

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION**

February 3, 2012

**PERMIT TO INSTALL**  
232-09B

**ISSUED TO**  
Great Lakes Cremation Service, Inc.

**LOCATED AT**  
29547 Costello Drive  
New Hudson, Michigan

**IN THE COUNTY OF**  
Oakland

**STATE REGISTRATION NUMBER**  
N8339

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203:

**January 13, 2012**

DATE PERMIT TO INSTALL APPROVED:

**February 3, 2012**

SIGNATURE:

DATE PERMIT VOIDED:

SIGNATURE:

DATE PERMIT REVOKED:

SIGNATURE:

## PERMIT TO INSTALL

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**Common Abbreviations / Acronyms**

<b>Common Acronyms</b>		<b>Pollutant/Measurement Abbreviations</b>	
AQD	Air Quality Division	BTU	British Thermal Unit
ANSI	American National Standards Institute	°C	Degrees Celsius
BACT	Best Available Control Technology	CO	Carbon Monoxide
CAA	Clean Air Act	dscf	Dry standard cubic foot
CEM	Continuous Emission Monitoring	dscm	Dry standard cubic meter
CFR	Code of Federal Regulations	°F	Degrees Fahrenheit
COM	Continuous Opacity Monitoring	gr	Grains
EPA	Environmental Protection Agency	Hg	Mercury
EU	Emission Unit	hr	Hour
FG	Flexible Group	H <sub>2</sub> S	Hydrogen Sulfide
GACS	Gallon of Applied Coating Solids	hp	Horsepower
GC	General Condition	lb	Pound
HAP	Hazardous Air Pollutant	m	Meter
HVLP	High Volume Low Pressure *	mg	Milligram
ID	Identification	mm	Millimeter
LAER	Lowest Achievable Emission Rate	MM	Million
MACT	Maximum Achievable Control Technology	MW	Megawatts
MAERS	Michigan Air Emissions Reporting System	ng	Nanogram
MAP	Malfunction Abatement Plan	NO <sub>x</sub>	Oxides of Nitrogen
MDEQ	Michigan Department of Environmental Quality (Department)	PM	Particulate Matter
MIOSHA	Michigan Occupational Safety & Health Administration	PM10	PM less than or equal to 10 microns diameter
MSDS	Material Safety Data Sheet	PM2.5	PM less than or equal 2.5 microns diameter
NESHAP	National Emission Standard for Hazardous Air Pollutants	pph	Pound per hour
NSPS	New Source Performance Standards	ppm	Parts per million
NSR	New Source Review	ppmv	Parts per million by volume
PS	Performance Specification	ppmw	Parts per million by weight
PSD	Prevention of Significant Deterioration	psia	Pounds per square inch absolute
PTE	Permanent Total Enclosure	psig	Pounds per square inch gauge
PTI	Permit to Install	scf	Standard cubic feet
RACT	Reasonably Available Control Technology	sec	Seconds
ROP	Renewable Operating Permit	SO <sub>2</sub>	Sulfur Dioxide
SC	Special Condition	THC	Total Hydrocarbons
SCR	Selective Catalytic Reduction	tpy	Tons per year
SRN	State Registration Number	µg	Microgram
TAC	Toxic Air Contaminant	VOC	Volatile Organic Compounds
TEQ	Toxicity Equivalence Quotient	yr	Year
VE	Visible Emissions		

\* For High Volume Low Pressure (HVLP) applicators, the pressure measured at the HVLP gun air cap shall not exceed ten (10) pounds per square inch gauge (psig).

### GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**
2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**
3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**
4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**
5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of R 336.1219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**
6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**
7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**
8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.
9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301)**
  - a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
  - b) A visible emission limit specified by an applicable federal new source performance standard.
  - c) A visible emission limit specified as a condition of this Permit to Install.
  
