

F&A RECEIPT DATE 483948 JUN 16 2008

**ANIMAL CREMATORY
AIR GENERAL PERMIT REGISTRATION FORM**

RECEIVED
JUN 17 2008
Bureau of Air Management
& Mobile Sources

Part II. Notification to Permitting Office

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

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)

0530365-004

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): _____
 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.)
 Hernando County Animal Services

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.)
 Hernando County Anumial Services

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)
 Street Address: 19450 Oliver Street
 City: Brooksville County: Hernando Zip Code: 34601

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

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: Liana Teague, Animal Control Supervisor

Owner/Authorized Representative Mailing Address

Organization/Firm: Hernando County Animal Services

Street Address: 19450 Oliver Street

City: Brooksville

County: Hernando

Zip Code: 34601

Owner/Authorized Representative Telephone Numbers

Telephone: 352.540.6286

Fax: 352.796.3746

Cell phone (optional):

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:

Facility Contact Mailing Address

Organization/Firm:

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone:

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.

Liana Teague
Signature

6-12-08
Date

FOR ORIGINAL SIGNATURE PAGE SEE
ATTACHED 6/30/08 REGISTRATION FORM

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.

- Manufacturer's' design calculations attached.
- Registration is not for proposed new animal 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.

CRAWFORD MODEL C700P
ANIMAL CREMATORY
D.E.W.
7/2/08

THIS DOCUMENT CONTAINS THE RECEIVED ORIGINAL SIGNATURE

ANIMAL CREMATORY AIR GENERAL PERMIT REGISTRATION FORM

JUN 30 2008

Bureau of Air Monitoring & Mobile Sources

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City: Brooksville

County: Hernando

Zip Code: 34601

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N/A

Owner/Authorized Representative

<u>Name and Position Title:</u> (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.) Print Name and Title: Liana Teague, Animal Control Supervisor		
<u>Owner/Authorized Representative Mailing Address</u> Organization/Firm:Hernando County Animal Services Street Address:19450 Oliver Street City:Brooksville County:Hernando Zip Code:34601		
<u>Owner/Authorized Representative Telephone Numbers</u> Telephone:352.540.6286 Fax:352.796.3746 Cell phone (optional):		

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<u>Facility Contact Mailing Address</u> Organization/Firm: Street Address: City: County: Zip Code:		
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6/12/08
Date

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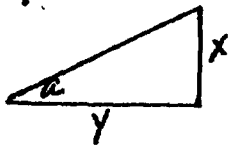
- Manufacturer's design calculations attached.
- Registration is not for proposed new animal crematory unit(s).

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CRAWFORD MODEL C700P
ANIMAL CREMATORY

D.C.D.
7/2/08



$$a = \tan^{-1} \frac{x}{y}$$

Air General # 05 30365-003-AG

EPA

VISIBLE EMISSION OBSERVATION FORM 1

Form Number Page 1 of 1
Continued on VEO Form Number

Method Used (Circle One)
Method 9 20SA 208B Other: _____

Company Name: Hernando County Animal Services
Facility Name: Hernando County Animal Services
Street Address: 91750 OAKR ST.
City: Brooksville State: FL Zip: 34601

1946

Process: Animal Cremation Unit #: 001 Operating Mode: 300 lb charge
Control Equipment: 2ND CHAMBER Operating Mode: > 1600°F

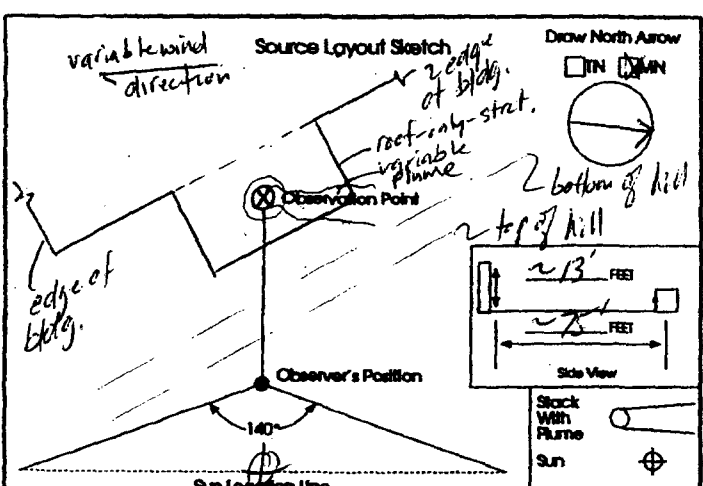
Describe Emission Point:
Black circular stack atop unit, penetrating roof-only-structure

