



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
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FINAL AIR QUALITY OPERATING PERMIT

Issued by the Massachusetts Department of Environmental Protection ("The 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"]:

Republic Services, Inc.
14 Belcher Street
Plainville, MA 02762

FACILITY LOCATION:

Plainville Sanitary Landfill
14 Belcher Street
Plainville, MA 02762

NATURE OF BUSINESS:

Municipal Solid Waste Landfill

RESPONSIBLE OFFICIAL:

Name: Mr. Chris October
Title: District Environmental Manager

INFORMATION RELIED UPON:

Application No. 4V08057
Transmittal No. X224246

FACILITY IDENTIFYING NUMBERS:

AQ ID: 120 0354
FMF FAC NO.: 31960
FMF RO NO.: 194332

STANDARD INDUSTRIAL CODE (SIC): 4953

NORTH AMERICAN INDUSTRIAL CLASSIFICATION SYSTEM (NAICS): 562212

FACILITY CONTACT PERSON:

Name: Mr. Chris October
Title: District Environmental Manager
Phone: (508) 858-8314
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This operating permit shall expire on January 22, 2015

For the Department of Environmental Protection, Bureau of Waste Prevention

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

Permit Chief, Bureau of Waste Prevention

January 22, 2010
Date

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD# 866-539-7622 or 617-574-6868.

DEP on the World Wide Web: <http://www.mass.gov/dep>

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SPECIAL CONDITIONS FOR OPERATING PERMIT

1. PERMITTED ACTIVITIES

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

DESCRIPTION OF FACILITY AND OPERATIONS

The landfill began accepting commercial and municipal solid waste (MSW) in 1975 and was closed to disposal in April 1998. The landfill's footprint is approximately 88.5 acres and is capped with a geomembrane (82.5 acres) and soil cap (6 acres). The maximum design capacity for this site is 13,005,435 Mg. Decomposing waste encapsulated within the landfill produces landfill gas (LFG) that is primarily composed of methane and carbon dioxide with other trace gases.

An active gas collection and control system (GCCS) has been installed over the landfilled portion of the site. Once collected, the LFG is supplied as fuel to an adjacent electric generating facility. The LFG is de-watered, compressed and filtered prior to combustion in the reciprocating internal combustion engines. The adjacent electric generating facility and treatment system is owned and operated by a separate entity. During periods when the LFG is not used for electric generation, it is directed to one or more of three Enclosed Flares for disposal by combustion. The LFG is not treated by the treatment system prior to combustion in the enclosed flares. The Enclosed Flares were permitted under 310 CMR 7.02, Plan Approval No. 4I99013, and are required to reduce Non-Methane Organic Compounds (NMOC) by 98% by weight, or reduce the stack NMOC concentration to less than 20 ppm as hexane by volume, dry basis at 3% O₂. The Plainville Sanitary Landfill is subject to Federal Clean Air Act (CAA) requirements at 40 CFR Part 60, Subpart WWW and 40 CFR Part 63, Subpart AAAA.. In accordance with § 60.752(b), the Plainville Sanitary Landfill is subject to Part 70 permitting requirements.

The Landfill GCCS is not subject to 40 CFR Part 64 Compliance Assurance Monitoring as it is subject to an NSPS and NESHAP (§§ 111 and 112 of the CAA) and therefore exempt in accordance with 40 CFR 64.2(b)(1)(i).

Operating Permit Section 4, Tables 3, 4, 5, and 6 list the facility emission limits along with monitoring, testing, record-keeping and reporting requirements. Operating Permit Section 4, Table 7 lists regulations that are not applicable to the facility at this time.

2. EMISSION UNIT IDENTIFICATION

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

Table 1			
Emission Unit (EU)	Description of Emission Unit	EU Design Capacity	Pollution Control Device (PCD)
EU-1	Municipal Solid Waste Landfill	13,005,435 Mg	<p>PCD-1: McGill EGF-2500 Max. Heat Input: 75.9 MMBtu/hr</p> <p>PCD-2: Zink EGF-2000 Max Heat Input: 60 MMBtu/hr</p> <p>PCD-3: LFG Specialties EF95112 Max Heat Input: 90 MMBtu/hr</p> <p>PCD-4: LFG treatment system</p>

3. IDENTIFICATION OF EXEMPT ACTIVITIES

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

Table 2	
Description of Current Exempt Activities	Reason
A list of 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 shall be kept on-site at the facility and a copy shall be submitted to the MassDEP's Southeast Regional Office. Emissions from these activities shall be reported on the annual emissions statement pursuant to 310 CMR 7.12.	310 CMR 7.00, Appendix C (5)(h)

