STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

NEW SOURCE REVIEW PERMIT
TO CONSTRUCT AND OPERATE
A STATIONARY SOURCE

Issued pursuant to Title 22a of the Connecticut General Statutes and Section 22a-174-3a of the Regulations of Connecticut State Agencies.

Owner/Operator:	Covanta Bristol, Inc./Bristol Resource Recovery Facility
Address:	170 Enterprise Drive, Bristol, Connecticut 06010
Equipment Location:	170 Enterprise Drive, Bristol, Connecticut 06010
Equipment Description:	One 358 TPD Ogden Martin Systems, Martin Reverse Acting Stoker Grate, Waterwall Furnace, Water-tube Boiler System with Natural Gas-Fired Auxiliary Burner System Rated at 50 MMBtu/h (Unit #2)

Permit Number:	0027
Town/Premises Numbers:	026/202
Original Permit Issue Date:	May 26, 1989
Modification Issue Date:	October 11, 2006
Expiration Date:	NONE

/s/Gina McCarthy
Gina McCarthy
Commissioner

October 11, 2006
Date

This permit is being issued pursuant to the Regulations of Connecticut

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF AIR MANAGEMENT

State Agencies (RCSA) §22a-174-3a and pursuant to the Clean Air Act and U.S. Environmental Protection Agency's (U.S. EPA) Prevention of Significant Deterioration Regulations (40 CFR Part 52.21) under the authority granted to the Connecticut Department of Environmental Protection (DEP) by the U.S. EPA on September 29, 1982.

The conditions on all pages of this permit shall be verifiable at all times, except those noted as design specifications (see Part A.). Design specifications need not be verified on a continuous basis; however, if requested by the commissioner, compliance with a given design specification shall be demonstrated.

A. MUNICIPAL WASTE COMBUSTOR AND AIR POLLUTION CONTROL DESIGN SPECIFICATIONS:

Municipal Waste Combustor (MWC):

Major components include a Martin Reverse Acting Stoker Grate, a Waterwall Furnace and a Water-tube Boiler System with Natural Gas-fired Auxiliary Burner System designed to combust Municipal Solid Waste (MSW).

FLAKT dry gas scrubber/baghouse system:

Major components and sub-systems include lime additive preparation, storage and feed system; spray dryer scrubber for acid gas control (SDS); baghouse or fabric filter (FF) and solids handling system. The SDS includes an atomizer to finely atomize and mix the lime additive with the flue gas.

Selective Non-catalytic Reduction (SNCR) System:

The principal components of the SNCR system include a 10,000 gallon aqueous ammonia storage tank, ammonia pump skid, carrier water pump skid, a purge air system and injection nozzles. There are ammonia detectors that alarm both locally and in the control room as well as eyewash stations.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

A. MUNICIPAL WASTE COMBUSTOR AND AIR POLLUTION CONTROL DESIGN SPECIFICATIONS, continued:

Mercury Emissions Control (MEC) System:

The MEC System includes a pneumatic feed system that injects dry activated carbon into the existing flue gas ductwork downstream of the economizer of each Municipal Waste Combustor (MWC). The system consists of two (2) independent carbon injection trains, each dedicated to one of the MWCs. The carbon injection trains are fed from a common carbon storage silo. Each carbon injection train includes a surge bin, gravimetric feeder, blower, eductor, piping, wiring and other process controls.

The common storage silo has two outlet hoppers to ensure each carbon injection train is independently fed and controlled.

Operational and Equipment Parameters:

Parameter	Units	Value or Range
SDS		
Inlet gas flow rate	10^3 ACFM	75.0*
Inlet gas temperature	°F	425-450*
Pressure drop	inches H_2O	4*
FF		
Exit gas flow rate	10^3 ACFM	67.1*
Exit gas temperature	°F	270-280*
Pressure drop	inches H_2O	10*
Bag area per compartment	ft^2	7150
Pressure drop across each compartment	inch H_2O	6*
Total pressure drop across baghouse	inch H_2O	5.0-10.0*
Minimum number of compartments in service at any point in time	#	3
Air to Cloth Ratio	--	3.7:1

