



HUMAN CREMATORY COMPLIANCE INSPECTION CHECKLIST



Environmental Compliance

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

Facility: Veterans Funeral Care, District: Southwest, Address: 15381 Roosevelt Boulevard, Clearwater, FL, Contact Phone: 727-467-0922, ARMS NO: 1030512 001, PERMIT NO: 1030512-002-AG, Expiration Date: 10/9/2011, Renewal Date: 9/9/2011, Test Date: 11/19/2000

EMISSION UNIT DESCRIPTION: Model IEE Power-Pak II. Maximum capacity of 750 pounds, loads greater than 300 pounds requires special operating procedures. Secondary (afterburner) chamber has a minimum temperature of 1600 degrees F. Training by Grove Scientific/Luis Llorens

INSPECTION DATE: 7/12/11, INSPECTION COMPLIANCE STATUS (check [ ] only one box) [X] In Compliance; [ ] Minor Non-Compliance; [ ] Significant Non-Compliance

PART I: General Review:

- 1. Permit File Review [X] Yes [ ] No
2. Introduction and Entry [X] Yes [ ] No
Comments: I met with Blair Kriever who provided the necessary documents and answered my questions.
3. Is the Authorized Representative still James Rudolph? [X] Yes [ ] No
Comments:
4. Is the facility contact still James Rudolph? [X] Yes [ ] No
Comments:
5. If the answer to 3 or 4 is "No", did the facility provide an administrative update within 30 days? [ ] Yes [X] No [62-210.310(2)(d), F.A.C.]

PART II: TESTING REQUIREMENTS - Rule 62-296. 401(5), F.A.C.

(check [ ] appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

Compliance Demonstration [62-296.401(5)(h), F.A.C.]

- 1. [ ] New Facility / [ ] New Process Equipment- Did this facility demonstrate initial compliance no later than 30 days after beginning operation? [ ] Yes [X] No
2. [X] Existing Facilities Was an annual visible emissions compliance test conducted on each crematory unit for each calendar year: [X] Yes [ ] No
Test Reports
1. Does the submitted visible emission test(s) demonstrate compliance with the 5 percent opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes in any one-hour period? [62-296.401(5)(b)1., F.A.C.] [X] Yes [ ] No
The last visible emission test resulted in an opacity of 0% for the highest six minute average.
2. Was the test conducted with the unit operating at a capacity of one (1) adult-sized cadaver? [62-296.401(5)(g)] [X] Yes [ ] No
3. Was the department notified at least 15 days prior to the test? [62-297.310(4)(a)9. F.A.C.] [X] Yes [ ] No
4. Was the required test report filed with the department as soon as practical, but no later than 45 days after the test was completed? [62-297.310(8)(b) [X] Yes [ ] No
5. Was the facility visible emissions test(s) conducted according to EPA Method 9? [62-297.401(9)(c), F.A.C.] [X] Yes [ ] No

**PART II: TESTING REQUIREMENTS – Rule 62-296. 401(5), F.A.C.**  
 (check  appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

6. Was a visible emissions test(s) conducted by the inspector during this site visit according to EPA Method 9?-----  Yes  No  
 a) The visible emission test resulted in an opacity of \_\_\_\_\_% for the highest six minute average.  
 b) Did the test indicate the facility is operating in compliance with the opacity standard? -----  Yes  No
7. Is there any reason to ask for a special test to determine compliance with the PM and CO standards? -----  Yes  No

**PART III: OPERATING/RECORDKEEPING REQUIREMENTS**  
 (check  appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

1. Were there any objectionable odor(s) detected? -----  Yes  No  
 An upwind/downwind survey of the facility was conducted. The observed parameters were:  
 Downwind odor level detected- 0; Wind direction - calm Upwind odor level detected- 0 (1-10)
2. **Continuous Monitoring System** – [62-296.401(5)(i), F.A.C.]
- a) Is a continuous temperature monitoring system installed on each unit to record temperatures in the secondary chamber in accordance with the manufacturer’s instructions? -----  Yes  No
- b) Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence time at  1,800<sup>1</sup>  1,600<sup>2</sup> degrees was determined? -----  Yes  No
- c) 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 temperature measurements -----  Yes  No
- 2) All continuous monitoring systems, monitoring devices, and performance testing measurements; monitoring system all continuous performance evaluations -----  Yes  No
- 3) All CEMS or monitoring device calibration checks (last performed on 11/19/09) -----  Yes  No
- 4) Adjustments -----  Yes  No
- 5) Preventive maintenance performed on systems/devices -----  Yes  No
- 6) Corrective maintenance performed on systems/devices -----  Yes  No
- 7) Are the temperature charts properly documented with operator name, operator indication of when cremation in the primary chamber was begun, date, time, and temperature markings -----  Yes  No
- 8) Are all the above records available for at least 2 years? -----  Yes  No
- a) Date range for records reviewed: From: July 1, 2010 To: July 11, 2011
- 9) Was the crematory unit installed after 2/1/07? If yes, go to 9) a) – c)-----  Yes  No
- a) Is the crematory unit equipped and operated with a pollutant monitoring system to automatically control combustion based on continuous in-stack opacity measurement? -----  Yes  No
- b) Is the system calibrated to restrict combustion in the primary chamber whenever any opacity exceeds 15% opacity? -----  Yes  No
- c) Has the opacity measurement system been cleaned and checked for proper operation in accordance with the manufacturer’s recommended maintenance schedule? -----  Yes  No