4. APPLICABLE REQUIREMENTS

A. EMISSION LIMITS AND RESTRICTIONS

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

Table 3					
Emission Unit (EU)	PCD No.	Fuel/ Raw material	Pollutant	Emission Limit/Standard	Applicable Regulations and/or Approval No.
EU-1	N/A	LFG	NMOC	Install a collection and control system that captures the gas generated within the landfill. The system shall be designed and operated to: 1) reduce NMOC by 98 weight-percent, or, reduce the outlet NMOC concentration to less than 20 ppm by volume, dry basis as hexane at 3 % O ₂ ; or 2) route the collected gas to a treatment system that processes the collected gas for subsequent sale or use.	40 CFR 60 Subpart WWW §60.752(b)(2) §60.753(a)-(g)
	N/A	LFG	HAP	Comply with the requirements of 40 CFR 60 Subpart WWW in addition to the requirements in §§63.1960 through 63.1985 and with the general provisions of this part specified in Table 1 of Subpart AAAA of Part 63	40 CFR 63 Subpart AAAA §63.1955(a)(1) §63.1955(b)
	PCD-1	LFG	NO _x	0.055 lbs/MMBtu 1.55 tpm 18.28 tpy ^(Note 1)	4I99013
			CO	0.273 lbs/MMBtu 7.71 tpm 90.76 tpy ^(Note 1)	
			NMOC	0.069 lbs/MMBtu 1.95 tpm 22.85 tpy ^(Note 1)	
			PM	0.046 lbs/MMBtu 1.30 tpm 15.29 tpy ^(Note 1)	
			SO ₂	0.010 lbs/MMBtu 0.28 tpm 3.32 tpy ^(Note 1)	
			VOC	0.055 lbs/MMBtu 1.55 tpm 18.28 tpy ^(Note 1)	
			Visible emissions	Stack emissions shall not exceed 0 % opacity (no visible emissions), with the exception of up to five (5) minutes during startup. During startup visible emissions shall comply with the provisions of 310 CMR 7.06.	
PCD-2	LFG	NO _x	0.055 lbs/MMBtu 1.23 tpm 14.45 tpy ^(Note 1)	4I99013	

Table 3					
Emission Unit (EU)	PCD No.	Fuel/ Raw material	Pollutant	Emission Limit/Standard	Applicable Regulations and/or Approval No.
EU-1	PCD-2	LFG	CO	0.273 lbs/MMBtu 6.09 tpm 71.74 tpy ^(Note 1)	4I99013
			NMOC	0.069 lbs/MMBtu 1.54 tpm 18.06 tpy ^(Note 1)	
			PM	0.046 lbs/MMBtu 1.03 tpm 12.09 tpy ^(Note 1)	
			SO ₂	0.010 lbs/MMBtu 0.22 tpm 2.63 tpy ^(Note 1)	
			VOC	0.055 lbs/MMBtu 1.23 tpm 14.45 tpy ^(Note 1)	
			Visible emissions	Stack emissions shall not exceed 0 % opacity (no visible emissions), with the exception of up to five (5) minutes during startup. During startup visible emissions shall comply with the provisions of 310 CMR 7.06.	
	PCD-3	LFG	NO _x	0.055 lbs/MMBtu 1.84 tpm 20.03 tpy ^(Note 1)	4I99013
			CO	0.273 lbs/MMBtu 9.14 tpm 99.40 tpy ^(Note 1)	
			NMOC	0.069 lbs/MMBtu 2.31 tpm 25.12 tpy ^(Note 1)	
			PM	0.046 lbs/MMBtu 1.54 tpm 16.75 tpy ^(Note 1)	
			SO ₂	0.010 lbs/MMBtu 0.33 tpm 3.64 tpy ^(Note 1)	
			VOC	0.055 lbs/MMBtu 1.84 tpm 20.03 tpy ^(Note 1)	
			Visible emissions	Stack emissions shall not exceed 0 % opacity (no visible emissions), with the exception of up to five (5) minutes during startup. During startup visible emissions shall comply with the provisions of 310 CMR 7.06.	
PCD-1 PCD-2 PCD-3	LFG	NO _x	0.055 lbs/MMBtu 4.62 tpm 20.0 tpy ^(Note 1)	4I99013	

Table 3					
Emission Unit (EU)	PCD No.	Fuel/ Raw material	Pollutant	Emission Limit/Standard	Applicable Regulations and/or Approval No.
EU-1	PCD-1 PCD-2 PCD-3	LFG	CO	0.273 lbs/MMBtu 22.94 tpm 99.4 tpy ^(Note 1)	4I99013
			NMOC	0.069 lbs/MMBtu 5.80 tpm 25.1 tpy ^(Note 1)	
			PM	0.046 lbs/MMBtu 3.87 tpm 16.75 tpy ^(Note 1)	
			SO ₂	0.010 lbs/MMBtu 0.84 tpm 3.6 tpy ^(Note 1)	
			VOC	0.055 lbs/MMBtu 4.62 tpm 20.0 tpy ^(Note 1)	
	PCD-4	LFG	NMOC and HAP	Filter (to 10 microns or less), de-water (reduce the dew point, of the LFG, by at least 20° F) and compress the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of §60.752(b)(2)(iii)(A) or (B).	40 CFR Part 60 Subpart WWW §60.752(b)(2)(iii)(C) and 40 CFR Part 63 Subpart AAAAA §§63.1955(a)(1), 63.1955(b) and 63.1955(c)

Table 3 Notes:

1. tpy - tons per year - is based on a twelve month rolling average.

