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JAN 27 2011

HUMAN CREMATORY AIR GENERAL PERMIT REGISTRATION FORM

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

**Bureau of Air Monitoring
& Mobile Sources**

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

0310516-006

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- ☐ Construct and operate a proposed new facility.
☐ Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- ☒ Continue operating the facility after expiration of the current term of air general permit use.
☐ Continue operating the facility after a change of ownership.
☐ Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- ☒ All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

0310513-005-AG

MARTIN-MARTEIRA

- ☐ No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Eternity Services, Inc., dba Eternity Funeral Home

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Eternity Funeral Home and Crematory

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 4856-B Oakdale Avenue

City: Jacksonville

County: Duval

Zip Code: 32207 - 2562

Facility Start-Up Date (Estimated start-up date of proposed **new** facility.) (N/A for existing facility)
NA

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Rex Gill, CEO

Owner/Authorized Representative Mailing Address

Organization/Firm: Eternity Funeral Home

Street Address: 4856-B Oakdale Avenue

City: Jacksonville

County: Duval

Zip Code: 32207

Owner/Authorized Representative Telephone Numbers

Telephone: 904-348-5579

Fax: 904-348-5534

Cell phone (optional): 904-234-5025

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Same

Facility Contact Mailing Address

Organization/Firm: Same

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone: Same

Fax:

Cell phone (optional):

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.

Signature

Date

1/24/11

Design Calculations

If this is an initial registration for a proposed new human crematory unit, provide design calculations to confirm a sufficient volume in the secondary chamber combustion zone to provide for at least a 1.0 second gas residence time at 1800 degrees F.

- ☐ Manufacturer's' design calculations attached.
- ☒ Registration is not for proposed new human crematory unit(s).

Description of Facility

Below, or as an attachment to this form, provide a description of all crematory operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

The incinerator is a B&L Cremation Systems, Inc., Model N20AA Human Crematory. The cremation rate is 150 lbs/hr with a body weight capacity of 500 pounds. The burner is natural gas fired with a maximum burner input rating of 1.5 mmBtu/hr and an afterburner maximum rating of 1.0 mmBtu/hr. The operation is fully automatic and the entire combustion process is completed within the air controlled chambers eliminating burning in the stack. The system constantly monitors the stack gases to prevent visible emissions. As a safety feature, the stack has a 3-inch refractory lined stack.

Translation | [Select Language](#) ▼

Home	Human Crematories	Pet Crematories	Incinerators	Crematory Services	Company Info
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N20AA Human Crematory[<-- Previous Human Crematory](#)[Next Human Crematory -->](#)

The B&L Cremation Systems, Inc. N20AA human crematory is our medium production system, with cremation times of 100 to 120 minutes

[Download Installation Manual](#)

Specification	U.S Standard	Metric System
Length:	150"	3.8m
Width:	66" (77" With Control Panel)	1.6m (00m with control panel)
Height:	96" (102" With Doorcap)	2.4m (00" With Doorcap)
Weight:	24,000 lbs.	10,886 Kg
Door Opening	40" W x 29" H	0.7m H x 1.0m W
Clean Out Door:	21.750" x 19.750"	
Gas Pressure:	Natural Gas 7" W.C. Propane Gas 11" W.C.	Natural Gas 1.7 kPa W.C. Propane 2.7 kPa W.C.
Power Requirements:	220V, Single Phase, 30 AMPS	
Cremation Rate:	150 lbs/hour	68 Kg/hour
Body Weight Capability:	500 lbs	226 Kg

Stack Height From Grade:	Minimum 18'	5.4m
Stack Sections:	30" O.D	0.7m O.D
Chamber Dimensions:	Length: 94"	2.3m
	Width: 40"	1.0m
	Height: 34.5"	0.8m
	75.0 Cubic Feet	1.84 Cubic Meters
Burner output:	Maximum Input Rating 1,500,000 BTU's per hour	Maximum Input Rating 1,582,500 KJ per hour
	Afterburner Maximum 1,000,000 BTU's per hour	Afterburner Maximum 1,055,000 KJ per hour
	(Full Modulation 100%)	(Full Modulation 100%)
	Ignition Burner 300,000 BTU's per hour	Ignition Burner 316,500 KJ per hour
	Cremation Burner 500,000 BTU's per hour	Cremation Burner 527,500 KJ per hour
Air Requirements:	Outside air inlet louvers in the room located at or below burner height, capable of passing 2,500 CFM of free air.	Outside air inlet louvers in the room located at or below burner height, capable of passing 1.173 Cubic meters per second.

