.5}$	0.030 pounds per million Btu	
			CO	0.035 pounds per million Btu	
			VOC	0.030 pounds per million Btu	
			SO_2	0.0015 pounds per million Btu	
			Sulfur in fuel oil	$\leq$ 0.0015 weight percent	

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
BLR-42-8	Natural gas	<432 hours of operation for the six month time period commencing September 12, 2010 Unit shall only be operated in the event that one of the permanent boilers (BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7, HRSG-42-1B) comes offline and for no more than 30 hours for testing and maintenance for the six month time period commencing September 12, 2010 Utilize natural gas solely Remain onsite for no more than five years and six months from the date of installation of the unit and commencement of operation. This unit shall be permanently removed from service no later than March 12, 2011.	NOx	0.11 tons per twelve month rolling period from testing and maintenance 0.036 pounds per million Btu	MBR-05-COM-004
			PM	0.03 tons per twelve month rolling period from testing and maintenance 0.010 pounds per million Btu	
			CO	0.165 tons per twelve month rolling period from testing and maintenance 0.055 pounds per million Btu	
			VOC	0.09 tons per twelve month rolling period from testing and maintenance 0.030 pounds per million Btu	
			SO_2	0.009 tons per twelve month rolling period from testing and maintenance 0.003 pounds per million Btu	
			Opacity	$\leq$ 10 % at all times	
BLR-42-9	Natural gas as primary fuel and ULSD fuel oil as secondary fuel only when natural gas is unavailable or during periodic ULSD fuel oil testing that shall not exceed 48 hours during any calendar year	Natural gas usage is restricted such that total hours of operation on all fuels shall not exceed 3600 hours (equates to 452,880,000 cubic feet Natural gas) per any consecutive twelve month time period. ULSD fuel oil usage is restricted to no more than 360 hours of operation (equates to 306,514 gallons of ULSD fuel oil) per any consecutive twelve month time period through December 2011, and to no more than 720 hours of operation (equates to 613,029 gallons of ULSD fuel oil) per any consecutive twelve month time period commencing January 2012.	NO_x	6.3 tons/any c12mtp	MBR-10-COM-007
			CO	3.5 tons/any c12mtp	
			VOC	6.8 tons/any c12mtp	
			$PM/PM_{10}/PM_{2.5}$	3.1 tons/any c12mtp	
			SO_2	0.32 tons/any c12mtp	
			CO_2	28,000 tons/any c12mtp	
			Opacity	$\leq$10 percent	

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
BLR-42-9	Natural gas	Must burn natural gas whenever available. Natural gas usage is restricted such that total hours of operation on all fuels shall not exceed 3600 hours (equates to 452,880,000 cubic feet Natural gas) per any consecutive twelve month time period	NO_x	0.011 lb/MMBtu 1.38 lb/hour	MBR-10-COM-007
			CO	0.011 lb/MMBtu 1.38 lb/hour	
			$CO_{low\ load}$ [10]	0.033 lb/MMBtu 4.15 lb/hour	
			VOC	0.03 lb/MMBtu	
			$PM/PM_{10}/PM_{2.5}$	0.01 lb/MMBtu	
			SO_2	0.0014 lb/MMBtu	
			CO_2	0.2 lb/lb steam	
	ULSD fuel oil as secondary fuel only when natural gas is unavailable or during periodic ULSD fuel oil testing that shall not exceed 48 hours during any calendar year	ULSD fuel oil usage is restricted to no more than 360 hours of operation (equates to 306,514 gallons of ULSD fuel oil) per consecutive twelve month time period through December 2011, and to no more than 720 hours of operation (equates to 613,029 gallons of ULSD fuel oil) per any consecutive twelve month time period commencing January 2012.	NO_x	0.10 lb/MMBtu 11.92 lb/hour	
			CO	0.035 lb/MMBtu 4.17 lb/hour	
			VOC	0.03 lb/MMBtu	
			$PM/PM_{10}/PM_{2.5}$	0.03 lb/MMBtu	
			SO_2	0.0015 lb/MMBtu	
			CO_2	0.25 lb/lb steam	
			Sulfur in fuel oil	$\leq$ 0.0015 weight percent	
	NA	NA	PM	0.03 lb/MMBtu	40 CFR Part 60, Subpart Db
			NO_x	0.20 lb/MMBtu [11]	
			Opacity	20% opacity based on a 6 minute average except for one 6 minute period per hour of not more than 27% opacity applying at all times of operation except start-up, shutdown, or malfunction	

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7, FOB-51		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.	HAPs	NA	40 CFR Part 63, Subpart JJJJJJ
DG-N9A, DG-E23-008A	No. 2 fuel oil	Usage of each 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. 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.	NA	NA	310 CMR 7.02(8)(i)
DG-8, DG-16-906A, DG-68-701A, DG-W34-M40, DG-W91-0, DG-NW-15A, DG-NW-15B					310 CMR 7.03(10)
DG-E25, DG-E14, DG-E62, DG-NW35, DG-W98, DG-76, DG-W1, DG-W70, DFP-N57, DFP-E38					310 CMR 7.26(42)
DG-E25, DG-E14, DG-E62, DG-NW35, DG-W98, DG-76, DG-W1, DG-W70, DFP-N57, DFP-E38	NA	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)

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
DG-E25, DG-E14, DG-E62, DG-NW35, DG-W98, DG-76 DG-W1, DG-W70, DFP-N57, DFP-E38	NA	NA	Sulfur in fuel oil	≤ 0.0015% Sulfur by weight fuel for all fuel deliveries on or after July 1, 2007	310 CMR 7.26(42)(c), 40CFR60.4207(b), 40 CFR 80.510(b)
DG-8, DG-NW86, DG-W92, DG1-W79, DG-NW30, DG-W34-M40, DG-W91-0 DG-16-906A, DG-68-701A, DG-NW-15A, DG-NW-15B, DG2-W79					310 CMR 7.03(10)(b)
DG-E23-008A, DG-N9A					310 CMR 7.02(8)(i)5.
DG-E25, DG-E14, DG-E62, DG-NW35, DG-W98, DG-76, DG-W1, DG-W70, DFP-N57, DFP-E38	Diesel Fuel	Must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.	NA	NA	40CFR60.4207(b), 40 CFR 80.510(b)

Table 3								
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards				Applicable Regulation and/or Approval No.
DG-32	No. 2 fuel oil	Red dye distillate No. 2 fuel oil usage restricted to 22,120 gallons (equates to 200 hours) per month and per twelve month rolling calendar period Unit shall not participate in any energy assistance program, or as a peak shaving unit, unless granted written Approval to do so by MassDEP Unit shall be operated only during emergencies and for a one-hour test/maintenance period once a week. 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.	Sulfur in fuel oil	$\leq$ 0.05 weight percent				MBR-02-COM-007 MBR-03-COM-016
			Pollutant restrictions	gm/bhp-hr	lb/hr	tons per month	tons per twelve mrp	
			NO_x	6.57	30.7	3.067	3.067	
			CO	1.43	6.7	0.7	1.0	
			VOC	0.26	1.2	0.2	0.2	
			PM	0.14	0.6	0.1	0.1	
			SO_2	0.17	0.4	0.1	0.1	
NGB-NW21, NGB-NW17, NGB-N52A, NGB-N52B, NGB-N52C, NGB-NW86A, NGB-NW86B, NGB4-NE125, NGB5-NE125, NGB-NE30-01, NGB1-N52, NGB2-N52, NGB-NW22, NGB-NW35	NA	NA	PM	0.10 lb/MMBtu				310 CMR 7.02(8)(h)

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
DG-W92	No. 2 fuel oil	May only be operated during normal maintenance and testing and during emergencies for ≤ 200 hours per twelve month rolling calendar period (each unit) 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.	NOx	0.769 tons per twelve month rolling calendar period	MBR-03-COM-016
DG-NW30				0.412 tons per twelve month rolling calendar period	
DG-NW86				1.205 tons per twelve month rolling calendar period	
DG1-W79				1.542 tons per twelve month rolling calendar period	
DG2-W79				0.342 tons per twelve month rolling calendar period	
DG-32				3.067 tons per twelve month rolling calendar period	
NGG-18	Natural gas			3.526 tons per twelve month rolling calendar period	

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
DG-46-01, DG-46-02	No. 2 fuel oil	Shall only be operated during emergencies and for a one hour test/ maintenance period (during daytime only) once every week. ≤16, 680 gallons per month , each 150 hours per month, each ≤22,240 gallons per rolling 12-month period, each 200 hours per rolling 12- month period, each 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.	NOx	3.160 tons per twelve month rolling calendar period, each[7] 6.62 grams per brake horsepower-hour, each[6] 31.64 pounds per hour, each[7]	MBR-03-COM-016
			CO	0.68 tons per twelve month rolling calendar period, each[7] 1.42 grams per brake horsepower-hour, each[6] 6.80 pounds per hour, each[7]	
			VOC	0.19 tons per twelve month rolling calendar period, each[7] 0.26 grams per brake horsepower-hour, each[6] 1.26 pounds per hour, each[7]	
			PM	0.13 tons per twelve month rolling calendar period, each[7] 0.14 grams per brake horsepower-hour, each[6] 0.65 pounds per hour, each[7]	
			SO_2	0.0023 tons per twelve month rolling calendar period, each[7] 0.005 grams per brake horsepower-hour, each [6] 0.023 pounds per hour, each[7]	
			Sulfur in fuel	≤ 0.003% by weight	
NGH-NW86A, NGH-NW86B	Natural gas	Total operating hours for both units combined: ≤ 8,760 hours per twelve month rolling calendar period	NOx	0.526 tons per twelve month rolling calendar period, both units combined	MBR-04-COM-015
NGB-NW86A, NGB-NW86B		Total operating hours for both units combined: ≤ 5,000 hours per twelve month rolling calendar period		1.0 tons per twelve month rolling calendar period, both units combined	
NGB-NE30-02, NGB-NE30-03	Natural gas	Total operating hours for both units combined: ≤ 8,760 hours per twelve month rolling calendar period	NOx	0.373 tons per twelve month rolling calendar period, both units combined	MBR-05-COM-004
NGB-NE30-01		NA		1.29 tons per twelve month rolling calendar period	

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
DG-NE30-01	No. 2 fuel oil	Unit shall only be operated during bona fide emergencies and for a maximum one hour routine maintenance and testing period (during the daytime only) once each week ≤ 29,500 gallons per month ≤ 200 hours per month ≤ 29,500 gallons per rolling 12- month period ≤ 200 hours per rolling 12- month period 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.	Sulfur in fuel	≤ 0.003% by weight	MBR-04-COM-015
			NOx	5.47 grams per brake horsepower-hour, [6] 34.76 pounds per hour, [7] 3.48 tons per twelve month rolling calendar period [7]	
			CO	0.35 grams per brake horsepower-hour, [6] 2.31 pounds per hour, [7] 0.23 tons per twelve month rolling calendar period[7]	
			VOC	0.13 grams per brake horsepower-hour, [6] 0.82 pounds per hour, [7] 0.082 tons per twelve month rolling calendar period[7]	
			PM	0.10 grams per brake horsepower-hour, [6] 0.65 pounds per hour, [7] 0.07 tons per twelve month rolling calendar period[7]	
			SO_2	0.005 grams per brake horsepower-hour, [6] 0.032 pounds per hour, [7] 0.0032 tons per twelve month rolling calendar period[7]	
Group 1	NA	Each parts cleaner/degreaser shall use less than 100 gallons of solvent per month	VOC	NA	310 CMR 7.03(8) 310 CMR 7.18(8)(a)
PLAS LAB-39-1	NA	NA	VOC	≤ 3 tons per month ≤ 5 tons per twelve month rolling period	MBR-84-IND-036 and Application MBR-95-OPP-026 for alternative limits

Table 3					
Emission Unit (EU #)	Allowable Fuel	Operational and/or Production Limits	Pollutant	Emissions Limits/Standards	Applicable Regulation and/or Approval No.
Facility-Wide	No. 2 fuel oil, not otherwise restricted	NA	Sulfur in fuel	≤ 0.17 lb sulfur per MMBtu heat release potential	310 CMR 7.05(1)(a)2.
	No. 6 fuel oil		Sulfur in fuel	≤ 0.28 lb sulfur per MMBtu heat release potential	310 CMR 7.05(1)(a)1.
Facility-Wide Except GT-42-1A, HRSG-42-1B, BLR-42-3, BLR-42-4 BLR-42-5, BLR-42-7, BLR-42-8, and BLR-42-9	NA	NA	Smoke	< No. 1 of Chart [2], except No. 1 to < No. 2 of Chart for ≤ six (6) minutes during any one hour	310 CMR 7.06(1)(a)
			Opacity	≤ 20 percent except 20 to ≤ 40 percent for ≤ two (2) minutes during any one hour	310 CMR 7.06(1)(b)

Key to Table 3:
Btu = British thermal unit
c12mtp = consecutive twelve month time period
CO = Carbon Monoxide
CO_2 = carbon dioxide
EU = Emission Unit
gm/bhp-hr = grams per brake horsepower-hour
hr = hour
ISO = Represent 59□F, 60% Relative Humidity, 29.92 Inches Mercury At Sea Level
lb = pound
lb/hr = pounds per hour
lb/MMBtu = pounds per 1,000,000 British thermal units
MassDEP = Massachusetts Department of Environmental Protection
MMBtu = 1,000,000 British thermal units
MMBtu/hr = 1,000,000 British thermal units per hour
mrp = month rolling period
N = Nitrogen
NA = not applicable
NO_x = Nitrogen Oxides
O_2 = Oxygen
PM = Particulate Matter
PM_{10} = particulate matter (10 microns or less)
$PM_{2.5}$ = particulate matter (2.5 microns or less)
ppm = parts per million
ppmvd = parts per million on a dry volume basis
SO_2 = Sulfur Dioxide
ULSD = ultra low sulfur diesel fuel oil containing a maximum of 0.0015% sulfur by weight
VOC = Volatile Organic Compound
% = percent
≤ = less than or equal to
< = less than
> = greater than
/ = per
@ = at

Please note:
1: Compliance with emission limitations shall be determined over calendar day averages, as referenced in Final Approval MBR-91-COM-027.

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

3: In accordance with 40 CFR 60.333, Permittee shall comply with one or the other of these conditions.

4: Y = manufacturer's rated heat rate at manufacturer's rated peak load (kilojoules per watt hour), or actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour, as referenced in 40 CFR 60.332.

As referenced in 40 CFR 60.332, F shall be defined according to the nitrogen content of the fuel as follows:

fuel bound nitrogen, N, (percent by weight)	"Correction Factor" F (NO_x percent by volume)
$N \leq 0.015$	0
$0.015 < N \leq 0.1$	0.04 (N)
$0.1 < N \leq 0.25$	0.004 + 0.0067(N-0.1)
$N > 0.25$	0.005

where: N = nitrogen content of the fuel (percent by weight)

5: At no time shall emissions from the cogeneration system exceed ten percent opacity, except during start-up periods. During start-up periods, the emissions from the cogeneration system shall not exceed 20 percent. A six minute block average calculated from at least 36 data points, with a minimum of one data point from within each ten second block, will be used to determine compliance as referenced in Approval MBR-91-COM-027, Proviso No. II.2.d.