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), as well as applicable requirements contained in Table 3:

Table 4	
Emission Unit (EU)	Monitoring /Testing Requirements
EU-1	<p>1) In accordance with 40 CFR 60 Subpart WWW and 40 CFR 63 Subpart AAAA, the Permittee shall comply with all applicable monitoring and testing requirements of §§60.754, 60.755 and 60.756 to include but not limited to:</p> <ul style="list-style-type: none"> a) In accordance with §60.756(a), install a sampling port and a thermometer, or other temperature measuring device, or access port for temperature measurements at each wellhead, and; <ul style="list-style-type: none"> i) Measure the gauge pressure in the gas collection header on a monthly basis as provided in §60.755(a)(3). ii) Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as provided in §60.755(a)(5). iii) Monitor temperature of the landfill on a monthly basis as provided in §60.755(a)(5). b) In accordance with §60.756(b), calibrate, maintain, and operate according to the manufacturer’s specifications, the following equipment: <ul style="list-style-type: none"> i) For PCD-1, PCD-2 and PCD-3, a temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of ±1 percent of the temperature being measured expressed in degrees Celsius or ±0.5 degrees Celsius, whichever is greater. ii) A device that records flow to the control device at least every 15 minutes as required by §60.756(b)(2)(i). c) In accordance with §60.756(d) and 4V08057, monitor PCD-4 parameters as listed below that indicate proper performance, determined by the manufacturer’s recommendations or engineering analysis, to ensure proper operation of the treatment system and treatment of the LFG. <ul style="list-style-type: none"> i) Pressure drop across the filtration system with a continuous recorder that records the parameter value at least every 15 minutes for incorporation into computed hourly and 24-hour block averages. ii) Temperature of the LFG at the inlet and outlet of the de-watering system with a continuous recorder that records the parameter value at least every 15 minutes for incorporation into computed hourly and 24-hour block averages. iii) LFG flow to or bypass of the treatment system at least every 15 minutes. d) In accordance with §60.756(f), Monitor surface concentrations of methane along the entire perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals (or site specific established spacing) for each collection area on a quarterly basis in order to comply with §60.755(c) using a portable analyzer that meets the specifications of §60.755(d) as provided in §60.756(f).

Table 4	
Emission Unit (EU)	Monitoring /Testing Requirements
EU-1	2) In accordance with Plan Approval No. 4I99013, the facility shall be constructed to accommodate the emission testing requirements contained in 40 CFR 60 Subpart WWW and 40 CFR 60 Appendix A.
	3) In accordance with Plan Approval No. 4I99013, all compliance testing shall be conducted in accordance with the test methods and procedures contained in 40 CFR 60 Subpart WWW 60.754 and 40 CFR 60 Appendix A.
	4) In accordance with Plan Approval No. 4I99013, a LFG flow recorder shall be maintained so that an on-site record of the volume of LFG fired in each air pollution control unit will be available by date and time period.
	5) In accordance with Plan Approval No. 4I99013, a sample of LFG as fired in each enclosed flare shall be analyzed to define Btu/scf at least once per month.
	6) In accordance with Plan Approval No. 4I99013, each enclosed flare combustion chamber temperature shall be monitored and maintained within the temperature range of 1400-2000 °F as monitored at the exit of the combustion chamber thermocouple located at 30.0 feet from the burner outlet (for PCD-1 & PCD-2) and 35.0 feet from the burner outlet (PCD-3).
	7) In accordance with Plan Approval No. 4I99013, emission testing of PCD-1, PCD-2 & PCD-3 for the purpose of demonstrating compliance with opacity, NMOC, VOC, CO, and NO _x emission limitation contained herein in Table 3 shall be conducted as requested by the MassDEP.
	8) In accordance with Plan Approval No. 4I99013, the ability of the facility to maintain emission rates at or below the levels stated in this Operating Permit shall be demonstrated to the MassDEP in the future if deemed necessary.
	9) In accordance with 310 CMR 7.00 <i>Appendix C (9)(b)</i> , the Permittee shall; <ul style="list-style-type: none"> a) Comply with all emissions monitoring and analysis procedures or test methods required under the applicable requirements, including those promulgated pursuant to 42 U.S.C. 7401, §§ 504(a) and 504(b) or 114(a)(3); b) If the applicable requirement does not require periodic testing or instrumental or non-instrumental monitoring (which may consist of record keeping designed to serve as monitoring), then the Permittee shall perform periodic monitoring sufficient to yield reliable data from the relevant time period that is representative of the source's compliance with the permit. Such monitoring requirements shall assure the use of terms, test methods, units, averaging periods, and other statistical conventions consistent with the applicable requirement. Record keeping provisions may be sufficient to meet the requirements; and c) The Permittee shall comply with requirements concerning the use, maintenance and installation of monitoring equipment or methods as the MassDEP deems appropriate.

