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FLORIDA DEPARTMENT OF
PROTECTION

2011 SEP -8 PM 3:19

ANIMAL CREMATORY
AIR GENERAL PERMIT
RE-REGISTRATION INFORMATION

DIVISION OF AIR
RESOURCE MANAGEMENT

FINANCIAL ACCOUNTING

Facility Identification Number (If known)

1030282-006-AG: For 2011 re-registration of this permit, expiring 10/15/2011, for one (1) animal crematory unit. (This facility also has collocated two (2) human crematory units under 1030282-007-AG, exp. 8/10/2013.)

Registration Type

1030282-008

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing permitted 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). 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. (See "Surrender of Existing Air Operation Permit(s)" below.)
- Operates an existing facility not currently permitted or using 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 Applicable

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

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.)

ANDERSON-MCQUEEN 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 complete registration must be submitted for each.)

St. Petersburg-B&L Animal Crematory

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

Street Address: 7820 38th Ave. North

City: St. Petersburg

County: Pinellas

Zip Code: 33710 - 1108

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

N/A

Facility Contact

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

Print Name and Title: **Mr. John T. McQueen, President/CEO**

Facility Contact Telephone Numbers

Telephone: **(727) 822-2059**

Fax: **(727) 345-8166**

Cell phone: _____

E-mail: _____

Facility Contact Mailing Address

Organization/Firm: **ANDERSON-MCQUEEN FUNERAL HOME**

Street Address: **2201 Dr. M.L. King Street North**

City: **St. Petersburg** County: **Pinellas**

Zip Code: **33704**

Other Contact/Representative (to serve as additional Department contact)

Name and Position Title

Print Name and Title: **Mr. Lynn Robinson, P.E., Permitting Manager**

Other Contact/Representative Telephone Numbers

Telephone: **(813) 752-5014**

Fax: **(813) 752-2475**

Cell phone: **(813) 957-8804**

E-mail: **lrobinson@sesfla.com**

Other Contact/Representative Representative Mailing Address

Organization/Firm: **Southern Environmental Sciences, Inc.**

Street Address: **1204 North Wheeler Street**

City: **Plant City**

County: **FL**

Zip Code: **33563**

Emission Unit Details

MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	RATED CAPACITY
<i>Animal unit* for GP renewal:</i>			
B&L Cremation Systems, Inc.	BLP 500*	925-708-06	150 lb/hr (500 lb/charge)
<i>Collocated Human units:</i>			
B&L Cremation Systems, Inc.	Phoenix II	349-132-97	150 lb/hr (1,000 lb/charge)
B&L Cremation Systems, Inc.	Phoenix II	635-418-02	150 lb/hr (1,000 lb/charge)

***Emissions are controlled by the afterburner, which maintains a minimum secondary chamber combustion zone temperature of 1600°F prior to and during combustion of material in the primary chamber. The secondary chamber is designed to ensure one-second residence time at a gas temperature of 1800°F, and is equipped with a continuous temperature monitor and recorder.**

Design Calculations

If this is an initial registration for a proposed new animal 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.

- Design calculations attached.
- Registration is not for proposed new animal crematory unit(s).

Helpful Definitions

“Animal Crematory” - Any combustion apparatus used solely for the cremation of animal remains.

“Biomedical Waste” - Any solid or liquid waste which may present a threat of infection to humans, including nonliquid-tissue, body parts, blood, blood products, and body fluids from humans and other primates; laboratory and veterinary wastes which contain human disease-causing agents; and discarded sharps. The following are also included:

1. Used absorbent materials saturated with blood, blood products, body fluids, or excretions or secretions contaminated with visible blood; and absorbent materials saturated with blood or blood products that have dried.
2. Non-absorbent, disposable devices that have been contaminated with blood, body fluids, or secretions or excretions visibly contaminated with blood, but have not been treated by a method listed in Section 381.0098, F.S., or a method approved pursuant to Rule 64E-16, F.A.C.

“Department” or “DEP” - The State of Florida Department of Environmental Protection.

“Emissions Unit” - Any part or activity of a facility that emits or has the potential to emit any air pollutant.

“Facility” - All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).

“Owner” or “Operator” - Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.

File W/1030282-008-AG

Dibble, Dickson

From: Lynn Robinson [lrobinson@sesfla.com]
Sent: Friday, September 23, 2011 10:55 AM
To: Dibble, Dickson
Cc: john.anders@andersonmcqueen.com
Subject: RE: Facility ID# 1030282, Anderson-McQueen Funeral Home, St. Petersburg
Attachments: BLP 500 specs.pdf

To: Dick Dibble, DEP Air General Permit Program, Tallahassee
Cc: John Anders, Anderson-McQueen Funeral Home, St. Petersburg, FL

Hello Dick,

Re: Model BLP 500 animal crematory unit:

1. Natural gas fuel is used.
2. Yes, it has a stack opacity monitoring system. See attached 2-page document from B & L Systems webpage which provides specifications and features of the BLP 500.