Features to the above unit

FULLY AUTOMATIC CONTROL SEQUENCE. Operation is made simple by the fully automatic control sequence. A microprocessor temperature controller, with a digital readout, ensures optimum control while providing the lowest fuel consumption. Visual verification of each stage is provided on the control panel. Operator override is achieved at a turn of a switch for semi-manual control.

HOT HEARTH DESIGN. First introduced by B&L, this design allows for wasted afterburning heat to be recycled through the floor, eliminating fluid problems, lowering fuel consumption and extending the hearth life.

MULTI-CHAMBER AIR CONTROLLED DESIGN. The entire combustion process is completed within the air controlled chambers eliminating burning in the stack, allowing for 24 hour operation and providing for greater fuel efficiency over excess air designs.

POLLUTION MONITORING & CONTROL SYSTEM. This system constantly monitors the stack gases to prevent visible emissions. Integrated with the automatic system, this feature enables the unit to make all necessary adjustments automatically.

REFRACTORY LINED STACK. A three inch insulating liner is provided as a safety feature. While gases seldom exceed 1000°F, the liner reduces heat penetration under every condition, preventing the possibility of fire. A ten year warranty is offered on the stack liner.

LOW NOISE. The secondary combustion blower has been manufactured and installed to allow for low noise operation.

HYDRAULIC LOADING DOOR. Push button operated, this feature enables the operator to open the door to the desired height from the control panel, an important safety feature for busy installations, providing better fuel efficiency and longer refractory life.

STAINLESS STEEL FRONT.** More than just aesthetics. Stainless steel is easy to clean, while providing a professional finish to your equipment...an important feature when considering a viewing.

REMAINS REMOVAL SYSTEM.** A separate remains removal door, located on the side of the unit, is included to enable the operator to push the remains to the rear of the chamber, reducing heat loss and thermal shock as the loading door needs only to be opened 6" - 8" for removal. A stainless steel cooling pan is located on the outside of the unit to prevent fluid contamination.

© 2010 B&L Cremation Systems, Inc.
7205 114th Avenue North, Largo, Florida 33773
[Contact Us](#)
1-800-622-5411

11516-3 San Jose Blvd.
Jacksonville, Florida 32223

Phone: 904-268-8393
Fax: 904-268-8560
Cell: 904-219-3152
Email: george@whitmerenv.com

WHITMER ENVIRONMENTAL SERVICES, INC.

January 20, 2011

FDEP
Receipts
Attn: Dick Dibble
P. O. Box 3070
Tallahassee, FL 32315-3070

Subject: **Eternity Funeral Home and Crematory
Renewal of Permit No. 0310513-005-AG**

Dear Mr. Dibble:

Enclosed is the subject air general permit renewal application for Eternity Funeral Home and Crematory in Jacksonville. The renewal application includes a check for \$100.00 made out to FDEP as required by Rule 62-4(p)2, FAC, and a description of the incinerator that was obtained from the vendor's website.

Please call me at the phone number above or Mr. Rex Gill, CEO, Eternity Funeral Home and Crematory, at 904-348-5579, if you have any questions or desire additional information.

Sincerely,



George L. Whitmer

cc: Rex Gill, CEO, Eternity Funeral Home and Crematory

Enclosures



Rex D. Gill

Owner

4856 Oakdale Avenue
Jacksonville, FL 32207

904.348.5579

Fax 904.348.5534

email: rex.gill@eternityfh.com

WHITMER

ENVIRONMENTAL SERVICES

INC.

11516-3 San Jose Blvd
Jacksonville, Florida 32223



UNITED STATES POSTAGE
PITNEY BOWES
02 1P
\$000.61⁰
0002945002 JAN 24 2011
MAILED FROM ZIP CODE 32207



FDEP

Receipts

Attn: Dick Dibble

P. O. Box 3070

Tallahassee, FL 32315-3070