



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE
GOVERNOR

PATRICIA W. AHO
COMMISSIONER

**Mount Hope Cemetery Corporation
Penobscot County
Bangor, Maine
A-377-71-N-M**

**Departmental
Findings of Fact and Order
Air Emission License
Minor Revision**

FINDINGS OF FACT

After review of the air emission license renewal application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Maine Department of Environmental Protection (Department) finds the following facts:

I. REGISTRATION

A. Introduction

1. Mount Hope Cemetery Corporation (Mount Hope) was issued a renewal of their Air Emission License, A-377-71-M-R, on February 11, 2014 permitting the operation of a Class IV-A crematory.
2. The equipment addressed in this license is located at 1048 State Street, Bangor, Maine.
3. Mount Hope has applied for a minor revision to its license to correct a typographical error referring to the preheat temperature of the secondary chambers of the incinerators, and to correct the heat rating of the secondary chamber on the MILL incinerator which should be 1.25 MMBtu/hr.

B. Emission Equipment Affected

The crematory incinerator 1 (ALL 1) is an ALL model 1701, manufactured and installed in 1972; crematory incinerator 2 (ALL 2) is an ALL model 1701, manufactured and installed in 1974; crematory incinerator 3 (ALL 3) is an ALL model 2001, manufactured and installed in 1992; and crematory incinerator 4 (MILL) is a CMS Millennium III, manufactured and installed in 2002. The cremators have the following specifications:

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769
(207) 764-0477 FAX: (207) 760-3143

Unit	ALL 1	ALL 2	ALL 3	MILL
Class Incinerator	IV-A	IV-A	IV-A	IV-A
No. of Chambers	2	2	2	2
Type of Waste	Type 4	Type 4	Type 4	Type 4
Maximum Design Combustion Rate (lb/hr)	100	100	100	100
Auxiliary Fuel Input:				
Primary Chamber (MMBtu/hr)	0.75	0.75	0.75	0.75
Secondary Chamber (MMBtu/hr)	1.25	1.25	1.25	1.25
Emission Control	Afterburner	Afterburner	Afterburner	Afterburner

The cremators vent to individual, 22 foot AGL (Above Ground Level) stacks.

C. Description of Revision:

In previous licenses, Mount Hope had been required to preheat the secondary chamber, according to the manufacturer's instructions, to at least 1200°F.

In the current license, the preheat temperature was inadvertently specified as 1400°F. Mount Hope has requested this typographical error be corrected.

In the current license, the heat input rating of the secondary chamber of the MILL incinerator is shown as 0.25 MMBtu/hr; the rating is actually 1.50 MMBtu/hr and Mount Hope has requested this typographical error be corrected.

D. Application Classification

This amendment will not increase emissions of any pollutant. Therefore, this amendment is determined to be a minor revision and has been processed as such.

II. BEST PRACTICAL TREATMENT

A. Introduction

In order to receive a license, the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in 06-096 CMR 100 (as amended).

BPT for existing equipment means that method which controls or reduces emissions to the lowest possible level considering:

- the existing state of technology;
- the effectiveness of available alternatives for reducing emissions from the source being considered; and
- the economic feasibility for the type of establishment involved.

III. AIR QUALITY ANALYSIS

According to Chapter 115 of the Department's regulations, the level of air quality analysis and monitoring are determined on a case-by-case basis. Based on analysis for similar sources, the size of the source, the allowable emissions, the location, and the stack height, ambient air quality standards, including increments, are not expected to be violated. Therefore, an ambient air impact analysis will not be required for this source at this time.

ORDER

Based on the above Findings and subject to conditions listed below the Department concludes that the emissions from this above source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-377-71-N-M, subject to the conditions found in Air Emission License A-377-71-M-R and the following conditions and changes to Air Emission License A-377-71-M-R:

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

In the Findings of Fact section, Section II B Operating Parameters, bullets 2 and 3 shall be amended to read:

- To ensure an efficient burn, and to prevent odors and visible emissions, the secondary chamber shall be preheated, as specified by the manufacturer, until the pyrometer temperature measures at least 1200°F.

- No human remains shall be introduced into the primary chamber until the temperature in the secondary chamber has reached 1200°F.

In the Order Section, Specific Condition (16), subsections F and G shall be amended to read:

- F. To insure an efficient burn, and to prevent odors and visible emissions, the secondary chamber of each cremator shall be preheated, as specified by the manufacturer, until the pyrometer temperature measures at least 1200°F. [06-096 CMR 115, BPT/BACT]
- G. No human remains shall be introduced into the primary chamber of each cremator until the temperature in the secondary chamber has reached 1200°F. [BACT/BPT]

In the Findings of Fact and the Order Sections the heat input capacity of the secondary chamber of incinerator #4 – MILL (the CMS Millennium III), shall be corrected to read 1.25 MMBtu/hr.

DONE AND DATED IN AUGUSTA, MAINE THIS *25* DAY OF *August*, 2014.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: *Marc Allen Robert Corne for*
PATRICIA W. AHO, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-377-71-M-R.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 05/01/2014

Date of application acceptance: 05/01/2014

Date filed with the Board of Environmental Protection:

This Order prepared by N. Lynn Cornfield, Bureau of Air Quality.

