



HUMAN CREMATORY



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 1050398	DATE: <u>09/20/2012</u>	ARRIVE: <u>9:19 am</u>	DEPART: <u>12:35pm</u>
FACILITY NAME: LAKELAND FUNERAL HOME CREMATORY			
FACILITY LOCATION: 2125 BARTOW RD LAKELAND 33801-6575			
OWNER/AUTHORIZED REPRESENTATIVE: CHUCK HORVATH Email: chuck.horvath@carriageservices.com		PHONE: (863)686-2125 Mobile: (863)259-0400	
CONTACT NAME: KELLY LYON Email: kelly.lyon@carriageservices.com		PHONE: (863)686-2125 Mobile: (863)669-8383	
ENTITLEMENT PERIOD: 4/25/2010 / 4/25/2015 (effective date) (end date)			

Facility Section

PART I: INSPECTION COMPLIANCE STATUS (check only one box)

IN COMPLIANCE MINOR Non-COMPLIANCE SIGNIFICANT Non-COMPLIANCE

PART II: ONSITE INTRODUCTORY MEETING (check only one box for each question)

1. Name(s) of facility representative(s): Mr. Ronnie Hicks

Brief Notes: Mr. Hicks is the primary cremation unit operator at the facility.

2. Is the Authorized Representative still CHUCK HORVATH? ----- Yes ..No
 If no, who is?: Jason Higginbotham

If different, did the facility provide an administrative update within 30 days? ----- Yes ..No

3. Is the facility contact still KELLY LYON? ----- Yes ..No
 If no, who is?: _____

4. Will facility be conducting VE test(s) during today's inspection? ----- Yes ..No
 If yes, was the compliance authority notified at least 15 days in advance? ----- Yes ..No

Emissions Unit Section

2 – Human Crematory-multi-chmbr,LPfired,200#/hrTemp/opac.mon/rec

PART I: FILE REVIEW PRIOR TO INSPECTION

(check [X] only one box for each question)

- 1. a. Complete AC application or, if no AC permit, initial GP registration received on or after August 30, 1989? [X] Yes []..No
b. If yes, were design calculations provided then 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 Fahrenheit? [X] Yes []..No
2. Crematory unit installed after February 1, 2007? [X] Yes []..No
3. Date of last inspection: 12/30/2011
4. Past Visible Emissions (VE) tests:
a. Was a VE test performed within each of the past 4 calendar years? [X] Yes []..No
b. Has a VE test been performed yet within the current calendar year? [] Yes [X]..No
c. If first year of operation, was a VE test performed within 30 days of commencing operation? [X] N/A [] Yes []..No
d. Date of last VE test: 08/22/2011
e. Was the VE test report filed with the compliance authority no later than 45 days after the test? [X] Yes []..No
f. Did the facility demonstrate compliance during the last VE test? [X] Yes []..No
If no, what was the problem (if known)?

PART II: VISIBLE EMISSIONS TESTING

(check [X] only one box for each question)

- 1. Was a visible emissions test conducted by the facility for this unit during this site visit? [X] Yes []..No
a. Was the test conducted with the unit operating at a capacity of one adult-sized cadaver? [X] Yes []..No
b. Was the visible emissions test conducted according to EPA Method 9? [X] Yes []..No
c. The visible emission test resulted in an opacity of 0 % for the highest six minute average.
d. Did the visible emission test demonstrate compliance with the limit? [X] Yes []..No
(5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes in any one-hour)
2. Was a visible emissions test conducted by the inspector during this site visit? [] Yes [X]..No
a. Was the test conducted with the unit operating at a capacity of one (1) adult-sized cadaver? [] Yes [X]..No
b. Was the visible emissions test conducted according to EPA Method 9? [] Yes []..No
c. The visible emission test resulted in an opacity of % for the highest six minute average.
d. Did the visible emission test demonstrate compliance with the limit? [] Yes []..No
3. Is there any reason to ask for a special test to determine compliance with the PM and CO standards? [] Yes [X]..No
If yes, what reason?

PART III: MONITORING/RECORDKEEPING REQUIREMENTS

(check [X] only one box for each question)

- 1. Were there any objectionable odors detected? [] Yes [X]..No
An upwind/downwind survey of the facility was conducted. The observed parameters were:
Downwind odor level detected- 0 Wind direction - Upwind odor level detected-0 (1-10)
2. Continuous Monitoring Systems –
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? [X] Yes []..No
b Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence time at [] 1,800¹ [] 1,600² degrees was determined? [] Yes []..No
See Comments below
(Application or initial notification: ¹ received on or after 8/30/89; ² received before 8/30/89)

PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)