Height of Emiss. Pt. Start: ~13' End:
Height of Emiss. Pt. Rel. to Observer Start: ~8' End:
Distance to Emiss. Pt. Start: ~75' End:
Direction to Emiss. Pt. (Degrees) Start: ~265° End:

Vertical Angle to Obs. Pt. Start: ~7.5° End:
Direction to Obs. Pt. (Degrees) Start: ~265° End:
Distance and Direction to Observation Point from Emission Point Start: ~1.5' up End:

Describe Emissions
Start: No VES @ start End: No VES @ end
Emission Color: No VES color Water Droplet Plume:
Attached: Detached: None:

Describe Plume Background
Start: sky/trees End:
Background Color: blue/gm abwn Sky Conditions: ~5% cloud cover
Start: 5% End:
Wind Speed: 0-2 mph End:
Wind Direction: variable End:
Ambient Temp: 85°F Wet Bulb Temp: ~57
End: 88°F



Longitude: 28° 31' 24.93" N Latitude: 82° 24' 17.12" W Declination: ± 3° W

Additional Information
 = same as Start, see attached Temp. Chart.
No objectionable odors noted, Emissions colors = gray
Description of emissions H. smoke like.

Sec	Time Zone: <u>Eastern</u>				Start Time: <u>1004 hrs</u>				End Time: <u>1104 hrs</u>			
	0	15	30	45	0	15	30	45	0	15	30	45
1	0	0	0	0	31	0	0	0	0			
2	0	0	0	0	32	0	0	0	0			
3	0	0	0	0	33	0	0	0	0			
4	0	0	0	0	34	5	5	0	0			
5	0	0	0	0	35	0	0	5	0			
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7	0	0	0	0	37	0	0	0	5			
8	0	0	0	0	38	0	0	0	0			
9	0	0	0	0	39	0	5	0	0			
10	0	0	0	0	40	0	0	0	0			
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25	0	0	0	0	55	0	0	0	0			
26	0	0	0	0	56	0	0	0	0			
27	0	0	0	0	57	0	0	0	0			
28	0	5	0	0	58	0	0	0	0			
29	0	0	0	0	59	0	0	0	0			
30	0	0	0	0	60	0	0	0	0			

Observer's Name (Print): Douglas Bauman
Observer's Signature: [Signature] Date: JUNE 2, 2008
Organization: General Environmental Engineering
Certified by: Whitlow Date: Jan 11, 2008



Whitlow Enterprises, LLC

www.smokeschool.net

Certifies that

Doug Bauman of General Environmental Engineering

Has passed the certification test required by 40 CFR 60Appendix A
and is qualified as a visible emissions evaluator

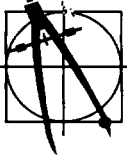
Certification Date: January 11, 2008

Location: Tampa, Fl

George Whitlow

President

TFL011108-27



**GENERAL
ENVIRONMENTAL
ENGINEERING, INC.**

June 11, 2008

Department of Environmental Protection
Air Resource Management
2600 Blair Stone Road
Tallahassee, Florida 32399

RECEIVED

JUN 30 2008

Attention: Dick Dibble,
Air Permit Engineer, Bureau of Air Monitoring
2600 Blair Stone Road

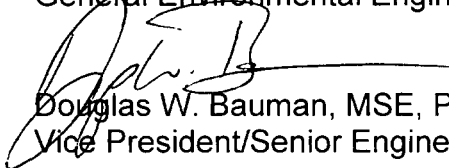
**RE: Animal Crematory Air General Permit Renewal
Crawford Model C700P Animal Crematory
Hernando County Animal Services (Facility ID# 0530365)
19450 Oliver Street
Brooksville, FL 34601**

Dear Mr. Dibble:

Please find enclosed a renewal Animal Crematory Air General Permit Notification (ACAGPN) for the above referenced facility. The existing Air General Permit No. is 0530365-003-AG. Included in the ACAGPN is the recent VE test conducted June 2, 2008. Also included is the processing fee check for \$100.00.

