

**HUMAN CREMATORIES
AIR GENERAL PERMIT REGISTRATION INFORMATION**

Facility Identification Number - If known (seven digit number)

1030282-009-AG

1030282-007-AG: This is the July 2013, 5-yr renewal of the Air General Permit for two (2) human crematory units which expires 08/10/2013. (This facility also has collocated one (1) animal crematory unit under Permit No. 1030282-008-AG which expires 10/09/2016).

Registration Type

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.
- 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):

N/A

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.)

Anderson-McQueen (Collocated Human/Animal Crematories)

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

Street Address: **7820 38th Ave. North**

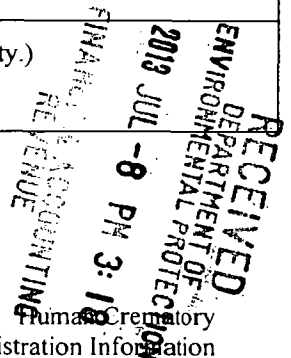
City: **St. Petersburg**

County: **Pinellas**

Zip Code: **33710**

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

N/A



1030282-007-AG (2 Human Crematory Units): Re-Registration, July 2013 – Anderson-McQueen

Facility Contact

<u>Name and Position Title</u> (Plant manager or person to be contacted regarding day-to-day operations at the facility.) Print Name and Title: Mr. John Anders, Crematory Operations Manager
<u>Facility Contact Telephone Numbers</u> Telephone: (727) 384-2810 Fax: (727) 343-1263 Cell phone: E-mail: john.anders@andersonmcqueen.com
<u>Facility Contact Mailing Address</u> Organization/Firm: Anderson-McQueen Funeral Home Mailing Address: 7820 38th Ave. North City: St. Petersburg County: Pinellas Zip Code: 33710

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

<u>Name and Position Title</u> Print Name and Title: Lynn Robinson, P.E., Permitting Manager
<u>Other Contact/Representative Telephone Numbers</u> Telephone: (813) 752-5014 Fax: (813) 752-2475 Cell phone: (813) 957-8804 E-mail: lrobinson@sesfla.com
<u>Other Contact/Representative Mailing Address</u> Organization/Firm: Southern Environmental Sciences, Inc. Mailing Address: 1204 North Wheeler Street City: Plant City County: Hillsborough Zip Code: 33563

Government Facility Code (check only one)

<input checked="" type="checkbox"/> Facility not owned or operated by a federal, state, or local government.
<input type="checkbox"/> Facility owned or operated by the federal government.
<input type="checkbox"/> Facility owned or operated by the state.
<input type="checkbox"/> Facility owned or operated by the county.
<input type="checkbox"/> Facility owned or operated by the municipality.
<input type="checkbox"/> Facility owned or operated by a water management district.

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1030282-007-AG (2 Human Crematory Units): Re-Registration, July 2013 – Anderson-McQueen

Emission Unit Details

MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	RATED CAPACITY
EU 001:			
B&L Cremation Systems, Inc.	Phoenix II	349-132-97	150 lb/hr
EU 002:			
B&L Cremation Systems, Inc.	Phoenix II	635-418-02	150 lb/hr

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.

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

Facility Fuel & Controls

This re-registration is for two (2) existing human crematory units. Each is a B&L Cremation Systems, Inc., Model "Phoenix II" human crematory incinerator.

Each crematory is designed to burn human remains at the average incineration rate of 150 pounds per hour. Each incinerator consists of primary and secondary (afterburner) chambers, each fired on natural gas or propane (LPG) with a maximum total design heat input rate of 1.35 MMBtu/hr (0.35 MMBtu/hr Primary chamber, 1.0 MMBtu/hr Secondary chamber).

Emissions of each unit are controlled by the afterburner, which maintains a minimum secondary chamber combustion zone temperature of 1600 degrees 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 degrees F, and is equipped with a continuous temperature monitor and recorder. The units are equipped stack opacity monitoring systems.

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 NEW JERSEY

Southern Environmental Sciences, Inc.

1204 North Wheeler Street □ Plant City, Florida 33563 □ (813) 752-5014, Fax (813) 752-2475

July 2013

If by Overnight Delivery (FedEx, etc.): Department of Environmental Protection Receipts 3800 Commonwealth Blvd. Mail Station 77 Tallahassee, FL 32399 Phone: (850) 717-9106	If by U.S. Postal Service, Certified Mail/return receipt requested: Department of Environmental Protection Receipts PO Box 3070 Tallahassee, FL 32315-3070
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DIVISION OF AIR
RESOURCE MANAGEMENT

FDEP Contact: Ms. Barbara Friday (Interim) Email: Barbara.Friday@dep.state.fl.us
Phone: (850) 717-9106

Re: Air General Permit Re-Registration for 2 Human Crematory Units
Current Permit No. 1030282-007-AG (expires: 08/10/2013)
Anderson-McQueen Funeral Home
Facility Location: 7820 38th Ave. North, St. Petersburg, FL 33710 Pinellas County
Phone: (727) 384-2810

Ladies & Gentlemen:

On behalf of Anderson-McQueen Funeral Home, Southern Environmental Sciences, Inc. (SES) is pleased to submit the enclosed Re-Registration information for the above referenced existing, previously permitted facility.

Also enclosed is a \$100.00 fee check payable to Florida Dept. of Environmental Protection.

If you have any questions concerning the permit application please contact me at office phone: (813) 752-5014 or email: lrobinson@sesfla.com.

Sincerely,

SOUTHERN ENVIRONMENTAL
SCIENCES, INC.

Lynn Robinson

Lynn Robinson, P.E.
Permitting Manager

Encl: Human Crematory Re-Registration Form for 1030282 and \$100.00 fee check

Cc: Mr. John Anders, Email: john.anders@andersonmcqueen.com

SES Project 13P149

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