6: These emission rates shall only apply to engine loads of 50% or greater

7: Apply to all engine loads

8: Except for periods allowed under 310 CMR 7.06(1)(c)1.b.

9: The one hour block average shall be based on a clock hour.

10: $CO_{low\ load}$ emission limit applies during operating loads below 33% when firing Natural gas.

11: Based on a 30 day rolling average basis and applied during all periods of operation

B. COMPLIANCE DEMONSTRATION

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

Table 4	
EU #	Monitoring and Testing Requirements
GT-42-1A	Except as provided in 40 CFR 60.334(b) the owner or operator of any stationary gas turbine subject to the provisions of 40 CFR 60.334 and using water injection to control NO_x emissions shall install and operate a continuous monitoring system to monitor the fuel consumption and the ratio of water to fuel being fired in the turbine as referenced in 40 CFR 60.334(a), incorporated herein by reference.
	The owner or operator of any stationary gas turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and which uses water or steam injection to control NO_X emissions may, as an alternative to operating the continuous monitoring system described in 40 CFR 60.334(a), install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NO_X and O_2 monitors. As an alternative, a CO_2 monitor may be used to adjust the measured NO_X concentrations to 15 percent O_2 by either converting the CO_2 hourly averages to equivalent O_2 concentrations using Equation F–14a or F–14b in appendix F to part 75 of this chapter and making the adjustments to 15 percent O_2, or by using the CO_2 readings directly to make the adjustments, as described in Method 20. If the option to use a CEMS is chosen, the CEMS shall be installed, certified, maintained and operated as described in 40 CFR 60.334(b), incorporated herein by reference.

Table 4	
EU #	Monitoring and Testing Requirements
GT-42-1A	Comply with the custom fuel monitoring schedule approved by EPA on June 10, 2002 and June 2, 1999 as provided in 40 CFR60.334(h)(4) or as an alternative comply with other applicable monitoring requirements of 40 CFR 60.334, incorporated herein by reference.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor Nitrogen Oxide excess emissions as defined in 40 CFR60.334(j)(1) and incorporated herein by reference.
	For verifying compliance with the sulfur content restriction in Table 3, pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 percent.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor each period during which the ice fog exemption provided in Sec. 60.332(f) is in effect.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor each period during which the emergency fuel exemption provided in Sec. 60.332(k) is in effect.
	In accordance with 40 CFR 60.7(b), incorporated herein by reference, monitor the occurrence and duration of any startup, shutdown, or malfunction in the operation of the facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
GT-42-1A, HRSG-42-1B	Use and maintain its continuous emissions monitoring system (CEMS) to measure nitrogen oxides and carbon monoxide, and its continuous opacity monitors (COMS) to measure opacity levels; both the CEMS and COMS are "direct compliance" monitors. "Direct-compliance" monitors generate data that legally documents the compliance status of a source. MassDEP will utilize the data generated by the "direct-compliance" monitors for compliance and enforcement purposes. As such, MIT is required to comply with the Quality Assurance (QA) requirements contained in the Code of Federal Regulations 40 CFR Part 60, Appendix F for NOx and CO. The Appendix F requirements include the following actions: a) Section 3 requires MIT to develop, implement, and update a quality control (QC) program for the CEMS; b) Section 4 requires that a calibration drift assessment be performed and recorded on a daily basis; c) Section 5 requires quarterly performance audits. One of the four audits for each calendar year must be a relative accuracy test audit; d) Section 7 requires quarterly reporting of all calibration assessment and accuracy audit results. For COMS requirements, MIT is required to comply with applicable EPA Methods as referenced in Approval MBR-91-COM-027, Proviso No. II.2.a.
	Monitor operations so that if any of the major components of the CEMS are replaced such as an analyzer, then MIT shall comply with the applicable Performance Specification(s) contained in the Code of Federal Regulations 40 CFR Part 60, Appendix B as referenced in Approval MBR-91-COM-027, Proviso No. II.2.b.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor transportation fuel usage in the units.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor operations and maintenance of the units.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., MIT shall monitor operations such that compliance with the logbooks requirement for GT-42-1A and HRSG-42-1B in Table 6 of this Permit can be maintained.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor operations to ensure that MIT does not exceed the 30 day limit for use of transportation diesel fuel oil.
	Compliance testing requirements for particulates require that MIT take the average from three test runs to determine an emission rate at each fuel operating condition. The compliance testing protocol shall follow EPA reference test methods contained in the Code of Federal Regulations 40 CFR Part 60, Appendix A as referenced in Approval MBR-91-COM-027, Proviso No. II.2.c.

Table 4	
EU #	Monitoring and Testing Requirements
GT-42-1A, HRSG-42-1B	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor excess emissions for nitrogen oxides, carbon monoxide, and opacity including the magnitude, duration, date, and time of occurrence, the reason for the occurrence, the cause of the excess emission, the corrective action(s) taken, and the date, time, duration, and reason for any monitor outage(s).
	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor CEMS and COMS usage.
	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor natural gas supply interruption.
	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor air pollution control equipment malfunction.
	In accordance with 310 CMR 7.28(11)(a)(1), any person who owns, leases, operates or controls a budget unit that commences operation before January 1, 2002 shall install, operate and successfully complete all applicable certification testing requirements for monitoring heat input, NOx emission rate and NOx mass emissions pursuant to the requirements of 40 CFR Part 75 Subpart H by May 1, 2002.
	In accordance with 310 CMR 7.28(11)(a)(4), all monitoring systems are subject to initial performance testing and periodic calibration, accuracy testing and quality assurance/quality control testing as specified in 40 CFR Part 75 Subpart H.
	As required by 310 CMR 7.28(11)(a)(5), during a period when valid data is not being recorded by a monitoring system approved under 310 CMR 7.28, the missing or invalid data must be replaced with default data in accordance with the provisions of 40 CFR 75.70(f). The applicable missing data procedures are specified in 40 CFR Part 75 for NO_x emission rate (in lb/MMBtu), heat input, stack gas volumetric flow rate, oil density, GCV or fuel flow rate.
	In accordance with 310 CMR 7.28(11)(a)(6), NOx emissions data must be reported to the NOx Emissions Tracking System (NETS) in accordance with 310 CMR 7.28(13).
	In accordance with 310 CMR 7.28(11)(a)(7), budget units must report data pursuant to the requirements of 310 CMR 7.28(11) for every hour.
	In accordance with 310 CMR 7.28(11)(b), any person who owns, leases, operates or controls a budget unit subject to 310 CMR 7.28 must comply with the notification requirements in 40 CFR 75.61, where applicable.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., in the event of a major CTG failure, monitor the following: a) the reason(s) for the outage, b) the steps taken to ensure that the outage shall not recur.
HRSG-42-1B, BLR-42-7, BLR-42-8	Comply with all applicable monitoring requirements contained in 40 CFR Part 60 Subpart Dc.
	Measure for each unit the amounts of each fuel combusted during each day as provided in 40 CFR 60.48c(g) incorporated herein by reference.

Table 4	
EU #	Monitoring and Testing Requirements
HRSG-42-1B, BLR-42-7	Compliance with the fuel oil sulfur limits under 40 CFR 60.42c may be determined based on a certification from the fuel supplier as provided in 40 CFR 60.42c(h) incorporated herein by reference. As provided by 40 CFR 60.48c(e)(11), said certification shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, 98, "Standard Specification for Fuel Oils" incorporated herein by reference.
	In accordance with 40 CFR 60.45c(a)(7) incorporated herein by reference, an affected facility subject to the opacity standards under 40 CFR 60.43c(c) and 40 CFR 60.43c(d) shall conduct an initial performance test as required under 40 CFR 60.8, and shall conduct subsequent performance tests as requested by EPA, by using Method 9 (6-minute average of 24 observations) to determine compliance with the opacity of stack emissions.
	In accordance with 40 CFR 60.42c(h), compliance with the SO_2 emission limits or fuel oil sulfur limits under 40 CFR 60.42c(d) and 40 CFR 60.42c(i) may be demonstrated based on a certification from the fuel supplier. The performance test as required under 40 CFR 60.8 shall consist of the certification from the fuel supplier as described under 40 CFR 60.48c(f). As stated under 40 CFR 60.48c(f)(1) for affected facilities that combust distillate oil, said certification shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c; more specifically, that the oil complies with specifications for Fuel Oil No. 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, and 98 "Standard Specification for Fuel Oils" (incorporated herein by reference-see 40 CFR 60.17). Comply with applicable monitoring requirements in 40 CFR 60.48c(e)2 through (10).
GT-42-1A, HRSG-42-1B, BLR-42-3, BLR-42-4, BLR-42-5	MIT shall conduct compliance testing to demonstrate compliance with the emissions limitations in Table 3 of this Permit when and if MassDEP deems it necessary, as referenced in Approval MBR-91-COM-027, Proviso V.5.c.
GT-42-1A, HRSG-42-1B, BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7	In accordance with 310 CMR 7.04(2)(a), maintain a smoke density sensing instrument that is properly maintained in an accurate operating condition, operates continuously and is equipped with an audible alarm to signal the need for combustion equipment adjustment or repair when the smoke density is equal to or greater than No. 1 of the Chart.
BLR-42-3, BLR-42-4, BLR-42-5	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor monthly and 12 month rolling period fuel usage.
	Perform an annual compliance test on each boiler prior to October 1 of each year as provided in Approval MBR-94-COM-016, Proviso No. IV.1.
	For each shipment of residual oil, monitor the name of the fuel supplier, the nitrogen content of and the location where the sample was drawn for analysis to determine the nitrogen content. As an alternative, the Permittee may elect to sample and analyze the residual oil immediately after the fuel tank is filled and before any oil is combusted according to methods approved by MassDEP as provided in Approval MBR-94-COM-016, Proviso No. III. 1. b.
	Conduct a NO_x/CO minimization program as part of the required compliance testing unless data to demonstrate that a NO_x/CO minimization program has already been conducted and that the testing methodology is acceptable to MassDEP, as provided in Approval MBR-94-COM-016, Proviso Nos. II and IV.2.

Table 4	
EU #	Monitoring and Testing Requirements
BLR-42-3, BLR-42-4, BLR-42-5	In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, as a minimum, calibrate the smoke density indicator system at least annually in accordance with the manufacturer's recommended procedures.
	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, startups, shutdowns, and soot blowing for BLR-42-3, BLR-42-4, and BLR-42-5, and additionally burner changes for BLR-42-3 and BLR-42-4.
	MIT shall operate the boilers in accordance with the Plan of Good Operating Practices. Exceptions taken per 310 CMR 7.06(1)(c)1.b or c shall be tallied. If more than the two allowable exceptions per 310 CMR 7.06(1)(c)1.b. for a particular boiler should occur within a calendar quarter, then at the third and each subsequent occurrence(s) of opacity above 60% for any allowed special operating condition during the quarter, a Method 9 test shall be conducted on that boiler at the next scheduled special operating condition of the type that resulted in the highest of the three opacity readings over 60% during the quarter. If it is not practical to complete Method 9 testing for the applicable special condition during the next scheduled event, the Permittee may request an alternative test schedule. In addition, based upon the cause of the excess exception, the Permittee may request a waiver of the Method 9 test requirement. Any request shall be in writing to MassDEP. If more than the allowable exceptions per 310 CMR 7.06(1)(c)1.c. for a particular boiler should occur within a calendar quarter, then during the next calendar quarter, at the next scheduled event of the predominant special operating condition that caused the excursion, a Method 9 test shall be conducted on that boiler, and the Plan of Good Operating Practices should be revised, if appropriate. If it is not practical to complete Method 9 testing for the applicable special condition during the next quarter, the Permittee may request an alternative test schedule. In addition, based upon the cause of the excursion, the Permittee may request a waiver of the Method 9 test requirement. Any request shall be in writing to MassDEP.
	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 start-up, shutdown, soot blowing events, and/or burner changes until the day that the smoke density indicator and recorder is placed back in service as referenced in Final Approval of 310 CMR 7.06(1)(c) Plan of Good Operating Practices.
	Measure for each unit on a daily basis: type of fuel(s) burned each day, heat content of each fuel, total heating value of the fuel consumed for each day, actual NOx emission rate(for units demonstrating compliance with CEMS) and the allowable emission rate as referenced in Approval MBR-94-COM-016, Proviso No. III.1.a.
	In accordance with 310 CMR 7.06(1)(c), and the Plan of Good Operating Practices, the opacity levels during normal operation, start-up, shutdown, soot blowing of BLR-42-3, BLR-42-4, and BLR-42-5 and additionally burner change of BLR-42-3 and BLR-42-4, as applicable, shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 at least once every twelve calendar months, based upon each boiler's prior year operations and opacity emissions performance. If none of the specified opacity emission exceptions occurred requiring a Method 9 test in accordance with 310 CMR 7.06(1)(c)1.b or 1.c, on any boiler during a calendar year, then conduct at least one Method 9 test during normal operation for that boiler. If a specified exception occurred in accordance with 7.06(1)(c)1.b or 1.c, and, as a result, a Method 9 test was conducted on a specified boiler, that Method 9 shall count as the minimum annual Method 9 observation for that boiler.
	Compliance with visible emission limits shall be based upon a six-minute average determined by the procedures set forth in Method 9, (as described in 40 CFR Part 60, Appendix A-4) per 310 CMR 7.06(1)(c)1.d.i. Continuous opacity monitors shall serve as indicator monitors.

Table 4	
EU #	Monitoring and Testing Requirements
DG-42-6	Monitor hours of operation using a time elapsed meter that cannot be reset, as referenced in Approval MBR-00-COM-062, Proviso No. C.5.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor fuel usage and calculate emissions of NO_x , CO, VOC, SO_2, and PM , all on both a monthly and 12 month rolling period basis.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor maintenance activities on the unit.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor that the unit does not participate in any energy assistance program, or as a peak shaving unit.
	Monitor operations to ensure the existing exhaust gas stack serving existing emergency generator, DG-42-6 is raised from 53.75 feet above ground to 63.75 feet above ground prior to the initial operation of BLR-42-9 as referenced in Approval MBR-10-COM-007, Table 3.
BLR-42-7	Monitor fuel usage by calibrating, maintaining, and operating a fuel-metering device for each fuel of use for the subject boiler so that fuel usage can be recorded for the subject boiler, as referenced in Approval MBR-09-COM-007, Section 4.B.
	Monitor fuel purchases receipts and fuel usage logs which reflect actual fuel usage on a weekly basis as well as monthly totals of fuel usage and resulting emissions from each type of fuel burned, the actual sulfur content of the fuel oil used, and the total fuel usage and resulting emissions from each type of fuel burned for the previous twelve months as referenced in Approval MBR-09-COM-007, Section 4.B.
	Monitor the number of gallons of ULSD fuel oil that MIT has utilized in each twelve month rolling calendar period, as referenced in MBR-09-COM-007, Section 4.B.
	Monitor when MIT switches to ULSD fuel oil, including the date and time of the fuel switch, the duration of the fuel switch, the amount of ULSD` fuel oil consumed during each fuel switch, and the date and time for return to natural gas firing, as referenced in Approval MBR-09-COM-007, Section 4.B.
	Conduct NOx/CO optimization and tune the boiler according to procedures contained in EPA 340/1-83-023 "Combustion Efficiency Optimization Manual for Operators of Oil and Gas Fired Boilers" with the goal of reducing air pollutant emissions to optimum levels. In addition, MIT shall tune the boiler in accordance with said procedures on an annual basis, as referenced in Approval MBR-09-COM-007, Section 4.B. Allow MassDEP to witness tuning of the boiler if and when requested by MassDEP as referenced in Approval MBR-09-COM-007, Section 4.B.
	In accordance with 310 CMR 7.04(2)(a), maintain a smoke density sensing instrument that is properly maintained in an accurate operating condition, operates continuously and is equipped with an audible alarm to signal the need for combustion equipment adjustment or repair when the smoke density is equal to or greater than No.1 of the Chart.
	MIT shall maintain run time meter for BLR-42-7 to verify that said unit does not exceed a total of 3600 hours per rolling twelve month period and 720 hours of operation on ULSD per twelve month rolling period as referenced in Approval MBR-09-COM-007, Section 4.B.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor operations such that compliance with all BLR-42-7 record keeping requirements and reporting requirements contained in Tables 5 and 6 of this Permit can be maintained.
	Monitor all actions associated with environmental issues and overall emissions changes at the facility such as the results of federal, state, or local environmental inspections; maintenance or corrective actions related to pollution control equipment; and measures taken to lower overall emissions to the environment (air, odors, solid waste, etc.) as referenced in Approval MBR-09-COM-007, Section 4.B.

