

RECEIVED

ANIMAL CREMATORY
AIR GENERAL PERMIT REGISTRATION FORM

APR 04 2011

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)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2011 APR - 1 AM 10: 33
FINANCE & ACCOUNTING
REVENUE

0050084-003

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.)

BAY COUNTY ANIMAL CONTROL

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.)

BAY COUNTY ANIMAL CONTROL SHELTER

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

Street Address: 6401 BAYLINE DR.

City: PANAMA CITY

County: BAY

Zip Code: 32404-4803

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

N/A

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.

SEE ATTACHED.

**BAY COUNTY ANIMAL CONTROL DIVISION
ANIMAL CREMATOR
FACILITY ID 0050084
DESCRIPTION OF FACILITY AND OPERATIONS**

The Bay County Animal Control Division cremator is an Incinerator Specialists Model ISI-60, multiple chamber natural gas-fired unit (2.25 MMbtu/hour). The cremator unit maintains a minimum secondary chamber temperature of 1,600 degree Fahrenheit, and a minimum gas residence time of one second at 1,800 degree Fahrenheit in the unit's secondary combustion chamber. The maximum incineration rate of the unit is 140 pounds per hour (or approximately 700 pounds per day). The maximum potential of operation is 24 hours per day (8,760 hours per year), although the actual usage is expected to be approximately 10 hours per day (3,650 hours per year). Maximum potential to emit for particulate matter (PM), carbon monoxide (CO), nitrogen oxides (NOx), sulfur dioxide (CO₂), and volatile organic compounds (VOC) are each expected to be less than 2 tons per year, based on the maximum permitted operation time of 8,760 hours per year. Discharge of visible emissions (VE) are expected not to exceed 5% opacity, although periodically visible emissions may increase not to exceed 20% opacity for a duration not exceeding 3 minutes per hours.

The cremator unit is equipped with a Future Design Control Model, DR 5000 continuous temperature monitor in the secondary combustion chamber to verify the secondary combustion chamber temperature of 1,600 degrees Fahrenheit is maintained during all cremation activities. No other control measures or equipment are used.

The Bay County Animal Control Division only cremates dead animals and animals remains. All dead animals and remains are generated from the activities and operation of the Bay County Animal Control Division. Plastic bags used for cremation are nonchlorinated and no less than 3 mils thick.

The animal cremator is the only air emission source at this facility.