Email Address:

3. Company contact for air permitting documents & crematory operations: Mr. John Anders, Email: john.anders@andersonmcqueen.com

Thank you.

Lynn Robinson, P.E.

Permitting Manager
Southern Environmental Sciences, Inc.
1204 North Wheeler Street
Plant City, FL 33563
813 752 5014 Tel
Cell 813 957 8804
813 752 2475 Fax

From: Dibble, Dickson [<mailto:Dickson.Dibble@dep.state.fl.us>]
Sent: Friday, September 23, 2011 9:50 AM
To: 'Lynn Robinson'
Cc: Arif, Syed
Subject: Facility ID# 1030282, Anderson-McQueen Funeral Home, St. Petersburg

Good morning Lynn!

I am currently reviewing the **Animal Crematory AGP** renewal registration for the subject item facility and I am in need of some additional information in order to complete the review and processing.

- 1) What type of fuel is used in the cremation process, NG or LPG?
- 2) Does this unit have an opacity monitor?
- 3) Please provide the e-mail address of the facility since we are converting to all electronic communications.

Thank you for your cooperation and attention to this matter.

If you have any questions, comments or concerns please e-mail or call.

Thank you and have a great day!

Sincerely,

Dickson E. Dibble

Dickson E. Dibble, ES III

Air General Permit Program
FDEP Division of Air Resource Management
Office of Permitting & Compliance
Minerals & Metals Section
Tel. (850) 717-9071
FAX (850) 717-9001
GIC - #59571
Dickson.Dibble@dep.state.fl.us



Please note: Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail communications may therefore be subject to public disclosure

Please take a few minutes to share your comments on the service you received from the department by clicking on this link [DEP Customer Survey](#).

[Register to Purchase Cremation Equipment Online](#)

[Translation](#)

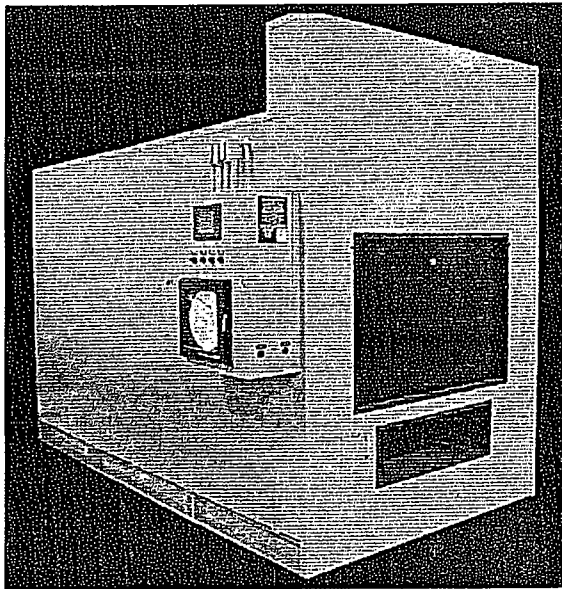
[Select Language](#) ▼

Home	Human Crematories	Pet Crematories	Incinerators	Crematory Services	Company Info
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BLP 500 Pet Crematory

[<-- Previous Pet Crematory](#)

[Next Pet Crematory -->](#)



The B&L Cremation Systems, Inc. BLP 500 pet & animal crematory is designed for medium Veterinary facilities, For individual cremation or a maximum load size of 500 lbs.

[Download Installation Manual](#)

Specification	U.S Standard	Metric System
Length:	132"	3.5m
Width:	66" (76" With Control Panel)	1.6m (1.9m With Control panel)
Height:	96" (101" With Doorcap)	2.4m (2.5m With Doorcap)
Weight:	19,000 lbs.	9,071 Kg
Door Opening:	40" W x 27 H"	1.01m W x 0.68m H
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, 60 Cycle, 30 AMPS & 110V, Single Phase 60 Cycle, 10 AMP	

Cremation Rate:	150 lbs/hour	68 Kg/hour
Body Weight	500 lbs	226 Kg
Capability:		
Stack Height From	Minimum 18'	5.4m
Grade:		
Stack Sections:	24" O.D	0.6m O.D
Chamber		
Dimensions:	Length: 77"	1.95m
	Width: 40"	1.01m
	Height: 32"	0.81m
	57 Cubic Feet	1.595295 Cubic Meters
Burner output:	Maximum Input Rating 1,500,000 BTU's per hour	1,582,583 KJ per hour
	Afterburner Maximum 1,000,000 BTU's per hour	1,055,055 KJ per hour
	Modulation Minimum 100,000 BTU's per hour	105,505 KJ per hour
	Cremation Burner 500,000 BTU's per hour	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.

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

Dibble, Dickson

From: Dibble, Dickson
Sent: Friday, September 23, 2011 9:50 AM
To: 'Lynn Robinson'
Cc: Arif, Syed
Subject: Facility ID# 1030282, Anderson-McQueen Funeral Home, St. Petersburg

Tracking:	Recipient	Delivery
	'Lynn Robinson'	
	Arif, Syed	Delivered: 9/23/2011 9:50 AM

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