Table 4	
EU #	Monitoring and Testing Requirements
BLR-42-8	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor operation such that compliance with the record keeping requirements for BLR-42-8 in Table 5 of this Operating Permit can be maintained.
	Install, calibrate, maintain, and operate a fuel-metering device so that fuel usage can be recorded for the subject boiler; as referenced in Approval MBR-05-COM-004, Proviso D.6.
	Within sixty (60) days of commencement of operation conduct NOx/CO optimization and tune said boiler according to procedures contained in EPA 340/1-83-023 "Combustion Efficiency Optimization Manual for Operators of Oil and Gas Fired Boilers" with the goal of reducing air pollutant emissions to optimum levels as referenced in Approval MBR-05-COM-004, Proviso D.7.
	Tune the boiler according to procedures contained in EPA 340/1-83-023 "Combustion Efficiency Optimization Manual for Operators of Oil and Gas Fired Boilers" and inspect and maintain the boiler per manufacturer recommendations as well as test for efficient operation on an annual basis as referenced in Approval MBR-05-COM-004, Proviso D.7.
	That for compliance testing purposes, the subject boiler shall be constructed so as to accommodate the emissions testing requirements as stipulated in 40 CFR Part 60, Appendix A. The two outlet sampling ports (90 degrees apart from each other) for the subject boiler must be located at a minimum of one duct diameter upstream and two duct diameters downstream of any flow disturbance, as referenced in Approval MBR-05-COM-004, Proviso D.9.
	Allow MassDEP to witness tuning if and when requested by MassDEP as referenced in Approval MBR-05-COM-004, Proviso D.14.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor all actions associated with environmental issues and overall emissions changes at the facility such as the results of federal, state, or local environmental inspections; maintenance or corrective actions related to pollution control equipment; and measures taken to lower overall emissions to the environment (air, odors, solid waste, etc.).
BLR-42-9	Monitor operations so that compliance with the notification of the date of initial start- up can be maintained as required in 40 CFR 60.49b(a) as referenced in Approval MBR-10-COM-007, Table 3.
	Install, calibrate, maintain, and operate a CEMS for measuring NO_x, CO and O_2 emissions as referenced in Approval MBR-10-COM-007, Table 3.
	The CEMS for measuring NO_x and O_2 shall be operated and data recorded during all periods of operation (including calibration checks and zero and span adjustments) except for periods of CEMS breakdown and repairs as referenced in 40 CFR 60.48b(c), incorporated herein by reference as referenced in Approval MBR-10-COM-007, Table 3.
	Monitor operations of the subject boiler during the initial performance test and the performance evaluation of the NO_x CEMS using the applicable performance specifications in Appendix B of 40 CFR Part 60 so that compliance with 40 CFR 60.46b(e) and the submittal requirements in Table 5 of this Permit can be maintained as referenced in Approval MBR-10-COM-007, Table 3.
	Monitor operations of the subject boiler so that all applicable record keeping required for compliance with 40 CFR 60.49b(g) and 40 CFR 60.49b(h) can be maintained as referenced in Approval MBR-10-COM-007, Table 3.

Table 4	
EU #	Monitoring and Testing Requirements
BLR-42-9	As referenced in Approval MBR-10-COM-007, Table 3 install, calibrate, test, operate, and maintain a Data Acquisition and Handling System(s) (DAHS), CEMS, and COMS in accordance with the Federal Regulations under 40 CFR Part 60, Appendices B and F. These systems will be used to measure and record the following emissions from the subject boiler, BLR-42-9: a) Oxides of Nitrogen (NO_x) b) Carbon Monoxide (CO) c) Oxygen (O_2) d) Opacity
	Measure the amounts of each fuel combusted during each day and calculate the annual capacity for each fuel individually so that compliance with 40 CFR 60.49b(d) can be maintained as referenced in Approval MBR-10-COM-007, Table 3.
	Comply with all applicable data capture, span values, and averaging requirements contained in 40 CFR 60.48b(d) and (e), incorporated herein by reference, for the NOx CEMS installation, evaluation, and operation as referenced in Approval MBR-10-COM-007, Table 3.
	Comply with alternative monitoring contained in 40 CFR60.48b(f), incorporated herein by reference, for periods when NOx emission data are not obtained as referenced in Approval MBR-10-COM-007, Table 3.
	Install, calibrate, maintain, and operate a fuel-metering device for each fuel of use for the subject boiler so that fuel usage can be monitored for the subject boiler as referenced in Approval MBR-10-COM-007, Table 3.
	Monitor fuel purchase receipts and fuel usage logs which reflect actual fuel usage on a weekly basis as well as monthly totals of fuel usage and resulting emissions from each type of fuel burned, the actual sulfur content of the fuel oil used, and the total fuel usage and resulting emissions from each type of fuel burned for the previous twelve months as referenced in Approval MBR-10-COM-007, Table 3.
	Conduct NOx/CO optimization and tune the subject boiler according to procedures contained in EPA 340/1-83-023 "Combustion Efficiency Optimization Manual for Operators of Oil and Gas Fired Boilers" with the goal of reducing air pollutant emissions to optimum levels. Tune the subject boiler in accordance with said procedures and inspect and maintain the boiler per manufacturer's recommendations as well as test for efficient operation on an annual basis. The results of said inspection, maintenance, and testing, and the dates upon which it was performed shall be recorded and posted conspicuously on or near the subject equipment. Allow MassDEP personnel to witness tuning of the subject boiler if and when requested by MassDEP as referenced in Approval MBR-10-COM-007, Table 3.
	Monitor operations via a run time meter for BLR-42-9 to verify that said unit does not exceed a total of 3600 hours of operations per any consecutive twelve month time period, 360 hours of operation on ULSD per consecutive twelve month time period through December 2011, and 720 hours of operation on ULSD per any consecutive twelve month time period commencing January 2012 as referenced in Approval MBR-10-COM-007, Table 3.
	Monitor all actions associated with environmental issues and overall emissions changes pertaining to BLR-42-9 such as the results of federal, state, or local environmental inspections; maintenance or corrective actions related to pollution control equipment; and measures taken to lower overall emissions to the environment (air, odors, solid waste, etc.) as referenced in Approval MBR-10-COM-007, Table 3.
	Monitor operations of BLR-42-9 such that compliance with all required record keeping requirements and reporting requirements can be maintained as referenced in Approval MBR-10-COM-007, Table 3.

Table 4	
EU #	Monitoring and Testing Requirements
BLR-42-9	In accordance with 310 CMR 7.04(2)(a), maintain a smoke density sensing instrument that is properly maintained in an accurate operating condition, operates continuously and is equipped with an audible alarm to signal the need for combustion equipment adjustment or repair when the smoke density is equal to or greater than No. 1 of the Chart as referenced in Approval MBR-10-COM-007, Table 3.
	As referenced in Approval MBR-10-COM-007, Table 3 monitor operations such that the emissions per any consecutive twelve month time period of NO_x, CO, $PM/PM_{10}/PM_{2.5}$,VOC, SO_2, and CO_2 from BLR-42-9 do not exceed the emissions limits contained in Table 3 of this Permit.
	Monitor BLR-42-9 operations such that accurate reports can be submitted to MassDEP in accordance with 310 CMR 7.12 as referenced in Approval MBR-10-COM-007, Table 3.
	Equip all the CEMS and COMS with audible and visual alarms to activate in an area manned by Central Utility Plant personnel whenever emissions from BLR-42-9 exceed those allowed as referenced in Approval MBR-10-COM-007, Table 3.
	Use and maintain its CEMS serving BLR-42-9 and the COMS serving BLR-42-7 and BLR-42-9 as a "direct-compliance" monitors to measure NO_x, CO, and opacity. "Direct-compliance" monitors generate data that legally documents the compliance status of an emission unit as referenced in Approval MBR-10-COM-007, Table 3.
	Any compliance tests required for BLR-42-9 shall be conducted in accordance with the procedures set forth by the appropriate US EPA Reference Test Methods and Massachusetts Air Pollution Control Regulation 310 CMR 7.13. A test results report shall be submitted to this Office, attention Bureau of Waste Prevention Permit Chief, within 60 days after the completion of said compliance testing as referenced in Approval MBR-10-COM-007, Table 3.
	Obtain emissions data from the CEMS serving BLR-42-9 and the COMS serving BLR-42-7 and BLR-42-9 for at least 75% of the emission unit's operating hours per day, for at least 75% of the emission unit's operating hours per month, and for at least 95% of the emission unit's operating hours per quarter, except for periods of CEMS and/or COMS calibration checks, zero and span adjustments, and preventive maintenance as referenced in Approval MBR-10-COM-007, Table 3.
	For compliance testing purposes, BLR-42-9 shall be constructed so as to accommodate the emissions testing requirements as stipulated in 40 CFR Part 60, Appendix A as referenced in Approval MBR-10-COM-007, Table 3.
	Conduct initial emissions compliance testing on BLR-42-9 for NO_x, CO, VOC, CO_2 and $PM/PM_{10}/PM_{2.5}$ to demonstrate compliance with short term emission limitations as specified in Table 3 of this Permit. All emission testing shall be completed within 180 days of the commencement of operation of the subject boiler and shall be conducted in accordance with appropriate test methods and procedures as contained in 40 CFR 60 Appendix A. MassDEP personnel shall be given adequate notice of testing date(s) and time(s) so as to have the opportunity to witness said testing if MassDEP deems this to be necessary as referenced in Approval MBR-10-COM-007, Table 3.
	A pre-test protocol, describing the test methods for NO_x, CO, VOC, CO_2 and $PM/PM_{10}/PM_{2.5}$ emissions, procedures for NO_x and CO optimization, sampling point locations, sampling equipment, analytical procedures, and operating conditions for the required testing must be submitted to this Office, attention Bureau of Waste Prevention Permit Chief, for review and MassDEP approval at least 30 days prior to the commencement of emission testing for BLR-42-9 as referenced in Approval MBR-10-COM-007, Table 3.

Table 4	
EU #	Monitoring and Testing Requirements
BLR-42-9	Conduct compliance tests for NOx and CO during start-up and shutdown periods for BLR-42-9. Emissions data generated from this testing will be made available for review by MassDEP prior to determining and approving the maximum allowable emissions, including opacity limits, for these periods of operation. MassDEP will incorporate these limits into the Final Approval for the subject boiler and upon issuance, such limits shall be enforceable as referenced in Approval MBR-10-COM-007, Table 3.
	Monitor operations to ensure that ULSD fuel oil testing in BLR-42-9 does not exceed 48 hours during any calendar year as referenced in Approval MBR-10-COM-007, Table 3.
BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7, FOB-51	Comply with all applicable monitoring/testing requirements contained in 40 CFR part 63 Subpart JJJJJJ, incorporated herein by reference. As currently required in § 63.11201 and Table 2 to Subpart JJJJJJ, conduct tune-up of boiler biennially as specified in § 63.11223(b)(1) through (7). In accordance with the current 40 CFR Part 63, Subpart JJJJJJ, §63.11223(b)(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 required biennial tune-up.
DG-16-906A, DG-68-701A, DG-W34-M40, DG-N9A, DG-W91-0, DG-W92, DG-NW-15A, DG-NW-15B, DG-E23-008A, DG1-W79, DG2-W79, DG-8, DG-NW86, DG-NW30	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor to ensure that the following records are maintained: a. Information of equipment type, make and model, and maximum power input/output; and b. 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 twelve months shall be kept on site; and c. Purchase orders, invoices and other documents to support information in the monthly log.
DG-NE30-01	The subject emergency generator shall be equipped with a fuel meter as referenced in Approval MBR-04-COM-015, Proviso No. D.7.
	The ability of the equipment to maintain emission rates at or below the required levels must be demonstrated when and if, in the opinion of MassDEP, such is deemed necessary as referenced in Approval MBR-04-COM-015, Proviso No. D.8.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor operations such that compliance with the record keeping requirement for DG-NE30-01contained in Table 5 of this Operating Permit can be maintained.
NGH-NW86A, NGH-NW86B	Maintain run time meters for NGH-NW86A and NGH-NW86B to verify that said units do not exceed a combined total of 8,760 hours of operation per rolling twelve month period as referenced in Approval MBR-04-COM-015, Proviso No. D.13.
NGB-NW86A, NGB-NW86B	Maintain run time meters for NGB-NW86A and NGB-NW86B to verify that said units do not exceed a combined total of 5,000 hours of operation per rolling twelve month period as referenced in Approval MBR-04-COM-015, Proviso No. D.14.
Group 1	In accordance with 310 CMR 7.03(8) and 310 CMR 7.18(8)(a), monitor the amount of solvent used and all work practices pertaining to degreasing activities. In accordance with 310 CMR 7.18(8)(h), upon request of MassDEP or EPA, perform or have performed tests to demonstrate compliance with 310 CMR 7.18(8).