1 – Application received on or after 8/30/89; 2 – Application received prior to 8/30/89

3. Was this crematory unit application to construct: [62-296.401(5)(c), F.A.C.] (check only one  box)
- a)  **BEFORE** August 30, 1989? (If this box checked, continue on to #4 and skip #5)
- b)  **ON** or **AFTER** August 30, 1989? (If this box checked, skip #4 and continue on to #5)
4. If the application to construct was **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
5. If the application to construct **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) 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

**PART III: OPERATING/RECORDKEEPING REQUIREMENTS**

(check  appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

6. Are appropriate cremation containers containing no more than 0.5 % (percent) by weight chlorinated plastics used during the cremation of dead human bodies, as demonstrated by MSD sheet? -----  Yes  No  
[62-296.401(5)(d), F.A.C.]
- a) If the answer to question 6 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

**PART IV: Equipment Maintenance**

(check  appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

**Equipment Maintenance:** – [62-296.401(5)(e), F.A.C.]

1. Is the crematory unit maintained in accordance with the manufacturer’s specifications? -----  Yes  No
2. Are there maintenance/repair/adjustment records kept onsite for at least 2 years? -----  Yes  No
3. Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction? -----  Yes  No
4. Does the crematory allow for a visible check on the flame characteristics?-----  Yes  No  
If yes go to a) – b)
- a) Was the flame characteristic visually checked at least once during each operating shift?-----  Yes  No
- b) Was the flame adjusted when necessary? -----  Yes  No

**PART V: Special Conditions And Procedures**

(check  appropriate box(es), if a shaded box is checked, this would indicate noncompliance)

**Administrative Changes:**

1. Were there any change in the name, address, or phone number of the facility or authorized representative not associated with a change in ownership or with a physical relocation of the facility or any emissions units or operations comprising the facility; or any other similar minor administrative change at the facility -----  Yes  No
2. If yes, did the facility provide written notification within 30 days of the change? [62-210.310(2)(d), F.A.C.] -----  Yes  No

**Permit Effective Period** – [62-210.310(3)(a), F.A.C.]

1. Is the general permit for this facility still within the 5 year effective period? -----  Yes  No
2. Did the facility submit the new re-registration form at least 30 days prior to permit expiration? -----  Yes  No

**New or Modified Process Equipment or Change in Ownership** - [62-210.310 (2)(b)2, F.A.C]

- C.. Since the last registration form submittal 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 with equipment that is substantially different? -----  Yes  No
- d) A change in ownership? -----  Yes  No
- If the any of the answers to 1a) – 1d) is **Yes** to any, a new registration form and appropriate fee should have been submitted 30 days prior to the change.-----  Yes  No

**Noncompliance Notice:** - [62-210.310(3)(i), F.A.C.]

1. Did the facility have any instances where they were unable comply with or will be unable to comply with any condition or limitation of the air general permit? -----  Yes  No
- If the answer is **Yes**, proceed to a) and b).
- a) Did the owner or operator provide immediate notification to the Department? -----  Yes  No
- b) Did the notification include:
1. A description of and cause of noncompliance?-----  Yes  No
2. Dates and times of noncompliance; or if not corrected, the anticipated time noncompliance is expected to continue and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance? -----  Yes  No

**PART VI: Comments**

All of the temperature charts were very well documented. All non-compliance instances were documented and had a corresponding Fax notifying AQ of the occurrence. The unit was cooling down, so a visible emissions test could not be performed. There were no odors present around the facility.

*Exit Interview: I informed Mr. Kriever that the facility appears to be in compliance at this time. I told him the charts, logs, and other forms were very well organized and maintained.*

Shannon Ransom

**Inspector's Name**

7/12/11

**Date of Inspection**

**Inspector's Signature**

~ 7/2012

**Approximate Date of Next Inspection**

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