Table 4	
Emission Unit (EU)	Monitoring /Testing Requirements
EU-1	<p>10) In accordance with 310 CMR 7.13(1), any person owning, leasing, operating, or controlling a facility for which the MassDEP has determined that stack testing is necessary to ascertain compliance with the MassDEP's regulations shall cause such stack testing:</p> <ul style="list-style-type: none"> a) to be conducted by a person knowledgeable in stack testing; b) to be conducted in accordance with procedures contained in a test protocol which has been approved by the MassDEP; c) to be in the presence of a representative of the MassDEP when such is deemed necessary, and; d) to be summarized and submitted to the MassDEP with analyses and report within such time as agreed to in the approved test protocol.
	<p>11) In accordance with 310 CMR 7.13(2), the Permittee shall cooperate with the MassDEP to provide:</p> <ul style="list-style-type: none"> a) entrance to a location suitable for stack sampling; b) sampling ports at locations where representative samples may be obtained; c) staging and ladders to support personnel and equipment for performing tests; d) a suitable power source at the sampling location for the operation of sampling equipment, and; e) such other reasonable facilities as may be requested by the MassDEP.
	<p>12) In accordance with 310 CMR 7.12(3), the Permittee shall monitor operations such that information may be compiled for the annual preparation of a Source Registration/Emission Statement form as required by 310 CMR 7.12(1)(a) and 310 CMR 7.12(2)(a).</p>
	<p>13) See Section 6. <u>Alternative Operating Scenario</u> for scenario specific monitoring/testing requirements.</p>

Table 5	
Emission Unit (EU)	Record Keeping Requirements
EU-1	<p>1) In accordance with 40 CFR 60 Subpart WWW and 40 CFR 63 Subpart AAAA, The Permittee shall comply with all applicable record keeping requirements of §§60.758 and §63.1980, to include but not limited to:</p> <p>a) Keep for at least 5 years up-to-date, readily accessible, on-site records of the design capacity report that triggered §60.752(b), the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.</p> <p>b) Keep up-to-date, readily accessible records for the life of the control equipment of specified data (see a. below) as measured during the initial performance test or compliance determination. Records of subsequent tests or monitoring shall be maintained for a minimum of 5 years. Records of control equipment vendor specifications shall be maintained until removal.</p> <p>c) For PCD-1, PCD-2 and PCD-3, record the average combustion temperature measured at least every 15 minutes and averaged over the same time period of the performance test. In addition, record the percent reduction of NMOC achieved by the control device as specified in §60.752(b)(2)(iii)(B).</p> <p>d) For PCD-4:</p> <ul style="list-style-type: none"> i) records of the average pressure drop across the filtration system as measured at least every 15 minutes and the computed 24-hour block average. ii) records of the de-watering system inlet and outlet temperature as measured at least every 15 minutes and the computed 24-hour block average. iii) readily accessible continuous records of the indication of flow to the control device or the indication of bypass flow. <p>e) Keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in §60.756 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded.</p> <p>f) Keep for the life of the collection system an up-to-date, readily accessible plot map showing each existing and planned collector in the system and providing a unique identification location label for each collector.</p> <p>g) As required by §63.1980(b), keep records and reports as specified in the general provisions of 40 CFR 60 and 40 CFR 63 including items such as SSM plans and SSM plan reports.</p>
	2) In accordance with Plan Approval No. 4I99013, records required by 40 CFR 60 Subpart A shall be maintained on-site.
	3) In accordance with Plan Approval No. 4I99013, records of the volume of LFG (scf) fired in each enclosed flare for each month and for each twelve month rolling period shall be maintained on-site.
	4) In accordance with Plan Approval No. 4I99013, records of the heat input of LFG (Btu) fired in each enclosed flare and all flares in total, for each month and for each twelve month rolling period shall be maintained on-site.
	5) In accordance with Plan Approval No. 4I99013, a copy of the Standard Operating and Maintenance Procedures for all subject equipment shall be maintained on-site.

Table 5	
Emission Unit (EU)	Record Keeping Requirements
EU-1	6) In accordance with Plan Approval No. 4I99013, NO _x , CO, NMOC, PM, VOC and SO ₂ , monthly and twelve month rolling period emission rate records for the each flare and all flares in total shall be maintained on-site.
	7) In accordance with Plan Approval No. 4I99013, an operation log, or other record keeping system, shall be maintained on-site at a level of detail sufficient to document that the operation and emission limits contained in Table 3 and in Section 5, <u>Special Terms and Conditions</u> are not exceeded.
	8) In accordance with Plan Approval No. 4I99013, all operating and monitoring records, including emission test reports, shall be maintained for the life of the facility; the five most recent years of data/records shall be maintained on-site.
	9) The Permittee shall maintain records for the annual preparation of a Source Registration/Emission Statement form as required by 310 CMR 7.12(1)(a).
	10) In accordance with 310 CMR 7.12(3)(b), the Permittee shall keep copies of Source Registration/Emission Statements forms and other information supplied to the MassDEP to comply with 310 CMR 7.12 for five years from the date of submittal.
	11) In accordance with Plan Approval No. 4I99013, a record keeping system shall be established and maintained on-site. All records shall be maintained up-to-date such that the year-to-date information is readily available for MassDEP examination. Record keeping shall, at a minimum, include: <ul style="list-style-type: none"> a) A record of routine maintenance activities performed on emission unit control and monitoring equipment including, at a minimum, the type or a description of the maintenance performed and the date and time the work was completed; and b) A record of all malfunctions on emissions unit control and monitoring equipment shall include, at a minimum: the date and time the malfunctions occurred; a description of the malfunctions and the corrective action taken; the date and time corrective actions were initiated; and the date and time corrective actions were completed and the emission unit returned to compliance. All records shall be kept on-site for five (5) years and shall be made available to MassDEP personnel upon request.
	12) Maintain records of any emissions compliance testing done in accordance with 310 CMR 7.13 and 40 CFR 60, Appendix A, if such testing is requested by the MassDEP.
	13) See Section 6. <u>Alternative Operating Scenario</u> for scenario specific record keeping requirements.