Table 4	
EU #	Monitoring and Testing Requirements
DG-46-01, DG-46-02	The ability of the equipment to maintain emission rates at or below those listed in Table 3 of this Permit must be demonstrated when and if, in the opinion of MassDEP, such is deemed necessary as referenced in Approval MBR-03-COM-016, Condition D.8.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., the Permittee shall monitor operations such that compliance with the record keeping requirements for DG-46-01 and DG-46-02 in Table 5 of this Permit can be maintained.
	Each unit shall be equipped with a fuel meter to monitor fuel consumption as referenced in Approval MBR-03-COM-016, Condition D.7.
DG-W92, DG-NW30, DG-NW86, DG1-W79, DG2-W79, NGG-18, DG-32, DG-46-01, DG-46-02, DG-NE30-01	Maintain run time meters on each unit to verify that said units do not exceed 200 hours per rolling twelve month period, as referenced in Approval MBR-04-COM-015, Condition D.12.
PLAS LAB-39-1	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor operations to ensure compliance with the emission limitations in Table 3 of this Permit.
DG-E25, DG-E14, DG-E62, DG-NW35, DG-W98, DG-76, DG-W1, DG-W70, DFP-N57, DFP-E38	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.
	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).
	In accordance with 310 CMR 7.26(42)(e)3., any testing when required by MassDEP shall comply with the following: 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. Particulate matter from liquid fuel reciprocating engines shall be determined using Method 8178 D2 of the International Organization of Standardization. Testing shall be conducted at the full design load of the emergency engine. MassDEP may require emission or other testing to assure compliance with the emission limitations or fuel requirements.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor to ensure that the following records are maintained: a. Information of equipment type, make and model, and rated power output; and b. Monthly logs of hours of operation, fuel type, heating value, and sulfur content for fuel oil. A monthly calculation of the total hours operated and gallons of fuel used in the previous twelve months shall be kept on site; and c. Purchase orders, invoices and other documents to substantiate information in the monthly log; and d. Copies of certificates and documents from the manufacturer related to certificates.

Table 4	
EU #	Monitoring and Testing Requirements
DG-E25, DG-E14, DG-E62, DG-NW35, DG-W98, DG-76, DG-W1, DG-W70, DFP-N57, DFP-E38	As referenced in 40 CFR 60.4209(a) if you are an owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine.
DG-32	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor operations to ensure compliance with the restrictions and emission limitations in Table 3 of this Permit.
DG-W92, DG-NW30, DG-NW86, DG1-W79, DG2-W79, DG-32, DG-46-01, DG-46-02, NGG-18	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., monitor operations for 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 so that compliance with the reporting requirement for these emission units in Table 6 of this Permit can be maintained.
DG-NW35	Pursuant to 40 CFR 60.4209(b), a backpressure monitor that notifies the operator when the high backpressure limit of the engine is approached shall be installed and maintained.
Facility-Wide	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., monitor operations such that compliance with all record keeping requirements and reporting requirements contained in this Permit can be maintained.
	In accordance with 310 CMR 7.13(1), any person owning, leasing, operating or controlling a facility for which MassDEP has determined that stack testing is necessary to ascertain compliance with MassDEP'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 MassDEP, and (c) to be conducted in the presence of a representative of MassDEP when such is deemed necessary. Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., conduct any other testing or testing methodology if and when requested by MassDEP or EPA.
	Inspect and maintain each fuel utilization facility, having an energy input capacity of $\geq$ 3 MMBtu /hr in accordance with manufacturer's recommendations and test for efficient operation at least once in each calendar year as provided in 310 CMR 7.04(4)(a) incorporated herein by reference.
	Monitor facility operations such that compliance with the restrictions and emission limitations/standards contained in Table 3 of this Permit can be determined in accordance with 310 CMR 7.00 Appendix C(9)(b)2.
	In accordance with 310 CMR 7.00:Appendix C(9)(b)2., monitor the sulfur content of each new shipment of fuel oil received. Compliance with sulfur content can be demonstrated through testing or maintaining a shipping receipt from the fuel supplier. The shipment certification or testing of sulfur content of fuel oil shall be in accordance with the applicable American Society for Testing Materials (ASTM) test methods or any other method approved by MassDEP and EPA.
	Monitor facility operations such that emissions may be calculated as required for compliance with 310 CMR 7.12.

Key to Table 4:
Btu = British thermal unit
CEMS = Continuous Emission Monitoring System
CFR = Code of Federal Regulations
CMR = Code of Massachusetts Regulations
CO - Carbon Monoxide
CO_2 = carbon dioxide
COMS = Continuous Opacity Monitoring System
EPA = Environmental Protection Agency
EU = Emission Unit
lb = pound
MassDEP= Massachusetts Department of Environmental Protection
MMBtu = 1,000,000 British thermal units
MMBtu/hr = 1,000,000 British thermal units per hour
NO_x = Nitrogen Oxides
O_2 = Oxygen
PM = Particulate Matter
PM_{10} = particulate matter (10 microns or less)
$PM_{2.5}$ = particulate matter (2.5 microns or less) ppm - parts per million
SO_2 = Sulfur Dioxide
ULSD = ultra low sulfur diesel fuel oil containing a maximum of 0.0015% sulfur by weight
VOC = Volatile Organic Compound
% = percent
$\geq$ = greater than or equal to
/ = per
@ = at

Table 5	
EU #	Record Keeping Requirements
GT-42-1A	Except as provided in 40 CFR 60.334(b) the owner or operator of any stationary gas turbine subject to the provisions of 40 CFR 60.334 and using water injection to control NO_x emissions shall install and operate a continuous monitoring system to record the fuel consumption and the ratio of water to fuel being fired in the turbine as referenced in 40 CFR 60.334(a), incorporated herein by reference.
	Comply with applicable record keeping requirements of 40 CFR 60.334(b) incorporated herein by reference.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., maintain a record of Nitrogen Oxide excess emissions as defined in 40 CFR60.334(j)(1) and incorporated herein by reference.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., maintain a record of any daily period during which the sulfur content of the fuel being fired in the gas turbine exceeds 0.8 percent.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., maintain a record of each period during which the ice fog exemption provided in Sec. 60.332(f) is in effect.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., maintain a record of each period during which the emergency fuel exemption provided in Sec. 60.332(k) is in effect.
	In accordance with 40 CFR 60.7(f), incorporated herein by reference, maintain a record of information required in a permanent form suitable for inspection.
	In accordance with 40 CFR 60.7(b), incorporated herein by reference, maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.
GT-42-1A, HRSG-42-1B	Copies of the operating records of the cogeneration system for the most recent five years shall be maintained on-site and shall be made available for inspection by MassDEP personnel upon request as referenced in Approval MBR-91-COM-027, Proviso No. IV.4.a.
	Maintain adequate records to show that MIT has not exceeded the 30 day limit for use of transportation diesel fuel oil as referenced in Approval MBR-91-COM-027, Proviso No. I.1.c.

Table 5	
EU #	Record Keeping Requirements
GT-42-1A, HRSG-42-1B	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain a record of excess emissions for nitrogen oxides, carbon monoxide, and opacity including the magnitude, duration, date, and time of occurrence, the reason for the occurrence, the cause of the excess emission, the corrective action(s) taken, and the date, time, duration, and reason for any monitor outage(s).
	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain a record of CEMS and COMS data.
	That MIT shall keep operating and maintenance logbooks or equivalent record keeping system for the cogeneration system on-site. These logbooks shall contain the following information: a) Hours of operation of each unit including start-ups and shutdown b) All maintenance performed on the gas turbine combustion system, water injection system, the oxidation catalyst, and CEMS; c) All fuel oil purchase order receipts; d) All fuel oil samples taken for sulfur content analysis as required by the SOMP. The SOMP requires MIT personnel to either take fuel samples for each new load of fuel oil and have the sample analyzed or obtain the fuel analysis report from the fuel supplier as referenced in Approval MBR-91-COM-027, Proviso No. IV.4.f.
	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain records of natural gas supply interruption.
	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain records of air pollution control equipment malfunction, including date, time, reason(s), and steps taken to prevent recurrence in the future.
	Must comply with all applicable record keeping requirements contained in 40 CFR 60, 40 CFR 72, 40 CFR 75, 310 CMR 7.28.
	In accordance with 310 CMR 7.28(8)(e), information on the Authorized Account Representative (AAR) Form must be kept current.
	As required by 310 CMR 7.28(12), any person who owns, leases, operates or controls a budget unit must keep all measurements, data, reports and other information required by 310 CMR 7.28 for five years, or any other period consistent with the budget unit's Operating Permit
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., in the event of a major CTG failure, maintain a record of the following: a) the reason(s) for the outage, b) the steps taken to ensure that the outage shall not recur.
HRSG-42-1B, BLR-42-7, BLR-42-8	Maintain records, for a period of the five most recent years, of the amounts of each fuel combusted in each unit during each day as provided in 40 CFR 60.48c(g) incorporated herein by reference.
	Comply with all applicable record keeping requirements contained in 40 CFR Part 60 Subpart Dc.
HRSG-42-1B, BLR-42-7	Maintain records, for a period of the five most recent years, of the results from opacity observations as provided in 40 CFR 60.11(e)(2) incorporated herein by reference.
	In accordance with 40 CFR 60.48c(b), maintain records of COMS data, performance tests under 40 CFR 60.8, any subsequent performance tests as requested by EPA, and performance evaluations of the COMS using applicable Performance Specifications of 40 CFR 60, Appendix B.
	In accordance with 40 CFR 60.48c(e)(11) and 40 CFR 60.48c(f)(1), maintain records of fuel supplier certifications to demonstrate compliance with the SO_2 emission limits or fuel oil sulfur limits under 40 CFR 60.42c(d) and 40 CFR 60.42c(i). Said certifications shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c; more specifically, that the oil complies with specifications for Fuel Oil No. 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, and 98 "Standard Specification for Fuel Oils" (incorporated herein by reference-see 40 CFR 60.17). Comply with applicable record keeping requirements in 40 CFR 60.48c(e)2 through (10).

Table 5	
EU #	Record Keeping Requirements
GT-42-1A, HRSG-42-1B, BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7, BLR-42-9	Each unit shall be equipped with a smoke density sensing recorder which is properly maintained, operates continuously, and is equipped with an audible alarm as required in 310 CMR 7.04(2), incorporated herein by reference.
	Pursuant to MassDEP's authority under 310 CMR 7.00: Appendix C(9)(b)2, maintain records such that compliance with the notifications and reports required for GT-42-1A, HRSG-42-1B, BLR-42-3, BLR-42-4, BLR-42-5, and BLR-42-7 in Table 6 of this Permit can be maintained.
BLR-42-3, BLR-42-4, BLR-42-5	Record for each unit on a daily basis: type of fuel(s) burned each day, heat content of each fuel, total heating value of the fuel consumed for each day, actual NOx emission rate (for units demonstrating compliance with CEMS) and the allowable emission rate as referenced in Approval MBR-94-COM-016, Proviso No. III.1.a. Said records shall be permanently bound in a logbook or other form acceptable to MassDEP as referenced in Approval MBR-94-COM-016, Proviso No. III.1.c.
	In accordance with 310 CMR 7.06(1)(c), maintain records of the information herein. The calendar date for each record shall be clearly identified on the record. All records shall be maintained for a period of at least five (5) years as required in 310 CMR 7.00: Appendix C(10)(b).
	In accordance with 310 CMR 7.06(1)(c) and the Plan of Good Operating Practices, maintain smoke density indicator recorder records.
	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.
	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 MassDEP.
	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.
	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.
	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 start-up, shutdown, burner change, or soot blowing event.
	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.
	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 of this Operating Permit.
	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.
DG-42-6	Maintain a record of fuel usage and calculate emissions of NO_x , CO, VOC, SO_2, and PM , all on both a monthly and 12 month rolling period basis as required in Approval MBR-00-COM-062, Proviso No. C.9.
	Pursuant to MassDEP's authority under 310 CMR 7.00:AppendixC(9)(b)2, maintain a record of the hours of operation to demonstrate compliance with the limits in Table 3 of this Permit.
	Maintain monthly records of maintenance activities as referenced in Approval MBR-00-COM-062, Proviso No. C.9.
	Maintain a record of the construction completion date of when the existing exhaust gas stack serving existing emergency generator, DG-42-6 is raised from 53.75 feet above ground to 63.75 feet above ground as referenced in Approval MBR-10-COM-007, Table 4.

Table 5	
EU #	Record Keeping Requirements
BLR-42-7	Calibrate, maintain, and operate a fuel-metering device and recorder for each fuel of use for the subject boiler so that fuel usage can be recorded for the subject boiler, as referenced in Approval MBR-09-COM-007, Section 4.B.
	Keep ongoing records for the boiler that include fuel purchases receipts and fuel usage logs which reflect actual fuel usage on a weekly basis. Said fuel usage logs shall also contain: monthly totals of fuel usage and resulting emissions from each type of fuel burned, the actual sulfur content of the fuel oil used, and the total fuel usage and resulting emissions from each type of fuel burned for the previous twelve months, as referenced in Approval MBR-09-COM-007, Section 4.B.
	Maintain adequate records on site, which document the number of gallons of ULSD fuel oil that MIT has utilized in each twelve month rolling calendar period, as referenced in Approval MBR-09-COM-007, Section 4.B.
	Maintain adequate records on site of when MIT switches to ULSD fuel oil. These records shall indicate the date and time of the fuel switch, the duration of the fuel switch, the amount of ULSD fuel oil consumed during each fuel switch, and the date and time for return to natural gas firing, as referenced in Approval MBR-09-COM-007, Section 4.B.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., maintain a record of the emission test results.
	Unit shall be equipped with a smoke density sensing recorder which is properly maintained, operates continuously, and is equipped with an audible alarm as required in 310 CMR 7.04(2), incorporated herein by reference. Permittee shall maintain records as obtained by the aforementioned smoke density sensing recorder.
	MIT shall maintain an Environmental Logbook, or equivalent record keeping system, which shall document all actions associated with environmental issues and overall emissions changes at theCentral Utility Plant. The Permittee shall record information such as the results of federal, state, or local environmental inspections; maintenance or corrective actions related to pollution control equipment; and measures taken to lower overall emissions to the environment (air, odors, solid waste, etc.). This Logbook, or equivalent record keeping system, shall be made available to MassDEP personnel upon request as referenced in Approval MBR-09-COM-007, Section 4.B.
	Documentation from the equipment manufacturer shall be maintained on site that the subject boiler and its appurtenances as designed and installed shall comply with the pounds per million Btu emission limits in Table 3 of this Permit when operated in accordance with the manufacturer's instructions as referenced in Approval MBR-09-COM-007, Section 4. B.
	MIT shall maintain run time records for BLR-42-7 to verify that said unit does not exceed a total of 3600 hours per rolling twelve month period and 720 hours of operation on ULSD per rolling twelve month period, as referenced in Approval MBR-09-COM-007, Section 4.B.
BLR-42-8	That MIT shall maintain adequate records on-site to document the compliance status with respect to the emission caps as stated Table 3 above. Said records shall be made available to MassDEP personnel upon request, and shall be kept on site for a minimum of five years (See On-Site Record Keeping Form for an example of a format that is acceptable to MassDEP. An electronic version of this form in Microsoft Excel format can be obtained at http://www.mass.gov/dep/bwp/daqc/aqforms.htm), as referenced in Approval MBR-05-COM-004, Proviso D.3.
	Install, calibrate, maintain, and operate a fuel recorder for the subject boiler so that fuel usage can be recorded for the subject boiler; as referenced in Approval MBR-05-COM-004, Proviso D.6.
	Keep ongoing records for the boiler that include fuel purchase receipts and fuel usage logs which reflect actual fuel usage on a weekly basis. Said fuel usage logs shall also contain: monthly totals of fuel usage and resulting emissions, and the total fuel usage and resulting emissions for the previous twelve months; as referenced in Approval MBR-05-COM-004, Proviso D.6.

