



# ANIMAL CREMATORY



## COMPLIANCE INSPECTION CHECKLIST

**INSPECTION TYPE:** ANNUAL (INS1, INS2)  COMPLAINT/DISCOVERY (CI)   
 RE-INSPECTION (FUI)  ARMS COMPLAINT NO:

**AIRS ID#:** 0990300 **DATE:** 7-7-06 **ARRIVE:** 0935 **DEPART:** 1600  
**FACILITY NAME:** PALM BCH CO ANIMAL CARE AND CONTROL  
**FACILITY LOCATION:** 7100 BELVEDERE ROAD  
 WEST PALM BEACH 33411  
**RESPONSIBLE OFFICIAL:** DIANNE SAUVE **PHONE:** (561)233-1230  
**CONTACT NAME:** Ray Segasser, Building Maintenance Coordinator **PHONE:** (233)1224.00  
**REMITTANCE YEAR:** **ENTITLEMENT PERIOD:** 7/13/2006 / 7/13/2011  
(effective date) (end date)

**PART I: INSPECTION COMPLIANCE STATUS** (check  only one box)  
 IN COMPLIANCE  MINOR Non-COMPLIANCE  SIGNIFICANT Non-COMPLIANCE

**PART II: TESTING/RECORDKEEPING REQUIREMENTS – Rule 62-296.401, F.A.C.**  
 (check  appropriate box(es))

1. Were there any objectionable odor(s) detected?-----  Yes  No
2. Was a visible emissions test conducted during this site visit according to EPA Method 9 (Ref.: Chapter 62-297, F.A.C.)?-----  Yes  No
3. In order to demonstrate individual source compliance, was an annual visible emissions test conducted 60 days prior to the AGP Notification form submission, and within 60 days prior to each anniversary date? (Rule 62-296.401(6)(j), F.A.C.)-----  Yes  No
4. In order to demonstrate individual source compliance were the remaining applicable standards testing completed within 60 days prior to the AGP Notification form submission? (Rule 62-210.300(4), F.A.C.)  Yes  No
  - a) Carbon Monoxide (CO) emissions equal to or below the requirements of 100 parts per million by volume, dry basis, corrected to 7% O<sub>2</sub> on an hourly average basis and tested according to EPA Method 10 (Ref.: Chapter 62-297, F.A.C.)?-----  Yes  No
  - b) Oxygen test performed according to EPA Method 3 (Ref.: Chapter 62-297, F.A.C.)?-----  Yes  No
  - c) Particulate matter emissions test with results equal to or below the requirements of 0.080 grains per dry standard cubic foot (ft<sup>3</sup>) of flue gas, corrected to 7% O<sub>2</sub> and tested according to EPA Method 5 (Ref.: Chapter 62-297, F.A.C.)?-----  Yes  No
5. Was all emissions testing conducted with the source operating at the manufacturers recommended capacity?-----  Yes  No
6. Was CO & PM compliance demonstrated by submission of a test report for an identical crematory unit?  Yes  No
7. Was the Department notified at least 15 days prior to the date of the last formal compliance test?-----  Yes  No
8. Was the required test report filed with the Department as soon as practical, but no longer than 45 days after the test was completed?-----  Yes  No

**PART III: OPERATING/RECORDKEEPING REQUIREMENTS – Rule 62-296.401, F.A.C.**

(check  appropriate box(es))