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

A. MUNICIPAL WASTE COMBUSTOR AND AIR POLLUTION CONTROL DESIGN SPECIFICATIONS, continued:

Parameter	Units	Value or Range
SNCR System		
Design control efficiency	%	50*
Reagent injection rate	gal/h	Typical: 10-13* Maximum: 60
MEC System		
Minimum design control efficiency	%	85
Carbon injection rate	lb/h	Typical: 12-15* Maximum: 40
Carbon characteristics	--	95%@ 325 mesh 8% moisture
Silo size	ft^3	3300
Surge bin vent filter area	ft^2	216
Surge bin vent filter flow rate	acfm	675*
Stack		
Minimum height	ft	292
Minimum exit diameter	inches	56
Min. property line distance	ft	95
MWC Parameters		
Grate dimensions: Length	ft	26.43
Width	ft	13.65
Maximum design heat input	MMBtu/h	134.2
Nominal design heat input	MMBtu/h	122
Reference fuel heating value	Btu/lb	4500
Maximum steam production	lb/h	$83x10^3$
Steam temperature at superheater outlet	°F	800-845
Steam Pressure at superheater outlet	psig	835-880
Feedwater temperature	°F	250
Gas temperature leaving Economizer	°F	415-450
Maximum MSW Charging Rate	tons/h	14.89

FIRM NAME: Covanta Bristol, Inc./Bristol Resource Recovery Facility
EQUIPMENT LOCATION: 170 Enterprise Drive, Bristol, Connecticut 06010
EQUIPMENT DESCRIPTION (MODEL, I.D. #): One 358 TPD Ogden Martin Systems, Martin Reverse Acting Stoker Grate, Waterwall Furnace, Watertube Boiler System with Natural Gas-Fired Auxiliary Burner System Rated at 50 MMBtu/h (Unit #2)

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

A. MUNICIPAL WASTE COMBUSTOR AND AIR POLLUTION CONTROL DESIGN SPECIFICATIONS, continued:

* This is a typical value or range, which is subject to change during the course of normal operation

B. MAXIMUM ALLOWABLE FIRING RATE

Only municipal solid waste (MSW), as defined in RCSA §22a-174-38, and natural gas may be introduced to this unit. Fuels other than natural gas may be introduced as auxiliary fuels subject to DEP approval as well as special waste in accordance with the approved special waste handling plan.

Municipal Solid Waste:

The maximum allowable firing rate of MSW shall not exceed 134.2 MMBtu/h, the heat input associated with 110% of the design based allowable heat input of 122 MMBtu per hour to the furnace. This maximum allowable firing rate shall be demonstrated by not exceeding a maximum steam production rate of 83×10^3 lb/h, based upon a four-hr arithmetic average. The maximum demonstrated MWC load shall be the maximum allowable firing rate of MSW, or 110% of the maximum demonstrated MWC load (highest 4-hour arithmetic average) measured during the most recent annual performance test for dioxin/furan emissions for which compliance with the dioxin/furan emission limit was achieved, whichever is lower.

The facility-wide annual MSW firing rate capacity shall not exceed 261,340 tons of MSW processed and accounted as received over the scale, adjusted for pit inventory and other waste not actually processed through the combustor. This figure will be documented on a monthly basis and reported within the Facility's monthly "tonnage" report to the DEP Waste Management Bureau.

Source of MSW -- That derived from participating towns and other parties in the waste shed identified by the DEP Waste Management Bureau.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

B. MAXIMUM ALLOWABLE FIRING RATE, continued

Start-Up -- Pursuant to RCSA §22a-174-38, startup is defined as commencing when a municipal waste combustor begins the continuous burning of municipal solid waste, exclusive of any warm-up period when a municipal waste combustor is combusting fossil fuel or other non-municipal solid waste fuel, and no municipal solid waste is being fed to the combustor.

Shutdown -- Pursuant to RCSA §22a-174-38, shutdown means the period of time commencing when a municipal waste combustor operator discontinues the feed of municipal solid waste to the combustor in order to cease operation.