Table 5	
EU #	Record Keeping Requirements
BLR-42-8	Keep ongoing records for the boiler that include hours of operation to verify compliance with the allowable 432 hours for total operation and 30 hours for testing and maintenance, each for the six month period commencing September 12, 2010; as referenced in the Modified Conditional Approval MBR-05-COM-004, Proviso No. D.4.
	Keep all required records on site for five (5) years and make them available for inspection by MassDEP personnel upon request as referenced in Approval MBR-05-COM-004, Proviso D.6.
	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., maintain a record of the date the unit is permanently removed from service.
	MIT shall maintain an Environmental Logbook, or equivalent record keeping system, 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 pollution control equipment; and measures taken to lower overall emissions to the environment (air, odors, solid waste, etc.). This Logbook, or equivalent record keeping system, shall be made available to MassDEP personnel upon request as referenced in Approval MBR-05-COM-004, Condition No. D.22.
	The results of the inspection, maintenance, and testing required for BLR-42-8 in Table 4 of this Permit and the date upon which it was performed shall be recorded and posted conspicuously on or near the subject equipment as referenced in Approval MBR-05-COM-004, Proviso D.7.
BLR-42-9	Maintain a record of the date of initial start-up so that compliance with 40 CFR 60.49b(a) can be maintained as referenced in Approval MBR-10-COM-007, Table 4.
	As referenced in Approval MBR-10-COM-007, Table 4 maintain records of the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in Appendix B of 40 CFR Part 60 so that compliance with the submittal requirements in Table 6 of this Permit can be maintained.
	Record and maintain records, for a period of the five most recent years, of the amounts of each fuel combusted during each day and calculate the annual capacity for each fuel as provided in 40 CFR 60.49b(d) incorporated herein by reference as referenced in Approval MBR-10-COM-007, Table 4.
	Maintain all applicable record keeping so that compliance with 40 CFR 60.49b(g) and 40 CFR 60.49b(h) can be maintained as referenced in Approval MBR-10-COM-007, Table 4 .
	Record the outcome of the CEMS for measuring NO_x and O_2 emissions as referenced in 40 CFR 60.48b(b), incorporated herein by reference as referenced in Approval MBR-10-COM-007, Table 4.
	The CEMS and COMS shall be operated and data recorded during all periods of operation (including calibration checks and zero and span adjustments) except for periods of CEMS and/or COMS breakdown as referenced in Approval MBR-10-COM-007, Table 4.
	As referenced in Approval MBR-10-COM-007, Table 4, record the following emissions during all periods of operation of BLR-42-9: a) Oxides of Nitrogen (NO_x) b) Carbon Monoxide (CO) c) Oxygen (O_2) d) Opacity
	Comply with all applicable fuel receipt and certification record keeping contained in 40 CFR 60.49b(r), incorporated herein by reference as referenced in Approval MBR-10-COM-007, Table 4.

Table 5	
EU #	Record Keeping Requirements
BLR-42-9	Maintain records of each fuel of use for BLR-42-9 as referenced in Approval MBR-10-COM-007, Table 4.
	Keep ongoing records for BLR-42-9 that include fuel purchase receipts and fuel usage logs which reflect actual fuel usage on a weekly basis. Said fuel usage logs shall also contain: monthly totals of fuel usage and resulting emissions from each type of fuel burned, the actual sulfur content of the fuel oil used, and the total fuel usage and resulting emissions from each type of fuel burned for the previous twelve months as referenced in Approval MBR-10-COM-007, Table 4.
	Maintain an Environmental Logbook, or equivalent record keeping system, which shall document all actions associated with environmental issues and overall emissions changes pertaining to BLR-42-9 MIT shall record information such as the results of federal, state, or local environmental inspections; maintenance or corrective actions related to pollution control equipment; and measures taken to lower overall emissions to the environment (air, odors, solid waste, etc.). This Logbook, or equivalent record keeping system, shall be made available to MassDEP personnel upon request as referenced inApproval MBR-10-COM-007, Table 4.
	Documentation from the equipment manufacturer shall be maintained on site that BLR-42-9 and its appurtenances as designed and installed shall comply with the pounds per million Btu emission limits in Table 3 above when operated in accordance with the manufacturer's instructions as referenced in Approval MBR-10-COM-007, Table 4.
	Maintain run time records for BLR-42-9 to verify that said unit does not exceed a total of 3600 hours of operation per any consecutive twelve month time period, 360 hours of operation on ULSD per consecutive twelve month time period through December 2011, and 720 hours of operation on ULSD per any consecutive twelve month time period commencing January 2012 as referenced in Approval MBR-10-COM-007, Table 4.
	Maintain COMS records on site as referenced in Approval MBR-10-COM-007, Table 4.
	Maintain a record of the facility-wide total monthly and consecutive twelve month time period emissions of NO_x, CO, PM/PM10/PM2.5,VOC, CO_2 and SO_2 in tons in order to verify that the actual facility-wide emissions do not exceed the emissions limits established in Table 3 of this Permit. The electronic version of the MassDEP approved Record Keeping Form can be downloaded at (http://www.mass.gov/dep/air/approvals/aqforms.htm#report) as referenced in Approval MBR-10-COM-007, Table 4.
	Maintain a log to record problems, upsets or failures associated with the subject emission control systems, other monitoring systems, DAHS, CEMS, or COMS as referenced in Approval MBR-10-COM-007, Table 4.
	Record emissions data from the CEMS serving BLR-42-9 and the COMS serving BLR-42-7 and BLR-42-9 for at least 75% of the emission unit's operating hours per day, for at least 75% of the emission unit's operating hours per month, and for at least 95% of the emission unit's operating hours per quarter, except for periods of CEMS and COMS calibration checks, zero and span adjustments, and preventive maintenance as referenced in Approval MBR-10-COM-007, Table 4.
	As referenced in Approval MBR-10-COM-007, Table 4 maintain copies of all required records or reports on-site for five (5) years and make said records or reports available to MassDEP personnel upon request.
	Ensure that all emission monitors and recording equipment serving BLR-42-9 comply with MassDEP approved performance and location specifications as referenced in Approval MBR-10-COM-007, Table 4.
	Maintain operational records to document that ULSD fuel oil testing in BLR-42-9 does not exceed 48 hours during any calendar year as referenced in Approval MBR-10-COM-007, Table 4.

Table 5	
EU #	Record Keeping Requirements
BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7, FOB-51	Comply with applicable recordkeeping requirements contained in 40 CFR Part 63 Subpart JJJJJJ, incorporated herein by reference. In accordance with the current 40 CFR Part 63.11225(c)(1) and as required in the current §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.
	In accordance with the current 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.
	In accordance with the current 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.
	In accordance with the current 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.
	In accordance with the current 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.
	In accordance with the current 40 CFR Part 63.11225(d), and as required by §63.10(b)(1) records must be in a form suitable and readily available for expeditious review. As specified in the current §63.10(b)(1), you must keep each record for 5 years following the date of each recorded action. You must keep each record onsite for at least 2 years after the date of each recorded action according to §63.10(b)(1). You may keep the records off site for the remaining 3 years.
	In accordance with the current 40 CFR 63.11223(b)(6), maintain and submit, if requested by the Administrator, biennial report containing the information in paragraphs 40 CFR 63.11223(b)(6)(i) through (iii). Said records include: (i)The concentrations 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, (ii) A description of any corrective action taken as a part of the tune-up of the boiler(s), and (iii) The type and amount of fuel used over the 12 months prior to the biennial tune-up of the boiler(s).
DG-16-906A, DG-68-701A, DG-W34-M40, DG-N9A, DG-W91-0, DG-W92 DG-NW-15A, DG-NW-15B, DG-E23-008A, DG1-W79, DG2-W79 DG-8, DG-NW30	As referenced in 310 CMR 7.02(8)(i)3, establish and maintain the following records for each unit: a. Information of equipment type, make and model, and maximum power input/output; and b. 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 twelve months shall be kept on site; and c. Purchase orders, invoices and other documents to support information in the monthly log.
	As referenced in 310 CMR 7.02(8)(i)4, certify that the log is accurate and true in accordance with 310 CMR 7.01(2).

Table 5	
EU #	Record Keeping Requirements
DG-W92, DG-NW30, DG-NW86, DG1-W79, DG2-W79, NGG-18, DG-32, DG-46-01, DG-46-02, DG-NE-30-01	Maintain records of run time on each unit to verify that said units do not exceed 200 hours per rolling twelve month period, as referenced in Approval MBR-04-COM-015, Condition D.12.
DG-NE30-01	The subject emergency generator shall be equipped with a fuel recorder as referenced in Approval MBR-04-COM-015, Proviso No. D.7.
	Maintain adequate monthly records to demonstrate that the NOx, CO, VOC, SO_2 and PM emissions from the subject emergency generator do not exceed the emission levels specified in Table 3 of this Operating Permit. At a minimum, the information shall include the amount of fuel used during the month for the subject emergency generator, and the actual emissions (i.e. actual fuel multiplied by emission rate) of NOx, CO, VOC, SO_2 and PM for the month, as well as the prior 11 months, (See On-site Record Keeping Form for an example of a format that is acceptable to MassDEP. An electronic version of this form in Microsoft Excel format can be obtained at "**http://www.mass.gov/dep/bwp/daqc/resannrp/reshome.htm**"). Also, keep monthly records of maintenance activities for the subject emergency generator. These records shall be maintained on-site for a minimum of five years and shall be made available MassDEP personnel upon request, as referenced in Approval MBR-04-COM-015, Proviso No. D.10.
NGH-NW-86A, NGH-NW-86B	Maintain run time records for NGH-NW86A and NGH-NW86B to verify that said units do not exceed a combined total of 8,760 hours of operation per rolling twelve month period as referenced in Approval MBR-04-COM-015, Proviso No. D.13.
Group 1	In accordance with 310 CMR 7.18(8)(g), maintain records sufficient to demonstrate compliance status. Said records shall include, at a minimum, the following:(1) identity, quantity, formulation and density of solvent(s) used; and (2) quantity, formulation and density of all waste solvent(s) generated, and; (3) actual operational and any appurtenant emission capture and control equipment.
	In accordance with 310 CMR 7.03(8), maintain monthly records sufficient to demonstrate compliance status with solvent usage rate.
PLAS-LAB-39-1	Pursuant to MassDEP's authority through 310 CMR 7.00:Appendix C(9)(b)2., maintain records to document the compliance status with respect to the restrictions in Table 3 of this Permit.
DG-46-01, DG-46-02	Each unit shall be equipped with a fuel recorder to record fuel consumption in order to verify that compliance with the restrictions in Table 3 of this Permit is maintained as referenced in Approval MBR-03-COM-016, Condition D.7.
	MIT shall keep monthly records of maintenance activities for the subject emergency generators. These records shall be maintained on-site for a minimum of five years and shall be made available to MassDEP personnel upon request as referenced in Approval MBR-03-COM-016, Condition D.10.

Table 5	
EU #	Record Keeping Requirements
DG-46-01, DG-46-02	That MIT shall maintain adequate monthly records to demonstrate that the NOx, CO, VOC, SO2 and PM emissions from the subject emergency generators 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 for the subject emergency generators, and the actual emissions (i.e. actual fuel multiplied by emission rate) of NOx, CO, VOC, SO2 and PM for the month, as well as the prior 11 months, (See attached On-site Record Keeping Form for an example of a format that is acceptable to MassDEP. An electronic version of this form in Microsoft Excel format can be obtained at "http://www.state.ma.us/dep/nero/bwp/nerobwp.htm").
DG-32	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain records of fuel usage to document the compliance status with respect to the restrictions in Table 3 of this Permit.
	As referenced in Approval MBR-02-COM-007, Condition No. C.11, maintain adequate records on-site to document the compliance status with respect to the emission caps as stated in Table 3 above. Said records shall be made available to MassDEP personnel upon request, and shall be kept on site for a minimum of five years. An electronic version of an example of a format that is acceptable to MassDEP in Microsoft Excel format can be obtained at http://www.state.ma.us/dep/nero/bwp/nerobwp.htm.
DG-E25, DG-E14, DG-E62, DG-NW35, DG-W98, DG-76, DG-W1, DG-W70, DFP-N57, DFP-E38	Maintain the following records: as referenced in Regulation 310 CMR 7.26(42)(f) , incorporated herein by reference: 1 Information on equipment type, make and model and rated 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.
	Pursuant to 40 CFR 60.4214(b), starting with the model years in table 5 to 40 CFR 60 Subpart IIII, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the Permittee must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The Permittee must record the time of operation of the engine and the reason the engine was in operation during that time.
DG-W92, DG-NW30, DG-NW86, DG1-W79, DG2-W79, DG-32, DG-46-01, DG-46-02, NGG-18	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain records of 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 so that compliance with the reporting requirement for these emission units in Table 6 of this Permit can be maintained.
DG-NW35	Maintain records of any corrective action taken if the high backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached as required in 40 CFR 60.4214(c).

Table 5	
EU #	Record Keeping Requirements
Facility-Wide	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain records to verify that compliance with the emission limitations in Table 3 of this Permit is maintained.
	The results of the required inspection, maintenance, and testing and the date upon which it was performed shall be recorded and posted conspicuously on or near each fuel utilization facility having an energy input capacity of $\geq$ 3 MMBtu/hr, as provided in 310 CMR 7.04(4)(a) incorporated herein by reference. Said records shall be maintained on site for a period of the five most recent years.
	Maintain fuel purchase records in order to demonstrate compliance with fuel sulfur content requirements as provided in 310 CMR 7.05(1)(a) incorporated herein by reference. Said records shall be maintained on site for a period of the five most recent years.
	Pursuant to MassDEP's authority under 310 CMR 7.00: Appendix C(9)(b)2, maintain records of any EPA Method 9 opacity determinations performed according to 40 CFR 60, Appendix A if and when said testing is required by MassDEP or EPA.
	Pursuant to MassDEP's authority under 310 CMR 7.00: Appendix C(9)(b)2, maintain records of the test results of any Emissions Compliance Testing required by MassDEP or EPA.
	Maintain records of facility operations such that information may be reported as required for compliance with 310 CMR 7.12. Keep copies of all information supplied to MassDEP pursuant to 310 CMR 7.12 on site for five (5) years after the date the report is submitted.
	Pursuant to MassDEP's authority through 310 CMR 7.00: Appendix C(9)(b)2., maintain HAPs record keeping to document the Permittee's facility-wide HAPs emissions status with regard to the federal major source HAPs thresholds.
	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 initial 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: a) The date, place as defined in the permit, and time of sampling or measurements; b) The date(s) analyses were performed; c) The company or entity that performed the analyses; d) The analytical techniques or methods used; e) The results of such analyses; and f) 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.

