



# HUMAN CREMATORY



## COMPLIANCE INSPECTION CHECKLIST

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

**AIRS ID#:** 0810180 **DATE:** 12/14/2009 **ARRIVE:** 9:32am **DEPART:** 12:35pm

**FACILITY NAME:** THE GOOD EARTH CREMATORY

**FACILITY LOCATION:** 501 17TH AVE W  
BRADENTON 34205

**OWNER/AUTHORIZED REPRESENTATIVE:** WILLIAM TOMPKINS **PHONE:** (941)748-7756

**CONTACT NAME:** \_\_\_\_\_ **PHONE:** \_\_\_\_\_

**ENTITLEMENT PERIOD:** 12/15/2008 / 12/15/2013  
(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(5)(i), 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 cremation containers containing no more than 0.5 % (percent) by weight chlorinated plastics used during the cremation of dead human bodies?-----  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) Are there any other materials, including biomedical wastes (Rule 62-210.200, FAC) incinerated at this location?-----  Yes  No
6. Have all crematory operators been trained and certified by a Department-approved training program?  Yes  No
  - a) Are copies of the training certificates for 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

Wendy D. Simmons

12/14/2009

Inspector's Name (Please Print)

Date of Inspection

12/14/2011

Inspector's Signature

Approximate Date of Next Inspection

**COMMENTS:** Pre-inspection Review: The last inspection conducted at this facility was on 12/31/2008 . This inspection included an onsite review of chart records from 12/26/2007 thru 12/30/2008. Since potential violations were found on the chart records reviewed in the field, Inspector Simmons requested copies of additional chart records. Mr. William Tompkins provided the Department a CD containing scanned copies of chart records from 06/02/2007 thru 12/31/2007. Potential violations were also noted in these charts. A Field Warning Notice (FWN) was not issued in the field because potential violations were not confirmed until after chart records were reviewed back at the DEP office. Therefore, a Field Warning Notice should be issued for the potential violations discovered after 01/07/2009 chart CD submittal. Annual Visible Emissions Testing is scheduled to be conducted on this day at 9:00am. Inspection Findings: A review of maintenance records at this facility indicated the following service information and potential non-compliance issues:

- \* Notes on 12/30/2008 maintenance records indicate 10 min. smoke noted at 17:40.
- \* Facility had a thermocouple replaced due to failure on 2/23/09.
- \* On May 6, 2009, B & L replaced the blower motor.
- \* On July 9, 2009 replaced thermocouple unit, again.
- \* On Aug 5, 2009, 140 lb. female 10 min. smoke noted.
- \* On Aug. 13, 2009, 250 lb. female last cremation of day--15 min. smoke noted, not reported to Department.
- \* On 9/10/2009 blower failure after cremation was complete... reset blower and continued final cremations of the day.
- \* On 9/14/09, B&L conducted calibration service on The Good Earth's cremation unit.
- \* On 9/17/09 during the 1<sup>st</sup> cremation of a 390lb. male light smoke was noted for 5 min. at 13:35.
- \* On 9/24/09 B & L serviced unit, again.
- \* On Nov. 30, 2009, the units blower motor was rewired.

Copies of chart records and maintenance records were provided upon request. Issued FWN for Florida Anatomical Board cadaver cremations and temperature issues. After reviewing chart records, it was revealed that the facility had other potential non-compliant issues that were not reported to the Department. Measurements were taken to confirm correct location of thermocouple unit. Testing was conducted from 9:30am to 10:30am on this date the report for this testing was received by the Department on 12/16/2009. Mr. Tompkins requested that I try to find out how he should dispose of titanium parts from knee replacements and etc. I contacted Mr. Bob Sellers with the Solid Waste Department of SWD DEP who stated Mr. Tompkins should recycle those items. I contacted Mr. Tompkins to provided the information from Mr. Sellers, check on MSDS sheets requested during this inspection, and let him know I would be sending another FWN for potential violations not included in previous FWN. On 01/05/2010 I sent FWN via fax to Mr. Tompkins.