12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**
  
13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

**SPECIAL CONDITIONS**

**EMISSION UNIT SUMMARY TABLE**

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Installation Date / Modification Date	Flexible Group ID
EUCREMATORY1	Mathews Cremation Division Power Pak II (IE43-PPII) Fuel Type: Natural Gas Maximum Charge: 750 Pounds Burn Rate: 150 Pounds/Hour Charge Type: Human Remains	November 3, 2009	N/A
EUCREMATORY2	Mathews Cremation Division Super Power Pak (IE43-SPP) Fuel Type: Natural Gas Maximum Charge: 750 Pounds Burn Rate: 200 Pounds/Hour Charge Type: Human Remains	November 3, 2009	N/A
EUCREMATORY3	Mathews Cremation Division Power-Pak Jr. (IE43-PPJ) Fuel Type: Natural Gas Maximum Charge: 300 Pounds Burn Rate: 75 Pounds/Hour Charge Type: Animal "Pet" Remains	May 11, 2010	N/A
EUCREMATORY4	Mathews Cremation Division Super Power Pak (IE43-SPP) Fuel Type: Natural Gas Maximum Charge: 750 Pounds Burn Rate: 200 Pounds/Hour Charge Type: Human Remains	February 3, 2012	N/A
Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.			

**The following conditions apply to: EUCREMATORY1**

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. PM	0.20 lb /1,000 lbs of gas, corrected to 50% excess air.	Test Protocol *	EUCREMATORY1	GC 11, GC 13	R 336.1331
* Test Protocol shall specify averaging time.					

**II. MATERIAL LIMITS**

1. The permittee shall not burn any waste in EUCREMATORY1 other than the following: **(40 CFR 60.51c)**

**Pathological wastes**—As defined in the federal Standards of Performance for New Stationary Sources, 40 CFR 60.51c, pathological waste means waste materials consisting of only human or animal remains, anatomical parts, and/or tissue; the bags/containers used to collect and transport the waste material; and animal bedding. **This permit applies to human pathological waste and associated materials.**

2. The permittee shall not charge more than 750 pounds per charge in EUCREMATORY1. **(R 336.1301, R 336.1331, R 336.1901)**
3. The permittee shall not burn any fuel in EUCREMATORY1 other than natural gas. **(R 336.1224, R 336.1225, R 336.1702, R 336.1901)**

**III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not combust waste in EUCREMATORY1 unless a minimum temperature of 1600°F and a minimum retention time of 1.0 seconds in the secondary combustion chamber are maintained. **(R 336.1301, R 336.1331, R 336.1910)**
2. The incinerator shall be installed, maintained, and operated in a satisfactory manner to control emissions from EUCREMATORY1. A list of recommended operating and maintenance procedures is specified in Appendix A. **(R 336.1301, R 336.1331, R 336.1910)**

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the temperature in the secondary combustion chamber of EUCREMATORY1 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1901)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

N/A

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall monitor and record the temperature in the secondary combustion chamber of EUCREMATORY1 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1901)**
2. The permittee shall keep, in a satisfactory manner, daily records of the time (duration of burn), description and weight of waste combusted in EUCREMATORY1, as required by SC II.1 and SC II.2. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205, 40 CFR 60.50c(b))**
3. The permittee shall keep, in a satisfactory manner, secondary combustion chamber temperature records for EUCREMATORY1, as required by SC IV.1. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1901)**

**VII. REPORTING**

N/A

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/ Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVCREMATORY1	20	21	R 336.1901

**IX. OTHER REQUIREMENTS**

N/A

**The following conditions apply to: EUCREMATORY2**

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.20 lb /1,000 lbs of gas, corrected to 50% excess air.	Test Protocol *	EUCREMATORY2	GC 11, GC 13	R 336.1331
* Test Protocol shall specify averaging time.					

**II. MATERIAL LIMITS**

- The permittee shall not burn any waste in EUCREMATORY2 other than the following: **(40 CFR 60.51c)**  
  
**Pathological wastes**—As defined in the federal Standards of Performance for New Stationary Sources, 40 CFR 60.51c, pathological waste means waste materials consisting of only human or animal remains, anatomical parts, and/or tissue; the bags/containers used to collect and transport the waste material; and animal bedding. **This permit applies to human pathological waste and associated materials.**
- The permittee shall not charge more than 750 pounds per charge in EUCREMATORY2. **(R 336.1301, R 336.1331, R 336.1901)**
- The permittee shall not burn any fuel in EUCREMATORY2 other than natural gas. **(R 336.1224, R 336.1225, R 336.1702, R 336.1901)**

**III. PROCESS/OPERATIONAL RESTRICTIONS**

- The permittee shall not combust waste in EUCREMATORY2 unless a minimum temperature of 1600°F and a minimum retention time of 1.0 seconds in the secondary combustion chamber are maintained. **(R 336.1301, R 336.1331, R 336.1910)**
- The incinerator shall be installed, maintained, and operated in a satisfactory manner to control emissions from EUCREMATORY2. A list of recommended operating and maintenance procedures is specified in Appendix A. **(R 336.1301, R 336.1331, R 336.1910)**

