HUMAN CREMATORY

COMPLIANCE INSPECTION CHECKLIST

Environmental Compliance

INSPECTION TYPE: ANNUAL (INS1, INS2) ☒ COMPLAINT/DISCOVERY (CI) ☐

RE-INSPECTION (FUI) ☐ ARMS COMPLAINT NO:

AIRS ID#: 0951289 **DATE:** 8/13/2009 **ARRIVE:** 9:40 AM **DEPART:** 11:30 AM

FACILITY NAME: A COMMUNITY FUNERAL HOME & SUNSET CREMATION

FACILITY LOCATION: 910 W MICHIGAN ST

ORLANDO 32805-5404

OWNER/AUTHORIZED REPRESENTATIVE: Scott Hora **PHONE:** (407)841-4424

CONTACT NAME: Sara Bick **PHONE:** (407)841-4454

ENTITLEMENT PERIOD: 11/17/2006 (effective date) / 11/17/2011 (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_2 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^3)of flue gas, corrected to 7% O_2 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

Ilka Bundy	8/13/2009
Inspector's Name (Please Print)	Date of Inspection
	8/13/2010
Inspector's Signature	Approximate Date of Next Inspection

COMMENTS: This facility uses a Matthews IEE Power Pak II human cremation unit. This cremation unit is approximately 3 years old and is equipped with an opacity monitor, as required by Rule 62-296.401(5)(i). Scott Hora, Funeral Director, and Sarah Bick, Assistant, were both present during the compliance test. Kenneth Alles from Arlington Environmental Services, Inc. was the consultant conducting the visible emissions compliance test. Ilka Bundy audited the compliance test. The unit was charged with a 180 pound body. The temperature was verified to be 1749° F from the M-Pyre digital read-out. The strip chart had a temperature of 1750° F. Scott Hora does the daily, weekly, and monthly maintenance on the cremation unit. Records are kept on file for review. The observed opacity was zero percent. At the end of the observation, both the consultant and Ilka Bundy noted some puffs coming out of the stack. The puffs appeared to be condensation and was dettached from the heat plume. The inspector told Scott Hora to have the manufacturer come out and perform annual maintenance on the machine, if needed. Scott Hora allowed the inspectors, Ilka Bundy, Bill Rhodes, and John Kasper to visit the facility on 8/27/2009. The inspectors connected a Fluke 85 meter to the thermocouple to measure millivolts. The temperature on the digital and strip chart recorder appeared to be off by 70° F. However, a reference junction was not available to correct the temperature reading. The inspectors will return to the facility once the Fluke 714 Process Calibrator arrives at EPD from Grainger. The thermocouple will be retested at a future date. For now, the facility appears to be in compliance with their permit requirements.