Table 6	
Emission Unit (EU)	Reporting Requirements
EU-1	<p>1) In accordance with 40 CFR 60 Subpart WWW and 40 CFR 63 Subpart AAAAA, the Permittee shall comply with all applicable reporting requirements of §60.757 and §63.1980, to include but not limited to:</p> <p>a) An amended design capacity report shall be submitted to the Administrator providing notification of an increase in the design capacity of the landfill, within 90 days of an increase in the maximum design capacity of the landfill above 2.5 million megagrams and 2.5 million cubic meters. This increase in design capacity may result from an increase in the permitted volume of the landfill or an increase in the density as documented in the annual recalculation required in §60.758(f).</p> <p>b) Submit an NMOC emission rate report to the Administrator annually. This report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in §60.754(a) or (b), as applicable.</p> <p>c) The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.</p> <p>d) Submit a closure report to the Administrator within 30 days of waste acceptance cessation. If a closure report has been submitted to the Administrator, no additional wastes may be placed into the landfill without filing a notification of modification as described under §60.7(a)(4).</p> <p>e) Submit to the Administrator semi-annual reports of the recorded information listed below in accordance with 40 CFR 60.757(f) and 40 CFR 63.1980(a):</p> <ul style="list-style-type: none"> (i) Value and length of time for exceedance of applicable parameters monitored under §60.756(a) and (b). (ii) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under §60.756. (iii) Description and duration of all periods when the control device was not operating for a period exceeding 1 hour and length of time the control device was not operating. (iv) All periods when the collection system was not operating in excess of 5 days. (v) The location of each exceedance of the 500 ppm methane concentration. (vi) The date of installation and the location of each well or collection system expansion added.
	<p>2) In accordance with Plan Approval No. 4I99013, a copy of notifications and reports required pursuant to 40 CFR 60 Subpart A shall be provided to the MassDEP within the time frame described therein.</p>
	<p>3) In accordance with 310 CMR 7.12(1)(a), the Permittee shall submit annually information pertinent to the nature and amounts of emissions on forms provided by the MassDEP, and in addition, ensure that the facility is available for inspection by MassDEP and / or U.S. EPA personnel at any reasonable time.</p>
	<p>4) In accordance with 310 CMR 7.00: <i>Appendix C (10)(c)</i>, the Permittee shall report a summary of all monitoring data and related supporting information to the MassDEP at least every six months as specified in Section 10 of this document.</p>

Table 6	
Emission Unit (EU)	Reporting Requirements
EU-1	<p>5) In accordance with 310 CMR 7.00: <i>Appendix C (10)(f)</i>, the Permittee shall promptly report to the MassDEP all instances of deviations from permit requirements. This report shall include the deviation itself, including those attributable to upset conditions as defined in the permit, the probable cause of the deviation, and any corrective actions or preventative measures taken.</p>
	<p>6) In accordance with Plan Approval No. 4I99013, the MassDEP’s Permit Chief for the Bureau of Waste Prevention at this office must be notified by telephone, or fax within 24 hours, and with written notification within 10 days, after the occurrence of any upsets or malfunctions to the facility equipment, air pollution control equipment, or monitoring equipment which result in an excess emission to the air and /or a condition of air pollution.</p>
	<p>7) See Section 6. <u>Alternative Operating Scenario</u> for scenario specific reporting requirements.</p>
	<p>8) All MassDEP notifications and reporting⁽¹⁾ required by this Operating Permit shall be made to the attention of:</p> <p style="text-align: center;"> Department of Environmental Protection Bureau of Waste Prevention Southeast Regional Office 20 Riverside Drive Lakeville, MA 02347 ATTN: Chief, Permit Section Telephone: (508) 946-2770 Fax: (508) 947-6557 </p> <p>⁽¹⁾ The annual Source Registration/Emission Statement shall be submitted to the DEP Office specified in the instructions.</p>
	<p>9) In accordance with 310 CMR 7.00: <i>Appendix C (10)(h)</i>, all required reports must be certified by a responsible official consistent with 310 CMR 7.00: <i>Appendix C (5)(c)</i></p>

C. GENERAL APPLICABLE REQUIREMENTS

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

D. REQUIREMENTS NOT CURRENTLY APPLICABLE

The Permittee is currently not subject to the following requirements:

Table 7	
Regulation	Description
310 CMR 7.16	Reduction of Single Occupant Commuter Vehicle Use
42 USC 7401, §112(r)(7)	Accidental Release Prevention Requirements: Risk Management under the Clean Air Act §112(r)
42 USC 7401, §601	Stratospheric Ozone

5. SPECIAL TERMS AND CONDITIONS

The Permittee is subject to the following special provisions that are not contained in Tables 3, 4, 5 and 6.