Should you have any question or need any additional information, please contact me at (407) 822-7655.

Respectfully submitted,
General Environmental Engineering, Inc.


Douglas W. Bauman, MSE, P.E.
Vice President/Senior Engineer

Enclosed:
Animal Crematory Air General Permit Renewal (1)
Processing Fee Check for \$100.00.

Sent US Certified Mail No. 7007 1490 0001 8594 7679

cc: Lisa Brown - Hernando County Animal Services
File

RECEIVED

JUN 30 2008

Bureau of Air Management
& Mobile Source

***Animal Crematory Air General Permit Renewal
(Existing Permit No. 0530365-003-AG)
Hernando County Animal Services
19450 Oliver Street
Brooksville, Florida 34601***

Date: June 11, 2008

***Prepared By:
General Environmental Engineering, Inc.
5305 Pineview Way
Apopka, Florida 32703
Phone: (407) 822-7655***

Application Contents

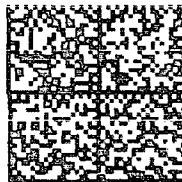
- Animal Crematory Air General Permit Notification
Part II. Permit Terms and Conditions
- Animal Crematory Air General Permit Notification
Part III. Notification of Intent to Use General Permit

Appendices

Appendix A Copy of Recent VE Test

KAREN NICOLAI

CLERK OF CIRCUIT COURT
HERNANDO COUNTY
20 NORTH MAIN STREET
BROOKSVILLE, FL 34601-2800



Hasler

016H26504986

\$00.590

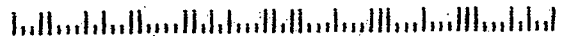
06/13/2008

Mailed From 34601

US POSTAGE

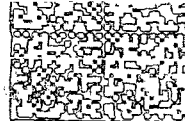
FDEP
Receipts
PO Box 3070
Tallahassee FL 32315-3070

323153070 B099





PLEASE P



Hasler

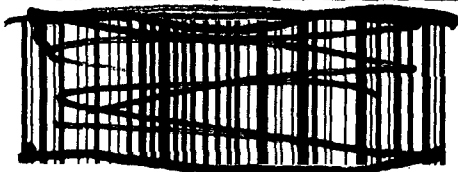
\$06.410
06/18/2008
Mailed From 34601
US POSTAGE



UNITED STATES POSTAL SERVICE

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

CERTIFIED MAIL™



7007 1490 0001 8594 7679

Additional country-specific prohibitions/restrictions may apply. See International Mail Manual (IMM) country pages for details.

CUSTOMS:

For international use affix customs declaration PS Form 2976.

HOW TO USE:



1. Complete Address Area

Type or Print required return address and addressee information in customer block area or on label.



2. Payment Method

Affix postage or meter strip to area indicated in upper right hand corner.

Flat Rate Mailing Envelope

For Domestic and International Use

Visit us at usps.com

From

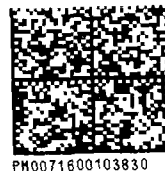


GENERAL ENVIRONMENTAL ENGINEERING, INC.
5305 PINEVIEW WAY
APOPKA, FL 32703

To:/Destinataire:

RETURN RECEIPT REQUESTED

Florida DEP
Air Resource Management
Attn: Dick Dibble
2600 Blair Stone Road
Tallahassee, FL 32399



U.S. POSTAGE
\$3.29
PM FR ENV
32714
Date of sale
06/27/08
02 1P00 APC
02312538



RETURNED FOR ADDITIONAL POSTAGE
NECESSARY IF MAILING CROSS
COUNTRY OR
PASTE STAMPS OVER IT.
3 29
POSTAGE USED