Auxiliary Burner System:

Fuel: Natural Gas
Design Firing Rate: 50,000 ft^3/h
50 MMBtu/h

The annual capacity factor, as defined in 40 CFR 60.41b, for the auxiliary burner system shall not exceed 10% for natural gas.

C. EMISSION LIMITATIONS

For a pollutant for which this Part provides for an emission limit measured either as a concentration or as a percentage reduction by weight or volume, the less stringent emission limit shall prevail.

1. Particulate Matter

   a. Maximum particulate matter (PM-10) concentration of 27 mg/dscm @ 7% O_2.

   b. Maximum opacity, 10 percent, 6-minute arithmetic average, as determined by continuous opacity monitoring.

2. Sulfur Oxides

   Maximum sulfur oxides (SO_x) concentration (expressed as sulfur dioxide (SO_2)) of 29 ppmvd @ 7% O_2 (24-hr geometric average of the hourly arithmetic averages) or 75% reduction by weight or volume, as determined by continuous emission monitoring (CEM).

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

C. EMISSION LIMITATIONS, continued

3. Nitrogen Oxides

   Maximum nitrogen oxides (NO_x) emission rate (expressed as nitrogen dioxide (NO_2)), of 200 ppmvd @ 7% O_2 (24-hr arithmetic average), as determined by CEM.

4. Carbon Monoxide

   Maximum CO concentration of 100 ppmvd @ 7% O_2 (4-hr arithmetic average), as determined by CEM.

5. Acid Gases

   a. Maximum hydrogen chloride (HCl) concentration of 29 ppmvd @ 7% O_2 or 95% reduction by weight or volume.

   b. Maximum sulfuric acid (H_2SO_4) emission of 0.02 #/MMBtu heat input of MSW.

6. Cadmium, Dioxin Emissions, Dioxin/Furan, Lead, Mercury, Fluorides and Polynuclear Aromatic Hydrocarbons (PAHs)

   a. Maximum cadmium (Cd) concentration of 0.040 mg/dscm @ 7% O_2.

   b. Maximum dioxin emissions concentration of 1.95 ng/Nm^3 @ 12% CO_2 (total toxic equivalence as defined in RCSA §22a-174-1). This is the BACT limit imposed by the original permit.

   c. Maximum total mass dioxin/furan concentration of 30 ng/dscm @ 7% O_2 as defined in RCSA §22a-174-38.

   d. Maximum lead (Pb) concentration of 0.44 mg/dscm @ 7% O_2.

   e. Maximum mercury (Hg) concentration of 0.028 mg/dscm @ 7% O_2 or 85% reduction by weight.

   f. The maximum concentration for fluorides and PAHs shall be those established through MASC compliance and demonstrated during initial stack test results as specified in Part J. of this permit.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

C. EMISSION LIMITATIONS, continued

7. Ammonia

   Maximum ammonia (NH_3) slip of 20 ppmvd @ 7% O_2.

8. Beryllium

   If municipal solid waste consisting, in part, of beryllium containing waste from a foundry, extraction plant or propellant plant, is burned in this MSW incinerator, at any time, the provisions of 40 CFR Part 61, Subpart C shall apply.

9. Odors

   The Permittee shall not allow an objectionable odor to be emitted from the facility in any area of public use or occupancy pursuant to RCSA §22a-174-23.

10. Compliance with emission limits stated in Part C.1-3 and C.4b, C.5a and C.6a, c, d, e of this permit are to be verified in accordance with RCSA §22a-174-38(c) and (i). For pollutants that provide for an emission limit or percent reduction by weight or volume, the less stringent limit shall apply. Stack testing for total mass dioxin/furan, lead and mercury shall be done in accordance with RCSA §22a-174-38.

11. Compliance with the emission limits stated in Part C.5b, c.6f, C.7 shall be verified through periodic stack testing commencing with the next dioxin/metals test and every five (5) years thereafter.