Key to Table 5:
Btu = British thermal unit
CEMS = Continuous Emission Monitoring System
CFR = Code of Federal Regulations
CMR = Code of Massachusetts Regulations
CO - Carbon Monoxide
CO_2 = carbon dioxide
COMS = Continuous Opacity Monitoring System
EPA = Environmental Protection Agency
EU = Emission Unit
HAP = Hazardous Air Pollutant
lb = pound
MassDEP= Massachusetts Department of Environmental Protection
MMBtu = 1,000,000 British thermal units
MMBtu/hr = 1,000,000 British thermal units per hour
NO_x = Nitrogen Oxides
O_2 = Oxygen

PM = Particulate Matter
PM_{10} = particulate matter (10 microns or less)
$PM_{2.5}$ = particulate matter (2.5 microns or less) ppm - parts per million
SO_2 = Sulfur Dioxide
ULSD = ultra low sulfur diesel fuel oil containing a maximum of 0.0015% sulfur by weight
VOC = Volatile Organic Compound
% = percent
≥ = greater than or equal to
/ = per
@ = at

Table 6	
EU #	REPORTING REQUIREMENTS
GT-42-1A	Comply with the applicable reporting requirements contained in 40 CFR 60.7(c) and 40 CFR 60.334, incorporated herein by reference.
	In accordance with 40 CFR 60.8(d) incorporated herein by reference, provide the Administrator at least 30 days prior notice of any performance test.
	In accordance with 40 CFR 60.8(a) incorporated herein by reference, furnish a written report of the results of performance test(s) to the Administrator.
GT-42-1A, HRSG-42-1B	Comply with all applicable reporting requirements contained in 40 CFR 60, 40 CFR 72, 40 CFR 75, and 310 CMR 7.28.
	The Permittee shall submit excess emission reports (EER) for nitrogen oxides, carbon monoxide, and opacity to MassDEP as required in 40 CFR Part 60.7(c). These reports shall include the magnitude, duration, date, and time of occurrence, the reason for the occurrence, the cause of the excess emission, the corrective action(s) taken, and the date, time, duration, and reason for any monitor outage(s) as referenced in Approval MBR-91-COM-027, Proviso No. IV.4.b.
	As referenced in Approval MBR-91-COM-027, Proviso No. IV.4, submit to this Office, the following information on a quarterly basis: a) all CEMS and COMS reports for NOx, CO, O2 and opacity; and b) the number of days that transportation diesel fuel was combusted, and amount in gallons, in the cogeneration system These reports shall be submitted to this Office by the thirtieth day of January, April, July, and October for the appropriate calendar quarter. The format of the CEMS reports shall comply with MassDEP CEM guidelines.
	That should the Permittee's natural gas supply be interrupted, MIT shall notify MassDEP within twenty-four (24) hours thereafter by FAX at (978) 694-3498 and within seven calendar days thereafter in writing. This written notification shall indicate the date and time of interruption, expected duration of interruption, and anticipated date and time when a natural gas supply to the facility will resume. MIT shall notify MassDEP, as required above, when natural gas combustion has resumed at the facility as referenced in Approval MBR-91-COM-027, Proviso No. VI.6.a.
	Notify MassDEP by FAX (978) 694-3498 within twenty-four hours of the occurrence of any air pollution control equipment malfunction such as a shutdown of the water injection system and within seven calendar days thereafter in writing. This written notification shall indicate the date and time of the occurrence, the reason(s) for the occurrence and the steps that have been or will be taken to prevent its recurrence in the future as referenced in Approval MBR-91-COM-027, Proviso No. VI.6.b.

Table 6	
EU #	REPORTING REQUIREMENTS
GT-42-1A, HRSG-42-1B	As required by 310 CMR 7.28(13)(a)(1), for units commencing operation prior to May 1, 2002, the AAR must submit quarterly reports for each calendar quarter beginning with: the earlier of the calendar quarter that includes the date of initial certification or, if the certification tests are not completed by May 1, 2002, the partial calendar quarter from May 1, 2002 through June 30, 2002. Data shall be recorded and reported from the earlier of the date and hour corresponding to the date and hour of certification or the first hour on May 1, 2002.
	In accordance with 310 CMR 7.28(13)(b), the AAR for each budget unit using CEMS must submit to the Administrator all emissions and operating information for each calendar quarter of each year in accordance with the standards specified in 40 CFR Part 75 Subpart H and 40 CFR 75.64.
	In accordance with 310 CMR 7.28(13)(c)(2), for units not subject to an Acid Rain Emissions limitation, quarterly reports are only required to include all of the data and information required in 40 CFR Part 75 Subpart H for each NO_x Budget unit (or group of units using a common stack).
	NO_x emissions data should be reported directly to EPA's National Computer Center mainframe computer in a method acceptable to EPA. The deadline to submit data to EPA is 30 days after the end of each calendar quarter.
	In accordance with 310 CMR 7.28(15), for each control period, the AAR for the budget unit shall submit by November 30 of each year, an annual compliance certification report to the MassDEP and the NATS Administrator. The compliance certification shall contain, at a minimum, the items listed in 310 CMR 7.28(15)(c)1 through 8.
	In accordance with the requirements of 310 CMR 7.28(13), NOx emissions data must be reported pursuant to the requirements of 310 CMR 7.28(11)(a)(6), (a)(7) and (b).
	In accordance with 310 CMR 7.28(13)(e), by October 31 of each year, any person who owns, leases, operates or controls a new or existing budget unit must report to MassDEP each facility's metered net electric and useful steam output for that year's control period. Net electric output must be reported in megawatt-hours, and steam output in MMBtu. If data for steam output is not available, the person may report heat input providing useful steam output as a surrogate for steam output. (See Special Condition, Section 5. C. 1. d below)
	In accordance with 310 CMR 7.28(13)(c)(1), for units subject to an Acid Rain Emissions limitation, quarterly reports shall include all of the data and information required in 40 CFR Part 75 Subpart H for each NOx Budget unit (or group of units using a common stack) as well as information required in 40 CFR Part 75 Subpart G.
	Notification of QA testing is required for Relative Accuracy Test Audits (RATAs) and Appendix E/LME (Low Mass Emission) unit tests. Notification must be made at least 21days prior to the scheduled test date to the EPA as required by 40 CFR 75.61, to MassDEP Boston, Bureau of Waste Prevention, Division of Planning and Evaluation, and to the MassDEP Northeast Regional office, Attn: BWP Permit Chief. If tests must be rescheduled, 24 hours notice must be given, as specified in 40 CFR 75.61(a)(5).
	A previously approved RATA protocol may be referenced at the time of test notification provided that the referenced protocol was completed in accordance with current 40 CFR Part 75 procedures, addresses all previous MassDEP protocol comments to the satisfaction of the MassDEP, and none of the information has changed. If a revised protocol must be submitted, it must be submitted at least 21 days prior to the scheduled test date.
	A hardcopy of the QA RATA or Appendix E/LME test results must be submitted to both the MassDEP Lawrence and MassDEP Regional offices within 45 days of completion of tests. The electronic results must be submitted in the quarterly electronic data report (EDR).
	Results from QA daily Calibrations, quarterly Linearity checks and Appendix D Fuel Flowmeter tests must be reported electronically in the EDR submittal for the quarter in which the testing occurs.

Table 6	
EU #	REPORTING REQUIREMENTS
HRSG-42-1B, BLR-42-7	In accordance with 40 CFR 60.48c(d), an affected facility subject to the SO_2 emission limits or fuel oil sulfur limits under 40 CFR 60.42c(d) and 40 CFR 60.42c(i) shall submit to EPA and to MassDEP quarterly reports. The initial quarterly report shall be postmarked by the 30th day of the third month following the completion of the initial performance test as required under 40 CFR 60.8. Each subsequent quarterly report shall be postmarked by the 30th day following the end of the reporting period. The quarterly report shall contain calendar dates covered in the reporting period as per 40 CFR 60.48c(e)(1) and records of fuel supplier certifications as per 40 CFR 60.48c(e)(11) and 40 CFR 60.48c(f)(1). In addition to records of fuel supplier certifications, the quarterly report shall include a certified statement signed by the responsible official of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the quarter. Said certifications shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR 60.41c; more specifically, that the oil complies with specifications for Fuel Oil No. 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, 98, "Standard Specification for Fuel Oils" (incorporated herein by reference-see 40 CFR 60.17). Comply with applicable reporting requirements in 40 CFR 60.48c(e)2 through (10).
	In accordance with 40 CFR 60.48c(b), an affected facility subject to the opacity standards under 40 CFR 60.43c(c) and 40 CFR 60.43c(d) shall submit to EPA the COMS performance data from the initial performance test as required under 40 CFR 60.8 and any subsequent performance tests as requested by EPA, including performance evaluations of the COMS using applicable Performance Specifications of 40 CFR 60, Appendix B.
BLR-42-3, BLR-42-4, BLR-42-5	In accordance with 310 CMR 7.06(1)(c), notify the MassDEP, in writing, of any visible emissions monitoring that indicates the percent opacity to be in excess of that defined in Table 3. The notice shall be given within three (3) business days. Within seven (7) business days the Permittee shall submit: a copy of the 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.
	In accordance with 310 CMR 7.06(1)(c)1.g., when notified in writing at least five business days prior to scheduled events, the MassDEP may allow exemptions to 310 CMR 7.06(1)(c)1.a. and 310 CMR 7.06(1)(c)1.b. Such notification shall include a brief description of the activity, its start time and anticipated end time. MassDEP may allow a shorter notification period upon request. MassDEP may deny or limit the frequency of such activities.
	All 310 CMR 7.19(13)(d) related compliance records shall be submitted to MassDEP within 10 days of a written request by MassDEP as referenced in Approval MBR-94-COM-016, Proviso No. III.1.c.
	Submit a pretest protocol, at least 60 days prior to the anticipated date of testing for each required compliance test. Each protocol shall be submitted to this Office, Attention BWP Permit Chief, for MassDEP approval as provided in Approval MBR-94-COM-016, Proviso No. IV.3.
	A compliance test results report shall be submitted to this Office, Attention BWP Permit Chief, within 60 days after the completion of the test, for review and written MassDEP approval as provided in Approval MBR-94-COM-016, Proviso No. IV.3.

Table 6	
EU #	REPORTING REQUIREMENTS
GT-42-1A, HRSG-42-1B, BLR-42-3, BLR-42-4, BLR-42-5	In the case of a major CTG failure, MIT shall notify MassDEP of such within twenty-four hours thereafter by FAX at (978) 694-3498 and within seven business days thereafter in writing. MIT's written notification shall state the reason(s) for the outage and the steps taken to ensure that the outage shall not recur, as referenced in Approval MBR-91-COM-027, Proviso No. I.1.b.
	As referenced in Approval MBR-91-COM-027, Proviso IV.4.e, MIT shall submit to this Office, an annual written report for the CTG, HRSG, BLR-3, BLR-4, and BLR-5 to verify compliance with the applicable twelve month rolling calendar period emissions limitations contained in Table 3 of this Permit. This report shall utilize the equations provided in Special Condition L.3. of this Permit and shall be submitted along with the CEMs and COMS quarterly reports due on the thirtieth of January.
BLR-42-8	Notify MassDEP with written notice as to when the subject boiler has been permanently removed from service no later than March 12, 2011 and offsite, within fourteen (14) days thereof, as referenced in Modified Conditional Approval MBR-05-COM-004.
	A pre-test protocol, describing sampling point locations, sampling equipment, analytical procedures, and operating conditions for the required testing must be submitted to this Office, attention Bureau of Waste Prevention Permit Chief, for review and MassDEP approval at least 30 days prior to the commencement of emission testing at the facility testing as referenced in Approval MBR-05-COM-004, Proviso D.12.
	The final emission test results report must be submitted to this Office, attention Bureau of Waste Prevention Permit Chief, within 60 days of completion of said testing as referenced in Approval MBR-05-COM-004, Proviso D.11.
HRSG-42-1B, BLR-42-7, BLR-42-8	Comply with all applicable reporting contained in 40 CFR Part 60 Subpart Dc.
BLR-42-9	As referenced in 40 CFR 60.49b(a) submit notification of the date of initial start-up as provided by 40 CFR 60.7 to the USEPA Administrator and to MassDEP as referenced in Conditional Approval MBR-10-COM-007, Table 5.
	As referenced in 40 CFR 60.49b(b) submit to the USEPA Administrator and to MassDEP the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in Appendix B of 40 CFR Part 60 in a timely manner as referenced in Conditional Approval MBR-10-COM-007, Table 5.
	Submit to MassDEP and to the USEPA Administrator the excess emissions reports required by 40 CFR 60.49b(h) or 40 CFR 60.49b(v), incorporated herein by reference.
	Comply with the six month reporting period requirements contained in 40 CFR 60.49b(w), incorporated herein by reference as referenced in Conditional Approval MBR-10-COM-007, Table 5.
	By January 30th of each year, submit an Annual Emissions Report to this Office containing the actual NOx, CO, PM/PM10/PM2.5,VOC, CO_2 and SO_2 emissions in tons, on both a monthly and consecutive twelve month time period. The electronic version of the MassDEP approved Report Form in Microsoft Excel format can be downloaded at http://www.mass.gov/dep/air/approvals/aqforms.htm#report as referenced in Conditional Approval MBR-10-COM-007, Table 5.
	On an annual basis accurately report to MassDEP, in accordance with 310 CMR 7.12, all information as required by the Source Registration/Emission Statement Form. The Facility shall note any minor changes, which did not require Plan Approval (under 310 CMR 7.02, 7.03, etc.) therein. Include emissions from the subject boiler in the required Source Registration/Emission Statement report to MassDEP, in accordance with 310 CMR 7.12 as referenced in Conditional Approval MBR-10-COM-007, Table 5.
	Notify this Office, in writing, attention Bureau of Waste Prevention Permit Chief, when the installation of the subject boiler is complete and when it is ready for continuous operation, within fourteen days thereof as referenced in Conditional Approval MBR-10-COM-007, Table 5.

Table 6	
EU #	REPORTING REQUIREMENTS
BLR-42-9	Notify MassDEP by telephone, electronic mail or facsimile within three (3) business days after confirmation of any exceedance of any of the emission limits and/or production restrictions specified above. This must be followed up within seven (7) business days thereafter by submitting to this Office partially completed copies of the MassDEP approved On-Site Record Keeping and Report Forms which can be downloaded at www.state.ma.us/nero/bwp/nerobwp/.htm. Include with said submittal a description of the reason(s) for the exceedance and the steps being taken to prevent a re-occurrence in the future as referenced in Conditional Approval MBR-10-COM-007, Table 5.
	As referenced in Conditional Approval MBR-10-COM-007, Table 5 the Permittee shall include emissions from BLR-42-9 in its quarterly CEMS Excess Emissions report submitted to MassDEP. The report shall be submitted by the 30th day of the following month after the end of each quarter and shall contain at least the following information: a) The BLR-42-9 CEMS excess emission data, in a format acceptable to MassDEP. b) For each period of all excess emissions or excursions from allowable operating conditions for BLR-42-9, list the duration, cause, the response taken, and the amount of excess emissions. Periods of excess emissions shall include periods of start-up, shutdown, malfunction, emergency, and upsets or failures associated with the emission control system or CEMS. (**"Malfunction"** means any sudden and unavoidable failure of air pollution control equipment or process equipment or of a process to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions. **"Emergency"** means any situation arising from sudden and reasonably unforeseeable events beyond the control of this 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, 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 these things.) c) Total hours of operation of the subject equipment during the calendar quarter.
	As referenced in Conditional Approval MBR-10-COM-007, Table 5, submit to this Office, attention Bureau of Waste Prevention Permit Chief, the Standard Operating and Maintenance Procedures (SOMP) for BLR-42-9 within 60 days of completion of its compliance testing.
BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7, FOB-51	Comply with all applicable reporting requirements contained in 40 CFR Part 63 Subpart JJJJJJ, incorporated herein by reference. In accordance with the current 40 CFR Part 63.11225(a)(1) and (2), and as specified in § 63.9(b)(2), submit the initial notification no later than 120 calendar days after May 20, 2011 or within 120 days after the source becomes subject to the standard.