**IV. DESIGN/EQUIPMENT PARAMETERS**

- The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the temperature in the secondary combustion chamber of EUCREMATORY2 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1901)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

N/A

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall monitor and record the temperature in the secondary combustion chamber of EUCREMATORY2 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1901)**
2. The permittee shall keep, in a satisfactory manner, daily records of the time (duration of burn), description and weight of waste combusted in EUCREMATORY2, as required by SC II.1 and SC II.2. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205, 40 CFR 60.50c(b))**
3. The permittee shall keep, in a satisfactory manner, secondary combustion chamber temperature records for EUCREMATORY2, as required by SC IV.1. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1901)**

**VII. REPORTING**

N/A

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/ Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVCREMATORY2	20	21	R 336.1901

**IX. OTHER REQUIREMENTS**

N/A

**The following conditions apply to: EUCREMATORY3**

**I. EMISSION LIMITS**

Pollutant	Limit	Time Period / Operating Scenario	Equipment	Testing / Monitoring Method	Underlying Applicable Requirements
1. PM	0.20 lb /1,000 lbs of gas, corrected to 50% excess air.	Test Protocol *	EUCREMATORY3	GC 11, GC 13	R 336.1331
* Test Protocol shall specify averaging time.					

**II. MATERIAL LIMITS**

1. The permittee shall not burn any waste in EUCREMATORY3 other than the following: **(40 CFR 60.51c)**

**Pathological wastes**—As defined in the federal Standards of Performance for New Stationary Sources, 40 CFR 60.51c, pathological waste means waste materials consisting of only human or animal remains, anatomical parts, and/or tissue; the bags/containers used to collect and transport the waste material; and animal bedding. **This permit applies to animal pathological waste and associated materials.**

2. The permittee shall not charge more than 300 pounds per charge in EUCREMATORY3. **(R 336.1301, R 336.1331, R 336.1901)**
3. The permittee shall not burn any fuel in EUCREMATORY3 other than natural gas. **(R 336.1224, R 336.1225, R 336.1702, R 336.1901)**

**III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not combust waste in EUCREMATORY3 unless a minimum temperature of 1600°F and a minimum retention time of 1.0 seconds in the secondary combustion chamber are maintained. **(R 336.1301, R 336.1331, R 336.1910)**
2. The incinerator shall be installed, maintained, and operated in a satisfactory manner to control emissions from EUCREMATORY3. A list of recommended operating and maintenance procedures is specified in Appendix A. **(R 336.1301, R 336.1331, R 336.1910)**

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the temperature in the secondary combustion chamber of EUCREMATORY3 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1901)**

**V. TESTING/SAMPLING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

N/A

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall monitor and record the temperature in the secondary combustion chamber of EUCREMATORY3 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1901)**
2. The permittee shall keep, in a satisfactory manner, daily records of the time (duration of burn), description and weight of waste combusted in EUCREMATORY3, as required by SC II.1 and SC II.2. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205, 40 CFR 60.50c(b))**
3. The permittee shall keep, in a satisfactory manner, secondary combustion chamber temperature records for EUCREMATORY3, as required by SC IV.1. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1901)**
4. The permittee shall keep, in a satisfactory manner, a record of all service, maintenance and equipment inspections for EUCREMATORY3. The records shall include the description, reason, date and time of the service, maintenance or inspection. The permittee shall keep all records on file and make them available to the department on request. **(R 336.1301, R 336.1331, R 336.1910)**

**VII. REPORTING**

N/A

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/ Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVCREMATORY3	20	21	R 336.1901 R 336.2803 R 336.2804 40 CFR 52.21 (c) & (d)

**IX. OTHER REQUIREMENTS**

N/A

**The following conditions apply to: EUCREMATORY4**

**I. EMISSION LIMITS**

<b>Pollutant</b>	<b>Limit</b>	<b>Time Period / Operating Scenario</b>	<b>Equipment</b>	<b>Testing / Monitoring Method</b>	<b>Underlying Applicable Requirements</b>
1. PM	0.20 lb /1,000 lbs of gas, corrected to 50% excess air.	Test Protocol*	EUCREMATORY4	GC 11, GC 13	R 336.1331

\* Test Protocol shall specify averaging time.