12. Concentration emission limits in Part C. (except for opacity) shall be corrected to 7% O_2 unless the Permittee submits information to the DEP, in accordance with RCSA §22a-174-38(c), justifying correction to an equivalent % CO_2 and receives the commissioner's written approval. Dioxin/furan emissions shall be corrected to both 7% O_2 and 12% CO_2. This is required as the BACT limit of the original permit corrected to 12% CO_2 and the limit contained in RCSA §22a-174-38 corrects to 7% O_2.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

D. OPERATING REQUIREMENTS/COMBUSTION PARAMETERS

1. The MWC must be capable of complying with the operating practices in RCSA §22a-174-38(g).

2. The Permittee shall utilize parametric monitoring to ensure good combustion practice. Such monitoring shall include, but not be limited to CO emissions, maximum operating load and fabric filter inlet temperature.

3. Overfire and underfire air must be provided to obtain optimum combustion.

4. The equipment must not cause or interfere with this source's compliance with all applicable state and federal emission limits and standards listed herein or elsewhere.

5. Except as provided under RCSA §22a-174-38(g), the Permittee shall not allow the temperature measured at the particulate control inlet to exceed 17 °C (based on a 4-hr arithmetic average) above the maximum demonstrated particulate control device inlet temperature measured during the most recent performance test for dioxin/furan emissions during which compliance with the dioxin/furan emission limit was achieved.

E. MONITORING REQUIREMENTS/OPERATING PARAMETERS

1. Continuous emission monitoring (CEM) and recording is required for operating parameters of the combustion equipment and air pollution control equipment. CEM and recording is required for:

   Opacity
   Sulfur Oxides, as SO_2
   Nitrogen Oxides, as NO_2
   Oxygen
   Carbon Monoxide
   Carbon Dioxide
   Sulfuric Acid
   Steam load
   Total combined overfire and underfire air
   Pressure drop across air pollution control devices
   Fabric filter inlet temperature

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

E. MONITORING REQUIREMENTS/OPERATING PARAMETERS, continued

SDS reagent specific gravity (twice daily gravimetric determinations)
SDS reagent application pressures and flow rates
Primary indicators of carbon mass feed rates

This data must be recorded and retained at the site for inspection at the DEP's discretion. These records will be required for all periods of operation and will have to be retained on site for a period of five (5) years. The Permittee is required to review all recorded data daily and report to the DEP any exceedance of an emission limit or apparent deviations from any conditions of this permit, as required under RCSA §22a-174-38 and/or the Permittee's Title V permit, and as a regular operating practice under the protocol prepared pursuant to Part I.1. of this permit.

Acceptable CEM equipment may not be available at this time to monitor one or more of the following: H_2SO_4, VOC and SDS reagent specific gravity. The installation of this equipment will not be required at this time. However, at the DEP's discretion, this equipment shall be installed and operated, as above, when and if acceptable CEM equipment is or does become available within six (6) months of receipt of notification from the Department.

2. Continuous monitors and recorders shall be installed, maintained, calibrated, tested and operated to measure and record the emissions and parameters found in this part from this MWC in accordance with RCSA §22a-174-4. Monitors must comply with applicable U.S. EPA performance and siting specifications (40 CFR Part 60, Appendix B as may be amended from time to time).

3. A written quality assurance/quality control (QA/QC) program for all of the emission parameters, as well as the process parameters, must be followed to meet the U.S. EPA Quality Assurance procedures (40 CFR Part 60, Appendix F) and applicable DEP requirements. This program will include quarterly audits of the CEM system.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

E. MONITORING REQUIREMENTS/OPERATING PARAMETERS, continued

4. Operation of this facility shall comply with all applicable state and federal air pollution control regulations. Except as explicitly altered elsewhere in this permit, all the requirements of the New Source Performance Standards (40 CFR Part 60) shall be applicable to the MWC to the extent that they would be applicable to any other unit subject to the Standards of Performance for Incinerators (40 CFR Part 60, Subpart E). Specifically, the various notification, testing, monitoring, and record keeping provisions of 40 CFR Part 60, Subpart A are applicable to the MWC.

5. Operation on MSW during any start-up period is not allowed without the air pollution control systems working.

6. Additional tests may be required if any pollutant emission rate or operational parameter is identified as not being in compliance with any permit condition.

7. Dioxin testing must be performed in accordance with provisions of the RCSA, as amended, and any other regulations of the DEP.