1. Is there **Continuous Emissions Monitoring System (CEMS)** equipment installed on each unit to record temperatures in the primary and secondary chambers where there is a 1.0 second gas residence time in the secondary chamber combustion zone in accordance with the manufacturer's instructions?-----  Yes  No
  - a) Do temperature probes seem to be properly placed?-----  Yes  No
  - b) Are the following records kept on file, available for inspection for at least two years following the recording of such measurements, maintenance, reports and records?
    - 1) All measurements (including CEMS)-----  Yes  No
    - 2) Monitoring device-----  Yes  No
    - 3) Performance Testing Measurements -----  Yes  No
    - 4) CEMS Performance Evaluation-----  Yes  No
    - 5) All CEMS or monitoring device calibration checks-----  Yes  No
    - 6) Adjustments-----  Yes  No
    - 7) Preventive maintenance performed on systems/devices-----  Yes  No
    - 8) Corrective maintenance performed on systems/devices-----  Yes  No
2. Was this crematory unit constructed: **(check only one  box)**
  - a)  **BEFORE** August 30, 1989? **(If this box checked, continue on to #3 and skip #4)**
  - b)  **ON** or **AFTER** August 30, 1989? **(If this box checked, skip #3 and continue on to #4)**
3. If constructed **BEFORE** August 30, 1989 is the:
  - a) secondary chamber combustion zone providing at least a 1.0 second gas residence time @ **1600°F**?  Yes  No
  - b) actual operating temperature of the secondary chamber combustion zone no less than **1400°F** throughout the combustion process in the primary chamber?-----  Yes  No
  - c) cremation in the primary chamber begun after the secondary chamber combustion zone temperature is equal to or greater than **1400°F**?-----  Yes  No
  - d) required monitoring equipment installed and operational, and providing continuous monitoring to record the temperature at the point or beyond where 1.0 second gas residence time is obtained in the secondary chamber combustion zone according to the manufacturer's instructions?-----  Yes  No
4. If constructed **ON** or **AFTER** August 30, 1989 is the:
  - a) volume in the secondary combustion zone sufficient to provide at least a 1.0 second gas residence time @ **1800° F**?-----  Yes  No
  - b) the actual operating temperature of the secondary chamber combustion zone no less than **1600°F** throughout the combustion process in the primary chamber?-----  Yes  No
  - c) secondary chamber combustion zone temperature equal to or greater than **1600°F** before the cremation process begins in the primary chamber?-----  Yes  No
5. Are appropriate leak-proof containers containing no more than 0.5 % (percent) by weight chlorinated plastics used during the cremation of dead animals?-----  Yes  No
  - a) If the answer to question 4 above is YES, is certifying documentation from the manufacturer that they are composed of 0.5% or less by weight chlorinated plastics kept on file at the site for the duration of their use and for at least two years after their use?-----  Yes  No
  - b) If plastic bags are used for the cremation of animals are they non-chlorinated and no less than 3 mils thick?-----  Yes  No
  - c) Are dead animals, which have been used for medical or commercial experimentation, or other materials, including biomedical wastes (Rule 62-210.200, F.A.C.), incinerated at this location?-----  Yes  No
6. During this review period, was the largest batch load cremated 500 pounds per hour or less?-----  Yes  No
7. Have all crematory operators been trained and certified by a Department-approved training program?---  Yes  No
  - a) Are copies of the training certificates all crematory operators kept on file at the facility for the duration of the operator's employment & for an additional two years after termination of employment?-----  Yes  No

**PART IV: SPECIAL CONDITIONS AND PROCEDURES – Rule 62-296.401, F.A.C.**

**A. New or Modified Process Equipment**

1. Since the last inspection has there been
  - a) installation of any new process equipment?----- Yes No
  - b) alterations to existing process equipment without replacement?----- Yes No
  - c) replacement of existing equipment substantially different than that noted on the most recent notification form?----- Yes No
  - d) If you answered **YES** to any of the above, did the owner submit a new and complete notification form and appropriate fee (Rule 62-4.050, F.A.C.) to the appropriate DEP or local program office?----- Yes No
2. If a crematory unit has been modified to the extent that a Department air construction permit was required, have all operators been retrained to operate the modified unit?----- Yes No
3. In the case of new or modified equipment, where a Department air construction permit was required, has the owner submitted copies of all operator training certificates?----- Yes No
  - a) submitted within the 15 day required window following the training?----- Yes No

Stanley Ganthier

7-7-06

Inspector's Name (Please Print)

Date of Inspection

6-7-07

Inspector's Signature

Approximate Date of Next Inspection

**COMMENTS:** On 7-7-06, SG witnessed stack testing of the animal crematory at the PBC Animal Care and Control facility that was performed by South Florida Environmental Services (SFES). One probe was used to measure CO by Method 10 as well as O2 and CO2 by Method 3A. SFES used satisfactory calibration gases for the M10 and M3A analyzers. A second probe was used to measure PM by Method 5 that entailed isokinetic sampling of 16 points for 4 minutes at each point to yield a 64-minute test run. The first M5 test run failed the post-test leak check and was voided. The high stack temperature (737 - 1092 F) had burned the ferro near the M5 probe nozzle; therefore, a different M5 probe with stainless steel fittings was used for the next 3 test runs. SFES measured visible emissions by Method 9.

The facility had a Crawford Model C-1000 incinerator that used natural gas and had a capacity of 250 lb/hr. Each test run was conducted with a batch load > 90% capacity. The facility maintained good records of past incinerations. The circular temperature recording charts showed that the temperature of the secondary chamber was maintained > 1600 F during the combustion process in the primary chamber. Note that the temperature of the primary chamber was not monitored. The temperature of the secondary chamber recorded on the circular chart corresponded well with that shown on the digital display. The facility had 7 incinerator operators with training certificates. The manufacturer rebuilt the hearth floor in 1/06.

SG performed a 15-minute VE test during the 2nd valid M5 test run and did not detect any visible emissions.

On 6-12-06, DEP received the NOI to use the General Permit without compliance test data. The facility could not find test data for an identical unit in Florida, and the county's bidding procedures delayed the stack test. Nonetheless, DEP received a satisfactory test report that demonstrated compliance within 30 days after receiving the NOI.