**II. MATERIAL LIMITS**

1. The permittee shall not burn any waste in EUCREMATORY4 other than the following wastes: **(40 CFR 60.51c)**

Pathological wastes - As defined in the federal Standards of Performance for New Stationary Sources, 40 CFR 60.51c, pathological waste means waste materials consisting of only human or animal remains, anatomical parts, and/or tissue; the bags/containers used to collect and transport the waste material; and animal bedding. **This permit applies to animal pathological waste and associated materials.**

2. The permittee shall not charge more than 750 pounds per charge in EUCREMATORY4. **(R 336.1301, R 336.1331, R 336.1901)**
3. The permittee shall not burn any fuel in EUCREMATORY4 other than natural gas. **(R 336.1224, R 336.1225, R 336.1702, R 336.1901)**

**III. PROCESS/OPERATIONAL RESTRICTIONS**

1. The permittee shall not combust waste in EUCREMATORY4 unless a minimum temperature of 1600 °F and a minimum retention time of 1.0 second in the secondary combustion chamber are maintained. **(R 336.1301, R 336.1331, R 336.1910)**
2. The incinerator shall be installed, maintained, and operated in a satisfactory manner to control emissions from EUCREMATORY4. A list of recommended operating and maintenance procedures is specified in Appendix A. **(R 336.1301, R 336.1331, R 336.1910)**

**IV. DESIGN/EQUIPMENT PARAMETERS**

1. The permittee shall install, calibrate, maintain and operate in a satisfactory manner, a device to monitor and record the temperature in the secondary combustion chamber of EUCREMATORY4 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1901)**

**V. TESTING/SAMPLING** NA

**VI. MONITORING/RECORDKEEPING**

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall monitor and record, in a satisfactory manner, the temperature in the secondary combustion chamber of EUCREMATORY4 on a continuous basis. **(R 336.1301, R 336.1331, R 336.1901)**

2. The permittee shall keep, in a satisfactory manner, all daily records of the time (duration of burn), description and weight of waste combusted in EUCREMATORY4, as required by SC II.1 and SC II.2. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1205, 40 CFR 60.50c(b))**
3. The permittee shall keep, in a satisfactory manner, secondary combustion chamber temperature records for EUCREMATORY4, as required by SC IV.1. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1901)**
4. The permittee shall keep, in a satisfactory manner, a record of all service, maintenance, and equipment inspections for EUCREMATORY4. The records shall include the description, reason, date, and time of the service, maintenance, or inspection. The permittee shall keep all records on file and make them available to the Department upon request. **(R 336.1301, R 336.1331, R 336.1901)**

**VII. REPORTING NA**

**VIII. STACK/VENT RESTRICTIONS**

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

<b>Stack &amp; Vent ID</b>	<b>Maximum Exhaust Diameter/Dimensions (inches)</b>	<b>Minimum Height Above Ground (feet)</b>	<b>Underlying Applicable Requirements</b>
1. SVCREMATORY4	20	21	R 336.1901 R 336.2803 R 336.2804 40 CFR 52.21 (c) & (d)

**IX. OTHER REQUIREMENTS**

N/A

**APPENDIX A**  
**Incinerator Operation and Maintenance Guidelines**

1. Designate a trained operator for the unit and make that person responsible for compliance with the air pollution control requirements.
2. Clean grates before each day's operation (more often if necessary), and dispose of the ashes properly.
3. Preheat the unit with the burners (not with waste) for at least 15 minutes.
4. Do not overload the incinerator. Stay within the given loading rates and follow the manufacturer's instructions.
5. Schedule charges to minimize opening the charging door as infrequently as possible. Opening the charging door lets cold air in and quenches the fire causing smoke.
6. Burn only the type of wastes that the incinerator has been approved to burn. Follow the manufacturer's instructions to maximize the efficiency of the unit, and to properly burn the waste(s).
7. Keep the combustion air adjusted according to the manufacturer's instructions.
8. Observe the stack frequently and adjust the operation as necessary to eliminate smoke and fly ash.
9. Post a copy of the manufacturer's manual and this Guideline near the incinerator.
10. Make quarterly inspections to check and service all of the equipment. If a qualified person is not available for proper inspections, a service contract with a reputable manufacturer is advisable.
11. Follow manufacturer's operation and maintenance guidelines.