Table 8																																																													
Emission Unit (EU)	Special Terms and Conditions																																																												
EU-1	<p>A. In accordance with 40 CFR 63 Subpart AAAAA §63.1960, the Permittee shall develop and implement a written Start-up, Shutdown and Malfunction (SSM) plan according to the provisions in 40 CFR 63.6(e)(3). A copy of the SSM plan must be maintained on site.</p> <hr/> <p>B. Plainville Sanitary Landfill is subject to the requirements of 40 CFR 63.1-15, Subpart A “General Provisions”[as indicated in Table 1 of Subpart AAAAA of 40 CFR 63]. Compliance with all applicable provisions therein is required.</p> <hr/> <p>C. Enclosed Flare construction and design shall be consistent with Attachment No.1, Equipment and Design Schedule, in Plan Approval No. 4I99013</p> <p style="text-align: center;"><u>PCD-1: Enclosed Flare</u></p> <table style="width: 100%; border: none;"> <tr><td style="width: 60%;">Manufacturer</td><td>McGill</td></tr> <tr><td>Model No.</td><td>EGF-2500</td></tr> <tr><td>Max. Heat Input</td><td>75.9 MMBtu/hr</td></tr> <tr><td>Fuel</td><td>Landfill Gas</td></tr> <tr><td>Effective Chamber Height</td><td>30.0 feet</td></tr> <tr><td colspan="2" style="padding-left: 20px;">(distance from burner outlet to thermocouple)</td></tr> <tr><td>Effective Chamber Volume</td><td>1,909 cubic feet</td></tr> <tr><td>Stack Material</td><td>Steel</td></tr> <tr><td>Stack Height</td><td>40 feet above ground</td></tr> <tr><td>Stack Exit Diameter</td><td>108 inches</td></tr> </table> <p style="text-align: center;"><u>PCD-2: Enclosed Flare</u></p> <table style="width: 100%; border: none;"> <tr><td style="width: 60%;">Manufacturer</td><td>Zink</td></tr> <tr><td>Model No.</td><td>EGF-2000</td></tr> <tr><td>Max. Heat Input</td><td>60.0 MMBtu/hr</td></tr> <tr><td>Fuel</td><td>Landfill Gas</td></tr> <tr><td>Effective Chamber Height</td><td>30.0 feet</td></tr> <tr><td colspan="2" style="padding-left: 20px;">(distance from burner outlet to thermocouple)</td></tr> <tr><td>Effective Chamber Volume</td><td>2,203 cubic feet</td></tr> <tr><td>Stack Material</td><td>Steel</td></tr> <tr><td>Stack Height</td><td>40 feet above ground</td></tr> <tr><td>Stack Exit Diameter</td><td>96 inches</td></tr> </table> <p style="text-align: center;"><u>PCD-3: Enclosed Flare</u></p> <table style="width: 100%; border: none;"> <tr><td style="width: 60%;">Manufacturer</td><td>LFG Specialties</td></tr> <tr><td>Model No.</td><td>EF945112</td></tr> <tr><td>Max. Heat Input</td><td>90.0 MMBtu/hr</td></tr> <tr><td>Fuel</td><td>Landfill Gas</td></tr> <tr><td>Effective Chamber Height</td><td>35.0 feet</td></tr> <tr><td colspan="2" style="padding-left: 20px;">(distance from burner outlet to thermocouple)</td></tr> <tr><td>Effective Chamber Volume</td><td>2,227 cubic feet</td></tr> <tr><td>Stack Material</td><td>Steel</td></tr> <tr><td>Stack Height</td><td>45 feet above ground</td></tr> <tr><td>Stack Exit Diameter</td><td>108 inches</td></tr> </table>	Manufacturer	McGill	Model No.	EGF-2500	Max. Heat Input	75.9 MMBtu/hr	Fuel	Landfill Gas	Effective Chamber Height	30.0 feet	(distance from burner outlet to thermocouple)		Effective Chamber Volume	1,909 cubic feet	Stack Material	Steel	Stack Height	40 feet above ground	Stack Exit Diameter	108 inches	Manufacturer	Zink	Model No.	EGF-2000	Max. Heat Input	60.0 MMBtu/hr	Fuel	Landfill Gas	Effective Chamber Height	30.0 feet	(distance from burner outlet to thermocouple)		Effective Chamber Volume	2,203 cubic feet	Stack Material	Steel	Stack Height	40 feet above ground	Stack Exit Diameter	96 inches	Manufacturer	LFG Specialties	Model No.	EF945112	Max. Heat Input	90.0 MMBtu/hr	Fuel	Landfill Gas	Effective Chamber Height	35.0 feet	(distance from burner outlet to thermocouple)		Effective Chamber Volume	2,227 cubic feet	Stack Material	Steel	Stack Height	45 feet above ground	Stack Exit Diameter	108 inches
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Table 8	
Emission Unit (EU)	Special Terms and Conditions
EU-1	<p>D. In accordance with Plan Approval No. 4I99013:</p> <p>1) PCD-1:</p> <ul style="list-style-type: none"> a) The maximum heat input of LFG to the enclosed flare shall not exceed 56,470 MMBtu per month. b) The maximum heat input of LFG to the enclosed flare shall not exceed 664,884 MMBtu in any consecutive twelve-month period. c) The enclosed flare operating temperature range shall be maintained at 1400-2000 °F as monitored at the exit of the combustion chamber thermocouple located at 30.0 feet from the burner outlet. <p>2) PCD-2:</p> <ul style="list-style-type: none"> a) The maximum heat input of LFG to the enclosed flare shall not exceed 44,640 MMBtu per month. b) The maximum heat input of LFG to the enclosed flare shall not exceed 525,600 MMBtu in any consecutive twelve-month period. c) The enclosed flare operating temperature range shall be maintained at 1400-2000 °F as monitored at the exit of the combustion chamber thermocouple located at 30.0 feet from the burner outlet. <p>3) PCD-3:</p> <ul style="list-style-type: none"> a) The maximum heat input of LFG to the enclosed flare shall not exceed 66,960 MMBtu per month. b) The maximum heat input of LFG to the enclosed flare shall not exceed 728,205 MMBtu in any consecutive twelve-month period. c) The enclosed flare operating temperature range shall be maintained at 1400-2000 °F as monitored at the exit of the combustion chamber thermocouple located at 35.0 feet from the burner outlet. <p>4) PCD-1, PCD-2, PCD-3(combined total):</p> <ul style="list-style-type: none"> a) The maximum heat input of LFG shall not exceed 168,070 MMBtu per month. b) The maximum heat input of LFG shall not exceed 728,205 MMBtu in any consecutive twelve-month period. c) Each enclosed flare shall be operated at all times when LFG is routed to the enclosed flare. d) Each enclosed flare shall reduce NMOC emissions by 98 percent by weight, or reduce the stack NMOC concentration to less than 20 ppm as hexane by volume, dry basis at 3 percent oxygen.
	E. In accordance with Plan Approval No. 4I99013, if any nuisance condition(s) should be generated by the operation of this facility, immediate appropriate steps shall be taken to abate the nuisance condition(s). (State-only requirement)
	F. In accordance with Plan Approval No. 4I99013, sound impacts shall not exceed 10 dB(A) above background and shall not cause a puretone condition as defined in the MassDEP's DAQC Policy No. 90-001. (State-only requirement)
	G. In accordance with Plan Approval No. 4I99013, MassDEP personnel shall be provided immediate access to the landfill site, buildings, and all pertinent records for the purpose of making inspections and surveys, collecting samples, obtaining data and reviewing records.