F. SUPPORT REQUIREMENTS

1. Sufficient wind-sheltered storage capacity for refuse, residual particulates and bottom ash on site and provision for landfill disposal of same shall be maintained for operation of refuse handling systems, in the event of a strike, malfunction of air pollution control equipment or other interruption.

2. Paved vehicular traffic areas of the plant site.

3. Transfer, storage and transportation at and from the plant site, of materials collected from the boiler grates and the air pollution control equipment must be done in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

4. A clean up program on the plant site, whereby, at least once per day, any refuse or other materials which may become airborne, will be collected.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

F. SUPPORT REQUIREMENTS, continued

5. Positive measures must be taken and maintained to assure that the public does not have uncontrolled access to any portion of this premises. On site modeling of this source has not been performed. Public access to the site must be restricted on the chance that there may be non-compliant on site emission impacts.

G. EQUIPMENT MALFUNCTION

1. The emission limits specified in this permit shall apply at all times except during periods of start-up, shut down and malfunction, as defined in RCSA §22a-174-38 and 40 CFR Part 60.58b(a)(1)(iii).

   The opacity limit specified in this permit shall apply at all times except during periods of start-up, shut down and malfunction when this limit shall not be exceeded during more than five (5) 6-minute arithmetic average measurements for the start-up, shut down or malfunction period.

   The duration of each start-up, shut down or malfunction period shall be limited to three (3) hours per occurrence. For malfunctions that result in a loss of boiler water level control (e.g., boiler waterwall tube failure) or a loss of combustion air control (e.g., loss of combustion air fan, induced draft fan, combustion grate bar failure), the duration of the malfunction exemption period is limited to 15 hours per occurrence for the purpose of compliance with the CO emission limits contained in this permit.

2. Except as otherwise provided in this permit, the facility will only be allowed to operate during malfunction of air pollution control equipment for a period not to exceed the burn out of the unit's charge at the time of the shutdown. No MSW may be charged into the unit following a malfunction until after the air pollution controls have been put back on line.

3. In the event of a malfunction of this unit's SDS system, the MWC's exhaust gases must continue to be vented through the malfunctioning scrubber provided the baghouse is functioning properly and is adequately protected from the temperature of the MWC's hot combustion gases and particulate matter.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

G. EQUIPMENT MALFUNCTION, continued

During any period that the scrubber is malfunctioning, the SO_2 emissions from this source may not exceed 1.1 #/MMBtu heat input of MSW.

H. OPERATION AND MAINTENANCE

1. The Permittee shall not allow the operation of the MWC without the presence of a chief operator or shift operator certified in accordance with §22a-174-38(h).

2. Operating and maintenance manuals, subject to Department review, must be maintained at the facility for the MWC covered by this permit.

3. The Permittee shall develop a MWC Operating and Maintenance Manual in accordance with RCSA §22a-174-38(h).

I. ENFORCEMENT CONSIDERATIONS

1. An enforcement protocol will be updated and maintained by the Permittee. The protocol shall address the relationship between CEM equipment, the limitations imposed by this permit, including, but not limited to, averaging times, emission rates and operating parameters and the actions to be undertaken by Permittee and the DEP in the event that exceedances occur or are anticipated to occur.

2. Pursuant to Section 22a-6b-602(f)(1) of the Regulations, the Permittee is hereby advised of its liability for assessment of civil penalties for any violation of the terms of this permit.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

J. ALLOWABLE EMISSIONS

Criteria Pollutants	lb/h	mg/dscm @ 7% O_2	ppmvd @ 7% O_2	TPY
TSP	3.0[2]	27		13.2
SO_x (as SO_2)[1]	8.6[2]		29	37.7
NO_x (as NO_2)	43.8[2]		200	191.7
VOC	5.3		70 (@12% CO_2)	23.2
CO	13.0[2]		100	56.9
Pb	0.05[2]	0.44		0.22

