

HUMAN CREMATORIES AIR GENERAL PERMIT REGISTRATION INFORMATION

Facility Identification Number - If known (seven digit number)

1270069-004-AG: This is the December 2012, 5-yr renewal for Human Crematory Air General Permit No. 1270069-004-AG, for two (2) retorts, which expires 01/19/2013. NOTE: This facility also has one (1) animal crematory unit currently permitted under 1270069-005-AG which expires 10/09/2013.

Registration Type

Check one:

127 0069-004

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.)

Volusia County Cremation Services, Inc. (formerly known as Lohman Pet Cemetery & Cremation)

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.)

Volusia Crematory

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

Street Address: **1425 Bellevue Ave.**

City: **Daytona Beach**

County: **Volusia**

Zip Code: **32114**

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

N/A

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1270069 – Re-Registration, December 2012

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: **Nancy Lohman, Vice President**

Facility Contact Telephone Numbers

Telephone: **(386) 615-1100**

Fax: **(386) 673-1140**

Cell phone: ()

E-mail: **nlohm@stonemor.com**

Facility Contact Mailing Address

Organization/Firm: **Lohman Offices**

Mailing Address: **725 W. Granada Blvd., Suite 48**

City: **Ormond Beach**

County: **Volusia**

Zip Code: **32174**

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

Name and Position Title

Print Name and Title: **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 Mailing Address

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)

- Facility not owned or operated by a federal, state, or local government.
- Facility owned or operated by the federal government.
- Facility owned or operated by the state.
- Facility owned or operated by the county.
- Facility owned or operated by the municipality.
- Facility owned or operated by a water management district.

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1270069 – Re-Registration, December 2012

Emission Unit Details

MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	RATED CAPACITY
EU 001:			
ALL Crematory (a Matthews company)	Elite 2500		150 lb/hr
EU 002:			
Matthews Cremation Group	IE43 Power-Pak II	0030194	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.

Unit 1 is an Industrial Equipment & Engineering IE43-Power Pack II designed to burn human remains at the average incineration rate of 150 pounds per hour. The incinerator consists of primary and secondary (afterburner) chamber, each fired exclusively on natural gas or liquid petroleum gas (LPG) with a maximum total design heat input rate of 1.5 mmBtu/hr. Emissions are controlled by the afterburner, which maintains a minimum secondary chamber combustion zone temperature of 1,600 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 1,800 degrees F, and is equipped with a continuous temperature monitor and recorder.

Unit 2 is an ALL Elite 2500 human crematory which is identical to an Industrial Equipment and Engineering IE43-Power Pack II human crematory. It is designed to burn human remains at the average incineration rate of 150 pounds per hour. The incinerator consists of primary and secondary (afterburner) chambers, fired exclusively on natural gas or LPG with a maximum total design input rate of 1.55 mmBtu/hr. Emissions are controlled by the afterburner, which maintains a minimum secondary chamber combustion zone temperature of 1,600 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 1,800 degrees F, and is equipped with a continuous temperature monitor and recorder.

Both units are equipped with opacity monitors that measure visible emissions in the stack and shut down the primary burner if excess emissions are encountered.

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Southern Environmental Sciences, Inc.

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

December 2012 Via Overnight Next Day Delivery

Florida Department of Environmental Protection
Receipts
3800 Commonwealth Blvd.
Mail Station 77
Tallahassee, FL 32399
Phone: (850) 921-9586

Re: Air General Permit Re-Registration for Two (2) Human Crematory Units
Current Permit No. 1270069-004-AG
Volusia County Cremation Services, Inc.
(formerly known as Lohman Pet Cemetery & Cremation)

Gentlemen:

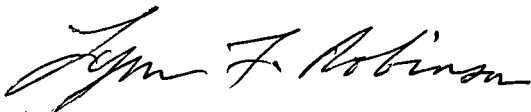
On behalf of Volusia County Cremation Services, Inc. (formerly known as Lohman Pet Cemetery & Cremation), Southern Environmental Sciences, Inc. (SES) is pleased to submit the enclosed Re-Registration information for the above referenced existing, previously permitted facility.

Also enclosed is the \$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 at: lrobinson@sesfla.com.

Sincerely,

SOUTHERN ENVIRONMENTAL
SCIENCES, INC.



Lynn Robinson, P.E.
Permitting Manager

Encl: Re-Registration Form for 1270069-004-AG and \$100.00 fee check

Cc: Nancy Lohman, Lohman Offices, 725 W. Granada Blvd., Suite 48,
Ormond Beach, FL 32174, Phone: (386) 615-1100, Email: nlohman@stonemor.com

SES Project 12P391

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