Table 6	
EU #	REPORTING REQUIREMENTS
	In accordance with the current 40 CFR Part 63.11225(a)(4), submit the Notification of Compliance Status in accordance with §63.9(h) no later than 120 days after the applicable compliance date specified in §63.11196. In addition to the information required in §63.9(h)(2), your notification must include the following certification(s) of compliance, as applicable, and be signed by a responsible official: (i) "This facility complies with the requirements in §63.11214 to conduct an initial tune-up of the boiler." (ii) "This facility has had an energy assessment performed according to §63.11214(c)." (iii) For an owner or operator that installs bag leak detection systems: "This facility has prepared a bag leak detection system monitoring plan in accordance with §63.11224 and will operate each bag leak detection system according to the plan." (iv) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act: "No secondary materials that are solid waste were combusted in any affected unit."
BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7, FOB-51	In accordance with the current 40 CFR Part 63.11225(b), prepare by March 1 of every other year, and submit to the delegated authority upon request, a biennial compliance certification report for the previous two calendar year period containing the information specified in paragraphs (b)(1) through (4) of this section. You must submit the report by March 15 if you had any instance described by paragraph (b)(3) of said section. (i) Company name and address. (ii) 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. (iii) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken. (iv) The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by you or EPA through a petition process to be a non-waste under §241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of §241.3, and the total fuel usage amount with units of measure.
BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7	In accordance with the current 40 CFR Part 63.11214(c), submit a signed certification in the Notification of Compliance Status report that an energy assessment was completed and submit, upon request, the energy assessment report.
Group 1	In accordance with 310 CMR 7.03(5), report to MassDEP any construction, substantial reconstruction or alteration of a degreaser described in 310 CMR 7.03(8) on the next required Source Registration/Emission Statement, in accordance with 310 CMR 7.12.

Table 6	
EU #	REPORTING REQUIREMENTS
DG-W92, DG-NW30, DG-NW86, DG1-W79, DG2-W79, DG-32, DG-46-01, DG-46-02, NGG-18	The MassDEP, Northeast Regional Bureau of Waste Prevention office, attention Compliance and Enforcement Chief, must be notified by FAX, at (978) 694-3498, 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 as referenced in Approval MBR-03-COM-016, Condition D.17.
Facility-Wide	Upon MassDEP's request, any record relative to the Operating Permit or to the emissions of any air contaminant from the facility shall be submitted to MassDEP within 30 days of the request by MassDEP or within a longer time period if approved in writing by MassDEP, and shall be transmitted on paper, on computer disk, or electronically at the discretion of MassDEP, pursuant to 310 CMR 7.00: Appendix C(10)(a) incorporated herein by reference.
	Submit by January 30 and July 30 for the previous six months respectively, a summary of all monitoring data and related supporting information to MassDEP as required by 310 CMR 7.00: Appendix C(10)(c) and General Condition No. 10 of this Permit.
	Submit Annual Compliance Report to MassDEP and USEPA on or before January 30 as required in General Condition 10 of this Permit.
	Promptly report to MassDEP 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 as specified in General Condition No. 25 of this Permit.
	Submit performance/compliance testing results reports to MassDEP as provided in 310 CMR 7.13(1)(d) and incorporated herein by reference.
	All required reports must be certified by a responsible official as provided in 310 CMR 7.00:Appendix C(10)(h) incorporated herein by reference.
	Submit a Source Registration/Emission Statement form to MassDEP on an annual basis as required by 310 CMR 7.12.

Key to Table 6:
Btu = British thermal unit
CEMS = Continuous Emission Monitoring System
CFR = Code of Federal Regulations
CMR = Code of Massachusetts Regulations
CO - Carbon Monoxide
CO_2 = carbon dioxide
COMS = Continuous Opacity Monitoring System
EPA = Environmental Protection Agency
EU = Emission Unit
lb = pound
MassDEP= Massachusetts Department of Environmental Protection
MMBtu = 1,000,000 British thermal units
MMBtu/hr = 1,000,000 British thermal units per hour
NO_x = Nitrogen Oxides
O_2 = Oxygen
PM = Particulate Matter
PM_{10} = particulate matter (10 microns or less)
$PM_{2.5}$ = particulate matter (2.5 microns or less) ppm - parts per million
SO_2 = Sulfur Dioxide
ULSD = ultra low sulfur diesel fuel oil containing a maximum of 0.0015% sulfur by weight
VOC = Volatile Organic Compound
% = percent
$\geq$ = greater than or equal to
/ = per
@ = at

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

5. SPECIAL TERMS AND CONDITIONS

The Permittee is subject to the following special terms and conditions:

A. FACILITY-WIDE:

1) Should any nuisance condition be generated at the facility, then appropriate steps shall immediately be taken to abate said nuisance condition(s). (State only requirement - 310 CMR 7.01 General Regulations to Prevent Air Pollution)

2) Facility shall not permit any dust or odor operations to cause or contribute to a condition of air pollution. (State only requirement - 310 CMR 7.09 Dust, Odor, Construction, and Demolition).

3) The Permittee is subject to, and has stated in their Operating Permit Application, TR# 91443, that the Permittee is in compliance with the requirements of 40 CFR 82: Protection of Stratospheric Ozone. These requirements are applicable to this facility and the United States Environmental Protection Agency enforces these requirements.

4) Any net NOx increases above the Permittee's baseline which equate to 25 or more tons occurring over a period of five consecutive calendar years shall become subject to Non-attainment Review as per the requirements of 310 CMR 7.00: Appendix A. Any net NO_x emissions increase occurring over a period of five consecutive calendar years, (including the 4.39 tons of NO_x that will result from installation and operation of BLR-42-9 for a total of 3600 hours of operation per consecutive twelve month time period with no more than 360 hours operating on ULSD), which equates to 25 or more tons of NO_x, shall become subject to the requirements of 310 CMR 7.00: Appendix A. Net increase in tons of NO_x emissions for the calendar years 2007-2011 inclusive was 19.47 tons as of the date of Conditional Approval MBR-10-COM-007, as referenced in Table 6 of said Approval.

5) Restricted Emission Status Approval MBR-95-RES-020, dated October 2, 1995 shall be considered terminated and all requirements from said Approval shall be considered null and void as of the date of the Final Operating Permit for this facility.

6) MIT 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. MIT shall continue to comply with 310 CMR 7.16.

7) Obtain prior written Approval from MassDEP in accordance with the applicable requirements of Regulation 310 CMR 7.02 for any proposed modifications of existing equipment or for the proposed installation of new equipment which will increase the facility-wide potential emissions of any air contaminant by one (1.0) ton or more per calendar year as referenced in Conditional Approval MBR-10-COM-007, Table 6.

B. GT-42-1A:

1) In accordance with the Custom Fuel Monitoring Approvals, approved by EPA pursuant to 40 CFR 60.334(b), on June 10, 2002 and June 2, 1999:
a) No monitoring of natural gas nitrogen is required so long as MIT is supplied with solely pipeline quality natural gas. MIT will use a continuous emissions monitoring (CEM) system in accordance with 40 CFR Part 60 to monitor NOx emissions from the turbine.
b) No monitoring of the water-to-fuel ratio or the nitrogen content of any fuel oil combusted in the turbine will be required so long as MIT does not seek a NOx allowance for the fuel bound nitrogen in order to meet its NOx emission limit.
c) Natural gas sulfur-content monitoring shall be conducted using ASTM method 5504-94 (or other EPA approved method) twice per year, during the first and third calendar quarters. Within 14 days of learning of any change in fuel supply or significant change in fuel quality, MIT shall notify EPA of the fuel supply change such that the custom fuel monitoring schedule can be reexamined. From the time of such notification, until a determination regarding the custom fuel monitoring schedule is made by EPA, fuel shall be monitored weekly.

C. GT-42-1A, HRSG-42-1B:

1) State NO_x Allowance Trading Program

a) GT-42-1A and HRSG-42-1B are subject to the requirements of the NO_x Allowance Program, 310 CMR 7.28. MassDEP issued a Revised Emission Control Plan Approval to the Permittee on January 29, 2004 (ECP Approval).

b) NOx Allowance use and transfer must comply with 310 CMR 7.28(10).

c) In accordance with 310 CMR 7.28(14), each year by November 30, for each budget unit, the total number of banked or current year allowances in its compliance or overdraft account must equal or exceed the NOx emissions from the budget unit in the current control period.

d) Each budget unit shall meter electric and/or steam output in accordance with the approved monitoring methodology contained in Table II and Table III of the ECP Approval.

Electric and Steam Output Meters

i. In the case where billing meters are used to determine output, no QA/QC activities beyond those already performed are required. To qualify as a billing meter, the measurement device must be used to measure electric or thermal output for commercial billing under a contract. The facility selling the electric or thermal output must have different owners from the owners of the party purchasing the electric or thermal output. Any electric or thermal output values that the facility reports must be the same as the values used in billing for the output.

ii. In the case where non-billing meters are used to determine output, if the facility decides to adopt a system approach to accuracy then a system accuracy of 10.0% must be achieved. If testing an output measurement system shows that the output readings are not accurate to 10.0% or less, then the measurement equipment must be retested or replaced, and meet that requirement. If the facility decides to adopt a component approach to accuracy, then a component accuracy of 3.0% must be achieved. If testing a piece of output measurement equipment shows that the output readings are not accurate to 3.0% or less of the full scale, then the measurement equipment must be retested or replaced, and meet that requirement. When a non-billing system fails to meet the 10% or 3% requirement, data should be considered invalid, prospectively, for purposes of determining allocations. Data remain invalid until the output measurement equipment passes an accuracy test or is replaced with another piece of equipment that passes the accuracy test. The invalid data must be

omitted and either zero or an output value that is likely to be lower than a measured value must be reported.

iii. Output measurement equipment must be tested for accuracy or recalibrated at least once every two years, in accordance with applicable consensus or NIST traceable standards, unless a standard allows for less frequent calibrations or accuracy tests.

2) The Final Standard Operating and Maintenance Procedures (SOMP) for the cogeneration system shall be maintained in the facility's control room. In addition, any subsequent revisions made to the SOMP must be submitted to this Office, Attention: Bureau of Waste Prevention Permit Chief, within seven days of the modification(s) as referenced in Approval MBR-91-COM-027, Proviso No. III.3.

3) Per data as supplied through the Conditional Approval (Application No. MBR-09-COM-007) GT-42-1A and HRSG-42-1B shall continue to emit products of combustion through a stack with the following parameters:

Stack Height Above the Ground	Stack Height Above Roof	Stack Inside Exit Diameter	Minimum Stack Gas Velocity
120 feet	55 feet	72 inches	103 feet per second

4) As referenced in Approval MBR-09-COM-007, Proviso 5.5, any subsequent changes to the combustion turbine/HRSG CEMS QAQC program shall be approved by MassDEP. The Permittee shall comply with reporting requirements specified in 40 CFR 60, Appendix F. The Permittee shall maintain an adequate supply of spare parts on-site to maintain its CEMS.

5) Massachusetts Clear Air Interstate Rule (MassCAIR); 310 CMR 7.32: The owner/operator is subject to and shall comply with the Massachusetts Clean Air Interstate Rule (CAIR), 310 CMR 7.32, and has submitted a CAIR permit application pursuant to 310 CMR 7.32(3).

D. BLR-42-3, BLR-42-4, BLR-42-5:

1) Per data as supplied through the Permittee's Operating Permit Application (MBR-95-OPP-026) BLR-42-3, BLR-42-4, and BLR-42-5 shall continue to emit products of combustion through a stack with the following parameters:

Stack Height Above the Ground	Stack Inside Exit Diameter	Stack Material
177 feet	132 inches	Masonry

E. DG-42-6:

1) A copy of the Standard Operating and Maintenance Procedure for the subject equipment shall be affixed at or adjacent to the subject equipment, as referenced in Approval MBR-00-COM-062, Proviso No. C.2.

2) The noise generated by the operation of the subject engine/generator set shall be in compliance with Regulation 310 CMR 7.10 and the Bureau of Waste Prevention's Noise Policy No. 90-001, as referenced in Approval MBR-00-COM-062, Proviso No. C.3.

3) The exhaust gases from the exhaust stack shall not be impeded by any stack exit rain protection device; and that the height of the stack exit shall be at least 8.75 feet above the building roof, as referenced in Approval MBR-00-COM-062, Proviso No. C.4. The existing exhaust gas stack serving DG-42-6 has been raised from 53.75 feet above ground to 63.75 feet above ground prior to initial operation of BLR-42-9 as referenced in Approval MBR-10-COM-007, Table 6.

F. BLR-42-7:

1) Natural gas shall be the primary fuel of use in BLR-42-7 and ULSD shall be its back-up fuel of use, when natural gas is unavailable. BLR-42-7 shall run on ULSD for no more than 720 hours per 12-month calendar period as referenced in Approval MBR-09-COM-007, Special Condition, No. 7.

G. BLR-42-8:

1) A copy of the Standard Operating and Maintenance Procedures for the boiler shall be located at or nearby the subject equipment as referenced in Approval MBR-05-COM-004, Proviso D.20.

2) Post copies of Approval MBR-05-COM-004 adjacent to BLR-42-8 as referenced in Approval MBR-05-COM-004, Proviso D.19

H. DG-32:

1) A copy of Approval MBR-02-COM-007 and the Standard Operating and Maintenance Procedure for the subject equipment shall be affixed at or adjacent to the subject equipment, as referenced in Approval MBR-02-COM-007, Proviso No. C. 3.

2) The noise generated by the operation of the subject engine/generator set shall be in compliance with Regulation 310 CMR 7.10 and the Bureau of Waste Prevention's Noise Policy No. 90-001, incorporated herein by reference, as referenced in Approval MBR-02-COM-007, Proviso No. C. 4.

3) Exhaust gases from the exhaust stack shall exit vertically and shall not be impeded by any stack exit rain protection device; and that the height of the stack exit shall be at least 20 feet above the ground level, as referenced in Approval MBR-02-COM-007, Proviso No. C. 5.

I. Group 1:

1) As referenced in 310 CMR 7.18(8)(a), each degreaser must have a remote solvent reservoir; and

2) The solvent used in the cold cleaner must not have a vapor pressure that exceeds 4.3kPa (33mmHg or 0.6 PSI)measured at 38 degrees Celsius (100 degrees Fahrenheit) or be heated above 50 degrees Celsius (120 degrees Fahrenheit); and

3)The sink-like work area must have an open drain area less than 100 square centimeter; and

4) Any leaks shall be repaired immediately, or the degreaser shall be shut down.