- c. Are the following records kept on file, available for inspection, for at least the past two years?
- 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 ()) ----- Yes ..No
 - 4) Adjustments ----- Yes ..No
 - 5) Preventive maintenance performed on systems/devices ----- Yes ..No
 - 6) Corrective maintenance performed on systems/devices ----- Yes ..No
- d. 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
- e. Was the crematory unit installed after **2/1/07**? If no, skip e.(1) – (3) ----- Yes ..No
- (1) 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
 - (2) Is the system calibrated to restrict combustion in the primary chamber whenever any opacity exceeds 15% opacity ? ----- Yes ..No
 - (3) Has the opacity measurement system been cleaned and checked for proper operation in accordance with the manufacturer’s recommended maintenance schedule? ----- Yes ..No

PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES

(check only one box for each question)

1. If the application to construct was **BEFORE** August 30, 1989 is the:
- a. actual operating temperature of the secondary chamber combustion zone no less than **1400°F** throughout the combustion process in the primary chamber? ----- Yes ..No
 - b. secondary chamber combustion zone temperature equal to or greater than **1400°F** before the cremation process begins in the primary chamber? ----- Yes ..No
2. If the application to construct **ON** or **AFTER** August 30, 1989 is the:
- a. 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
 - b. secondary chamber combustion zone temperature equal to or greater than **1600°F** before the cremation process begins in the primary chamber? ----- Yes ..No

PART V: ALLOWED MATERIALS

(check only one box for each question)

1. *Other than* human or fetal remains with appropriate containers or clothing, are any materials, including biomedical wastes, incinerated in the unit? ----- Yes ..No
2. Do cremation containers contain no more than 0.5 % (percent) by weight chlorinated plastics as certified by the manufacturer? ----- Yes ..No
- If yes, is the certifying documentation from the manufacturer kept on file for at least 2 years from use? Yes ..No

PART VI: EQUIPMENT MAINTENANCE

(check only one box for each question)

- 1. Is the crematory unit maintained in accordance with the manufacturer's specifications? ----- Yes ..No
- 2. Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction? ----- Yes ..No
- 3. Does the crematory allow for a visible check on the flame characteristics? ----- Yes ..No
 If no, skip 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 VII: EU INSPECTION COMPLIANCE STATUS (check only one box)

- IN COMPLIANCE
- MINOR Non-COMPLIANCE
- SIGNIFICANT Non-COMPLIANCE

Facility Section (continued)

SPECIAL CONDITIONS AND PROCEDURES

(check only one box for each question)

Administrative Changes:

- 1. Were there any changes 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? ----- Yes ..No

New or Modified Process Equipment or Change in Ownership:

- 3. Since the last registration form submittal has there been ----- Yes ..No
 - 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 answer to 3a. – d. is Yes , was a new registration form and the appropriate fee submitted 30 days prior to the change? ----- Yes ..No

Wendy D. Akins

09/04/2012

Inspector's Name (Please Print)

Date of Inspection

09/01/2017

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: Facility scheduled test for Sept. 4, 2012, but consulting firm failed to cancel the testing. Cremation Tort operator, Mr. Ronnie Hicks, stated the VE Testing was supposed to be last Friday, but Mr. Dean Meyers did not show up. I committed to conducting an inspection when the facility reschedules their VE Testing. VE Testing was rescheduled for Sept. 20, 2012. Upon arrival, I was escorted to the area where the cremation unit was located. Cremation unit started warming up at 10:00am. Cremation in the primary chamber began at approximately 10:20am. According to Mr. Hicks, Mr. Horvath is no longer the Authorized Representative (AR) at this facility, the new AR is Mr. Jason Higginbotham. Mr. Hicks stated the facility let Mr. Horvath go approximately 4 months ago. I spoke with Mr. Higginbotham and explained that he could use the new AGPERS system to update the Department's information and committed to sending a link to the website upon my return to the office. I reviewed Standard Operating Procedures documents and Manufacturers operating instructions which are kept in a binder in Mr. Hicks office. I

reviewed maintenace records and found that on June 16, 2012, Universal Crematory Company (UCC) conducted maintenance on the unit. They checked the refractory on hearth floor, tha gas connections, and gas settings. An annual performance test was conducted by UCC on February 20, 2011. Additional maintenance was conducted on May 20, 2011. UCC adjusted gas to air ratio rate to prevent flame outs. Blower motor is checked annually and was last done by UCC in July 2012. I conducted a spot check of chart records from February 2011 thru September 2012. I was not able to determine if the cremation unit's thermocouple was correctly placed during this inspection because the cremation unit is placed in an area which does not make it possible to check the thermocouple while it is operating. At 3:59 pm on 09/20/2012, I sent a follow-up email providing AGPERS website to Mr. Ronnie Hicks. On 10/09/2012 the SW District received confirmation from AGPERS that the Administrative Correction had been completed. The AGPERS Administrative correction addresses the failure to notify the Department of the change in Authorized Representative. Therefore, this MNC will be resolve with a compliance without enforment. The facility is now back in compliance with the requirements of their General Permit Entitlement. Photos were not taken during this site visit.