Non-Criteria Pollutants	lb/h	mg/dscm 7% O_2	ppmvd @ 7% O_2
Acid Gases[3]			
H_2SO_4	1.53		
HCl[1]	4.91[2]		29
Total Fluorides	0.01		
Organics[3]			
Polynuclear Aromatic Hydrocarbons (PAH)	6e-5		
Dioxin emissions[4]	5.14e-7	1.95 ng/Nm^3 @ 12% CO_2	
Dioxin/furan[5]		30 ng/dscm @ 7% O_2	
Metals[3]			
Arsenic	9.86e-4		
Beryllium	0.00		
Cadmium	1.74e-4	0.04	
Chromium	2.00e-4		
Copper	5.87e-4		
Manganese	5.33e-4		
Mercury[1]	1.57e-4	0.028	
Nickel	5.17e-5		
Zinc	1.14e-2		
Other			
Ammonia			20

FIRM NAME: Covanta Bristol, Inc./Bristol Resource Recovery Facility
EQUIPMENT LOCATION: 170 Enterprise Drive, Bristol, Connecticut 06010
EQUIPMENT DESCRIPTION (MODEL, I.D. #): One 358 TPD Ogden Martin Systems, Martin Reverse Acting Stoker Grate, Waterwall Furnace, Watertube Boiler System with Natural Gas-Fired Auxiliary Burner System Rated at 50 MMBtu/h (Unit #2)

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

J. ALLOWABLE EMISSIONS, continued

Compliance with the mass flow emission limits (lb/h, TPY) of this permit shall be based on compliance with the concentration limits (ppmvd, mg/dscm, etc.) in the above table and Part D. of this permit. The mass flow rates above (lb/h, TPY) are considered representative of actual operating conditions and are based on the average stack gas volumetric flow rates from stack tests performed from 1996 to 2000. The actual mass flow rates will vary depending on actual exhaust flow.

[1]- These pollutants allow for a percent reduction in emissions as an alternative to the emission limit (the least stringent applies). The percent reductions for each pollutant are given in Part D. of this permit.

[2]- Based on 29809 dscfm (68 °F) and the corresponding pollutant concentration, except for VOC, which is based on 30407 dscfm @ 12 % CO_2. These flow rates are the average values from the dioxin and metals stack tests of this unit from 1996-2000. These values are considered representative of actual operation, subject to change during the course of normal operation.

[3]- The non-criteria pollutant emission rates are considered representative of typical operating conditions and may vary up to, but not exceed the more stringent of the MASC value or §22a-174-38 concentration limits, where applicable. The lb/h emission rates for dioxin[4] and metals are actual emissions from the 11/00 stack test. The lb/h emission rates for H_2SO_4, total fluorides and PAHs are from the original stack test.

[4]- As defined in RCSA §22a-174-1.

[5]- As defined in RCSA §22a-174-38

K. ADDITIONAL TERMS AND CONDITIONS

1. This permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the regulated activity in compliance with all applicable requirements of any federal, municipal or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.

2. Any representative of the DEP may enter the Permittee's site in accordance with constitutional limitations at all reasonable times without prior notice, for the purposes of inspecting, monitoring and enforcing the terms and conditions of this permit and applicable state law.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

K. ADDITIONAL TERMS AND CONDITIONS, continued

3. This permit may be revoked, suspended, modified or transferred in accordance with applicable law.

4. This permit is subject to and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut and conveys no property rights in real estate or material, nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby. This permit shall neither create nor affect any rights of persons of municipalities who are not parties to this permit.

5. Any document, including any notice, which is required to be submitted to the Commissioner under this permit shall be signed by a duly authorized representative of the Permittee and by the person who is responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute."

6. Nothing in this permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.

PERMIT FOR MUNICIPAL WASTE COMBUSTOR

STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

K. ADDITIONAL TERMS AND CONDITIONS, continued

7. Within fifteen days of the date the Permittee becomes aware of a change in any information submitted to the commissioner under this permit, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the commissioner.

8. The date of submission to the commissioner of any document required by this permit shall be the date such document is received by the commissioner. The date of any notice by the commissioner under this permit, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three days after it is mailed by the commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.

9. Any document required to be submitted to the commissioner under this permit shall, unless otherwise specified in writing by the commissioner, be directed to: Office of Director; Compliance & Field Operations Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.