6. ALTERNATIVE OPERATING SCENARIOS

While operating under an Alternative Operating Scenario (AOS), the Permittee shall comply with all applicable requirements specified in this permit, including but not limited to, state and federal operational and emission limits specified in table 3, monitoring and testing requirements specified in table 4, record keeping requirements specified in table 5, reporting requirements specified in table 6 and special terms and conditions contained in Section 5. The Permittee shall record changes from one scenario to another contemporaneously with the change, as provided in 310 CMR 7.00: Appendix C(10)(g).

In accordance with 40 CFR 60.753, the EPA “*Approval of Alternative Operating Scenarios for Certain Landfill Gas Collection Wells at Plainville and East Bridgewater Landfills in Massachusetts*” dated June 19, 2006, and the EPA “*Approval of Alternative Operating Scenarios for Certain Landfill Gas Collection Wells at Plainville Landfill in Massachusetts*” dated April 20, 2007, the Permittee may de-commission the following wells which habitually have had oxygen concentrations above 5%: 1001, 2008, 3002, 3006, 4008, 6006, 7020 and 7032. If, in the future, the areas of the landfill that were controlled by these wells require additional landfill gas collection and control, Plainville Landfill shall either re-commission the relevant well(s), and/or install new landfill gas collection and control wells/trenches.

In addition, the EPA conditionally approved an alternative temperature limit of 65.6° C for the following wells: 1015, PLAW2003, PLAW2004, PLAW2005, PLAW2006, PLAW2009, PLAW2010, PLAW4002, 4003, PLAW4004, PLAW4014, PLAW5001, PLAW5003, PLAW5005, PLAW5006, PLAW5007, PLAW6001, 6002, PLAW6004, PLAW6005 and PLAW7025.

The operation of the noted wells at a temperature greater than 55° C shall subject the well to the following additional monitoring as defined in the EPA approval.