J. DG-16-906A, DG-68-701A,DG-W34-M40, DG-W91-0,DG-W92,DG-NW-15A,DG-NW-15B,DG1-W79,DG-NW86, DG-8:

1) Units shall continue to be equipped and operated with exhaust silencers so that sound emissions from the engines do not cause or contribute to a condition of air pollution as referenced in 310 CMR 7.03(10)(a)(2).

K. DG-46-01, DG-46-02:

1) That a copy of Approval MBR-03-COM-016 and the Standard Operating and Maintenance Procedure for the subject equipment shall be affixed at or adjacent to the subject equipment as referenced in Approval MBR-03-COM-016, Condition D.3.

2)The noise generated by the operation of the subject emergency generators shall be in compliance with Regulation 310 CMR 7.10 and the Bureau of Waste Prevention's Noise Policy No. 90-001as referenced in Approval MBR-03-COM-016, Condition D.4.

3) That the exhaust gases from each exhaust stack shall exit vertically and shall not be impeded by any stack exit rain protection devices; and that the height of each stack exit shall be at least 156.25 feet above ground level and 31.25 feet above the rooftop as referenced in Approval MBR-03-COM-016, Condition D.5.

4) That subject Unit Nos. DG-46-01 and DG-46-02 shall not participate in any energy assistance program, or as a peak shaving unit, unless the proponent has been granted written Approval to do so by MassDEP as referenced in Approval MBR-03-COM-016, Condition D.9.

L. DG-NE30-01:

1)That the noise generated by the operation of this unit shall be in compliance with 310 CMR 7.10 and the Bureau of Waste Prevention's Policy No. 90-001 as referenced in Approval MBR-04-COM-015.

2)That the exhaust gases shall exit vertically and not be impeded by any stack exit rain protection devices; and that the height of the stack shall be at least 160 feet above ground level and 27 feet above the rooftop.

3) That Unit No. DG-NE30-01 shall not participate in any energy assistance program, or as a peak shaving unit, unless the proponent has been granted written Approval to do so by MassDEP as referenced in Approval MBR-04-COM-015, Proviso No. D.9.

M. GT-42-1A, HRSG-42-1B, BLR-42-3, BLR-42-4, BLR-42-5:

1)MassDEP will evaluate all available data to determine if an emissions violation and/or a violation of proper operating and maintenance procedures has occurred. If so, MassDEP will follow established enforcement protocol, as referenced in Approval MBR-91-COM-027, Proviso No. II.2.e.

2)A copy of Approval MBR-91-COM-027 shall be maintained in an accessible location of the control room of the MIT cogeneration plant as referenced in Approval MBR-91-COM-027, Proviso V.5.d.

3) Monitoring to determine compliance with the 12 month rolling calendar period emissions limitations in Table 3 of this Permit shall be determined utilizing the following equations as referenced in Approval MBR-91-COM-027, Proviso No. I.1.b.

Filterable particulate matter (PM):

$$\left(\frac{0.04\,lb\,PM\,(U)}{MMBtu}+\frac{0.055\,lb\,PM\,(V)}{MMBtu}+\frac{0.055\,lb\,PM\,(W)}{MMBtu}+\frac{0.007\,lb\,PM\,(X)}{MMBtu}+\frac{0.005\,lb\,PM\,(Y)}{MMBtu}+\frac{0.0076\,lb\,PM\,(Z)}{MMBtu}\right)\times\frac{ton}{2{,}000\,lb}\leq\frac{26.4\,tons\,PM}{12\,mrcp}$$

Sulfur dioxide (SO_2):

$$\left(\frac{0.051\,lb\,SO_2\,(U)}{MMBtu}+\frac{0.051\,lb\,SO_2\,(V)}{MMBtu}+\frac{0.514\,lb\,SO_2\,(W)}{MMBtu}+\frac{0.0014\,lb\,SO_2\,(X)}{MMBtu}+\frac{0.0014\,lb\,SO_2\,(Y)}{MMBtu}+\frac{0.0014\,lb\,SO_2\,(Z)}{MMBtu}\right)\times\frac{ton}{2{,}000\,lb}\leq\frac{147.0\,tons\,SO_2}{12\,mrcp}$$

Carbon Monoxide (CO): Calculations for carbon monoxide shall utilize CEMS data for emissions from the CTG and HRSG.

$$\frac{CTG\,\&\,HRSG\,CEMS\,Data\,CO\,tons}{12\,mrcp}+\left[\left(\frac{0.035\,lb\,CO\,(W)}{MMBtu}+\frac{0.04\,lb\,CO\,(Z)}{MMBtu}\right)\times\frac{ton}{2{,}000\,lb}\right]\leq\frac{30.2\,tons\,CO}{12\,mrcp}$$

Nitrogen Oxides (NO_x): Calculations for nitrogen oxides shall utilize CEMS data for emissions from the CTG and HRSG.

$$\frac{CTG\,\&\,HRSG\,CEMS\,Data\ \ NO_x\,tons}{12\,mrcp}+\left[\left(\frac{0.3\,lb\,NO_x\,(W)}{MMBtu}+\frac{0.2\,lb\,NO_x\,(Z)}{MMBtu}\right)\times\frac{ton}{2{,}000\,lb}\right]\leq\frac{185.0\,tons\,NO_x}{12\,mrcp}$$

where:

U = number of gallons of No. 2 fuel oil, having a maximum sulfur content of 0.05 percent by weight, fired in CTG per 12 month rolling period multiplied by 0.138 MMBtu per gallon

V = number of gallons of No. 2 fuel oil, having a maximum sulfur content of 0.05 percent by weight, fired in HRSG per 12 month rolling period multiplied by 0.138 MMBtu per gallon

W = number of gallons of No. 6 fuel oil, having a maximum sulfur content of 0.5 percent by weight, fired in BLR-3, BLR-4, and BLR-5 per 12 month rolling period multiplied by 0.142 MMBtu per gallon

X = number of cubic feet of natural gas fired in CTG per 12 month rolling period multiplied by 0.001MMBtu per cubic foot

Y = number of cubic feet of natural gas fired in HRSG per 12 month rolling period multiplied by 0.001MMBtu per cubic foot

Z = number of cubic feet of natural gas fired in BLR-3, BLR-4, and BLR-5 per 12 month rolling period multiplied by 0.001MMBtu per cubic foot

lb = pounds

PM = filterable particulate matter

SO_2 = sulfur dioxide

CO = carbon monoxide

NO_x = nitrogen oxides

MMBtu = 1,000,000 British thermal units

12 mrcp = twelve month rolling calendar period

CEMS = continuous emissions monitoring system

CTG and HRSG CEMS data will be used to calculate CO and NOx tons on a monthly basis by taking the ppm CEMS measurements, converting to pounds per million Btu for the hour and then multiplying by the Btu input for the corresponding hour and multiplying by the fraction of the hour that consisted of operating time. The pounds of CO and NOx on an hourly basis will each be summed on a monthly basis in order to calculate the rolling twelve month period CO and NOx in tons.

N. BLR-42-9:

1) As referenced in Approval MBR-10-COM-007, Table 6 take necessary precautions to insure that the subject boiler complies with MassDEP's noise guidelines (MassDEP Noise Policy 90-001) and that the facility does not cause a condition of air pollution (noise) as per 310 CMR 7.10. MassDEP Noise Policy 90-001 limits increases over the existing L_{90} ambient background level to 10 decibels, A-weighted (dBA). The L_{90} level represents the sound level exceeded 90 percent of the time and is used by MassDEP for the regulation of noise emissions. Additionally, "pure tone" sounds, defined as any octave band level which exceeds the levels in adjacent octave bands by 3 dBA or more, are also prohibited. MIT shall conduct a noise survey if and when requested by MassDEP to do so.

2) As referenced in Approval MBR-10-COM-007, Table 6 all periods of excess emissions from the subject boiler, even if attributable to an emergency/malfunction or start-up/shutdown shall be quantified and included by the Permittee in the determination of compliance with the emission limits as stated in said Approval. (**"Excess Emissions"** are defined as emissions, which are in excess of the short term emissions as stipulated above.). An exceedance of emission limits due to an emergency or malfunction shall not be deemed a federally permitted release as that term is used in 42 U.S.C. Section 9601(10).

3) As referenced in Approval MBR-10-COM-007, Table 6 natural gas shall be the primary fuel of use in BLR-42-9 and ULSD shall be its back-up fuel of use, when natural gas is unavailable, or during periodic ULSD fuel oil testing that shall not exceed 48 hours during any calendar year. Natural gas usage is restricted such that total hours of operation of BLR-42-9 shall not exceed 3600 hours of operations per any consecutive twelve month time period. Operation of BLR-42-9 utilizing ULSD fuel oil, having a maximum sulfur content of 0.0015% by weight, shall be

restricted to no more than 360 hours of operation on ULSD per any consecutive twelve month time period through December 2011, and to no more than 720 hours of operation on ULSD per any consecutive twelve month time period commencing January 2012.

4) As referenced in Approval MBR-10-COM-007, Table 6 a copy of Approval MBR-10-COM-007 shall be affixed at or adjacent to the subject equipment.

5) As referenced in Approval MBR-10-COM-007, Table 6 maintain an adequate supply of spare parts on-site to maintain the CEMS and COMS equipment serving BLR-42-9.

6) As referenced in Approval MBR-10-COM-007, Table 6 a quality assurance/quality control (QA/QC) program must be developed for the long-term operation of the CEMS serving BLR-42-9 and the COMS serving BLR-42-7 and BLR-42-9 which conforms to 40 CFR Part 60, Appendix F. The QA/QC program must be submitted in writing within 60 days of completion of the compliance testing for MassDEP review and approval. Any subsequent changes to the program shall be approved by MassDEP.

7) As referenced in Approval MBR-10-COM-007, Table 6 notify this Office, in writing, attention Permit Chief, Bureau of Waste Prevention, when the construction of the proposed new stack is complete and it is deemed ready for operation, within 14 days thereof.

8) As referenced in Approval MBR-10-COM-007 a continuous opacity monitoring system (COMS) shall continuously monitor opacity from BLR-42-9. BLR-42-9 shall be equipped with a continuous emissions monitoring system (CEMS) for NO_x, carbon monoxide (CO) and oxygen (O_2).

9) As referenced in Approval MBR-10-COM-007 a description of the proposed common exhaust stack serving existing BLR-42-7 and proposed BLR-42-9 is in the table below.

EMISSION UNITS CONNECTED TO STACK	STACK EXIT DIAMETER IN INCHES	STACK HEIGHT ABOVE ROOF IN FEET	STACK HEIGHT ABOVE GROUND IN FEET	RANGE OF GAS STACK EXIT VELOCITY IN FEET PER SECOND	STACK GAS EXIT TEMPERATURE IN DEGREES FAHRENHEIT (^oF)
BLR-42-7, BLR-42-9	66	90	115	7 to 51	395[1]

Please Note:
1: Maximum temperature with only BLR-42-7 operating will be 544^{o}F. Combined exhaust from both BLR-42-9 and BLR-42-7 operating will be 395 ^{o}F.

O. BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7, FOB-51:

1) Units are subject to and shall comply with all applicable requirements, emissions limitations, and timelines contained in National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers at 40 CFR Part 63, Subpart JJJJJJ, "National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers.

2) Units are subject to the requirements of 40 CFR 63.1-15, Subpart A, "General Provisions" [as indicated in Table "8" to Subpart JJJJJJ of 40 CFR 63]. Compliance with all applicable provisions therein is required.

P. DG-E25, DG-E14, DG-E62, DG-NW35, DG-W98, DG-76, DG-W1, DG-W70, DFP-N57, and DFP-E38:

1) Units are subject to and shall comply with federal regulations at 40 CFR Part 63 Subpart ZZZZ, "Reciprocating Internal Combustion Engines." Units must meet the requirements of 40 CFR Part 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60, Subpart IIII, "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines."

2) As referenced in 40 CFR 60.4211(a) operate and maintain each stationary compression ignition internal combustion engine and control device according to the manufacturer's emission-related written instructions; and change only those emission-related settings that are permitted by the manufacturer; and comply with the requirements of 40 CFR Parts 89, 94 and/or 1068, as they apply to you.

3) In accordance with 40 CFR 60.4211(c), if you must comply with the emission standards specified in §60.4205(b), you must comply by purchasing an engine certified to the applicable emission standards in §60.4205 for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications.

Q. BLR-42-3, BLR-42-4, BLR-42-5, BLR-42-7:

1) As required in § 63.11201 and Table 2 to Subpart JJJJJJ of 40 CFR Part 63, conduct the one time energy assessment as specified in Table 2 to Subpart JJJJJJ.

6. ALTERNATIVE OPERATING SCENARIOS

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

7. EMISSIONS TRADING

A. INTRA-FACILITY EMISSION TRADING

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

B. INTER-FACILITY EMISSION TRADING

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

8. COMPLIANCE SCHEDULE

The Permittee has indicated that the facility is in compliance and shall remain in compliance with the applicable requirements contained in Sections 4 and 5. In addition, the Permittee shall comply with any applicable requirements that become effective during the Permit term.

GENERAL CONDITIONS FOR OPERATING PERMIT

9. FEES

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

10. COMPLIANCE CERTIFICATION

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

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

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

A. Annual Compliance Report and Certification

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

The compliance certification and report shall describe:

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

B. Semi-Annual Monitoring Summary Report and Certification

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

The compliance certification and report shall describe:

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

11. NONCOMPLIANCE

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

12. PERMIT SHIELD

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

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

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

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

1) the liability of the source for any violation of applicable requirements prior to or at the time of Permit issuance.

2) the applicable requirements of the Acid Rain Program, consistent with 42 U.S.C. §7401, §408(a); or

3) the ability of EPA to obtain information under 42 U.S.C. §7401, §114 or §303 of the Act.

13. ENFORCEMENT

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

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

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

14. PERMIT TERM

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

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

15. PERMIT RENEWAL

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

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

16. REOPENING FOR CAUSE

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

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

17. DUTY TO PROVIDE INFORMATION

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

18. DUTY TO SUPPLEMENT

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

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

19. TRANSFER OF OWNERSHIP OR OPERATION

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

20. PROPERTY RIGHTS

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

21. INSPECTION AND ENTRY

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

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

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

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

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

22. PERMIT AVAILABILITY

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

23. SEVERABILITY CLAUSE

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

24. EMERGENCY CONDITIONS

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

[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.

requirements in this Permit; and

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

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

25. PERMIT DEVIATION

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

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

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

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

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

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

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

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

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

26. OPERATIONAL FLEXIBILITY

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

27. MODIFICATIONS

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

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

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

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

28. OZONE DEPLETING SUBSTANCES

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

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

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

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

3) The form of the label bearing the required warning statement must comply with the requirements of 40 CFR 82.110.

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

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

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

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

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

4) Persons disposing of small appliances, MVACs and MVAC-like appliances (as defined in 40 CFR 82.152) must comply with recordkeeping requirements of 40 CFR 82.166.

5) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair equipment requirements of 40 CFR 82.156.

6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

C. If the Permittee manufactures, transforms, imports or exports a class I or class II substance, the Permittee is subject to all the requirements as specified in 40 CFR 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 ACCIDENTAL RELEASES

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

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

APPEAL CONDITIONS FOR OPERATING PERMIT

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

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

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

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

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

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

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

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