Whenever temperature monitoring at any of the listed wells indicate a temperature greater than 55° C, the Permittee shall subject that well to the following additional monitoring schedule. The additional monitoring shall continue at that well until the well’s temperature is less than 55° C for nine (9) consecutive months.

- 1) Carbon monoxide (CO) concentration at the well shall be monitored within 10 days of initially exceeding 55° C, and semi-annually thereafter.
- 2) The well and well area shall be checked for signs of charred debris or melted plastic within 10 days of initially exceeding 55° C, and semi-annually thereafter.
- 3) If signs of charred debris or melted plastic are present, or if any of the following parameters are exceeded for any well subject to the additional monitoring, it may be a sign of subsurface fire. If such a situation arises, the Permittee shall immediately investigate and take all necessary and appropriate measures, in accordance with applicable law. The well may need to be turned off while the Permittee addresses the situation.
 - a. CO concentration shall be less than 100ppm
 - b. Oxygen concentration shall be less than 5%
 - c. Methane concentration shall be greater than 35%
- 4) Records of all additional monitoring, and of any corrective actions taken, shall be maintained on site for five (5) years.

7. EMISSIONS TRADING

a) Intra-facility emission trading

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

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

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

(b) Inter-facility emission trading

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

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

8. COMPLIANCE SCHEDULE

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

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

GENERAL CONDITIONS FOR OPERATING PERMIT

9. FEES

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

10. COMPLIANCE CERTIFICATION

All documents submitted to the 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.state.ma.us/dep/bwp/daqc/aqforms.htm>.

(a) Annual Compliance Report and Certification

The Responsible Official shall certify, annually for the calendar year, that the facility is in compliance with the requirements of this permit. The report shall be postmarked or delivered by January 30 to the 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:

- i. the terms and conditions of the permit that are the basis of the certification;
- ii. the current compliance status and whether compliance was continuous or intermittent during the reporting period;
- iii. the methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
- iv. any additional information required by the 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:

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

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

13. ENFORCEMENT

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

All other terms and conditions contained in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the 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 permit, including any amendments or attachments thereto, upon request by the MassDEP or EPA.

23. SEVERABILITY CLAUSE

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

24. EMERGENCY CONDITIONS

The Permittee shall be shielded from enforcement action brought for noncompliance with technology based¹ emission limitations specified in this permit as a result of an emergency². In order to use emergency as an affirmative defense to an action brought for noncompliance, the

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.

Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (a) an emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- (b) the permitted facility was at the time being properly operated;
- (c) during the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this permit; and
- (d) the Permittee submitted notice of the emergency to the MassDEP within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

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 supercede 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 or fax, within three (3) days of discovery of such deviation:

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

For all other deviations, three (3) day notification is waived and is satisfied by the documentation required in the subsequent Semi-Annual Monitoring Summary and Certification. Instructions and forms for reporting deviations are found in the Massachusetts Department of Environmental Protection Bureau of Waste Prevention Air Operating Permit Reporting Kit, which is available to the Permittee via the MassDEP's web site, <http://www.state.ma.us/dep/bwp/daqc/aqforms.htm>.

This report shall include the deviation, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and the corrective actions or preventative measures taken.

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

26. OPERATIONAL FLEXIBILITY

The Permittee is allowed to make changes at the facility consistent with 42 U.S.C. §7401, §502(b)(10) not specifically prohibited by the permit and in compliance with all applicable requirements provided the Permittee gives the EPA and the 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)(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. List of Abbreviations

APC Unit	= Air Pollution Control Unit
Btu	= British thermal units
CFR	= Code of Federal Regulations
CMR	= Code of Massachusetts Regulations
CO	= Carbon monoxide
ft ³	= Cubic foot
DAQC	= Division of Air Quality Control
°C	= Degrees Celsius
°F	= Degrees Fahrenheit
DEP	= Department of Environmental Protection
EPA	= Environmental Protection Agency
EU	= Emission Unit
HAP	= Hazardous Air Pollutant
IA	= insignificant activity
lb/MMBtu	= Pounds per million Btu
LFG	= Landfill Gas
M.G.L.	= Massachusetts General Laws
Mg	= Megagrams
MMBtu	= Million Btu
MMBtu/hr	= Million British thermal units per hour
MM m ²	= Million square meters
MM Mg	= Million Megagrams
MSW	= Municipal Solid Waste
N/A	= Not Applicable
NMOC	= Non-Methane organic compounds
No.	= Number
NO _x	= Oxides of nitrogen
O ₂	= Oxygen
PCD	= Pollution Control Device
PM	= Particulate matter
ppm	= Parts per million
scf	= Standard cubic foot
SO ₂	= Sulfur dioxide
SSM	= Start-up, Shutdown and Malfunction
tpm	= Tons per month
tpy	= Tons per year
U.S.C.	= United States Code
VOC	= Volatile Organic Compounds
%	= Percent
<	= Less than
>	= Greater than
≤	= Less than or equal to
≥	= Greater than or equal to
§	= Section

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.