



HUMAN CREMATORY



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) ^{INS3} COMPLAINT/DISCOVERY (CI)
 RE-INSPECTION (FUI) ARMS COMPLAINT NO: _____

AIRS ID#: 0090054 DATE: 1-12-11 ARRIVE: 8:25 am DEPART: 9:20

FACILITY NAME: ATLAS CREMATORY

FACILITY LOCATION: 2111 SOUTH U S HWY 1
ROCKLEDGE 32814

OWNER/AUTHORIZED REPRESENTATIVE: CHARLES SIKES PHONE: (321)636-4275
 Email: _____ Mobile: _____
 CONTACT NAME: David Reid - Operator PHONE: _____
 Email: atlascrematory@yahoo.com Mobile: _____
 ENTITLEMENT PERIOD: 10/21/2007 / 1/21/2012
 (effective date) (end date) fax 321-690-0170

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): David Reid

Brief Notes: Only one unit operational; other unit being replaced.

2. Is the Authorized Representative still CHARLES SIKES? ----- Yes ..No
 If no, who is?: Or William Pickens

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

3. Is the facility contact still ? ----- 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 - CREMATORY - 003 Newer Unit

PART I: FILE REVIEW PRIOR TO INSPECTION

- 1. a. Complete AC application or, if no AC permit, initial GP registration received on or after August 30, 1989? ----- 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? ----- Yes ..No
- 2. Crematory unit installed after February 1, 2007? ----- Yes ..No
- 3. Date of last inspection: **3-26-10**
- 4. Past Visible Emissions (VE) tests:
 - a. Was a VE test performed within each of the past 4 calendar years? ----- Yes ..No
 - b. Has a VE test been performed yet within the current calendar year? ----- Yes ..No
 - c. If first year of operation, was a VE test performed within 30 days of commencing operation? ----- N/A Yes ..No
 - d. Date of last VE test: _____
 - e. Was the VE test report filed with the compliance authority no later than 45 days after the test? ----- Yes ..No
 - f. Did the facility demonstrate compliance during the last VE test? ----- Yes ..No

If no, what was the problem (if known)? _____

PART II: VISIBLE EMISSIONS TESTING

- 1. Was a visible emissions test conducted by the facility for this unit during this site visit? ----- Yes ..No
 - a. Was the test conducted with the unit operating at a capacity of one adult-sized cadaver? ----- Yes ..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 **0** % for the highest six minute average.
 - d. Did the visible emission test demonstrate compliance with the limit? ----- 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 ..No
 - a. Was the test conducted with the unit operating at a capacity of one (1) adult-sized cadaver? ----- Yes ..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 ..No
If yes, what reason? _____

PART III: MONITORING/RECORDKEEPING REQUIREMENTS

- 1. Were there any objectionable odors detected? ----- Yes ..No
An upwind/downwind survey of the facility was conducted. The observed parameters were:
Downwind odor level detected- _____ Wind direction - _____ Upwind odor level detected- _____ (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? ----- 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
(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 10-25-10) ----- 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

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

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

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

Emissions Unit Section
3 - Human Crematory Unit #2 -002 Not Operational

PART I: FILE REVIEW PRIOR TO INSPECTION

(check 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? ----- 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? ----- Yes No
2. Crematory unit installed after February 1, 2007? ----- Yes No
3. Date of last inspection: 2/5/10
4. Past Visible Emissions (VE) tests:
 - a. Was a VE test performed within each of the past 4 calendar years? ----- Yes No
 - b. Has a VE test been performed yet within the current calendar year? ----- Yes No
 - c. If first year of operation, was a VE test performed within 30 days of commencing operation? ----- N/A Yes No
 - d. Date of last VE test: 3/26/10
 - e. Was the VE test report filed with the compliance authority no later than 45 days after the test? ----- Yes No
 - f. Did the facility demonstrate compliance during the last VE test? ----- Yes No

If no, what was the problem (if known)?

PART II: VISIBLE EMISSIONS TESTING

(check only one box for each question)

1. Was a visible emissions test conducted by the facility for this unit during this site visit? ----- Yes No
 - a. Was the test conducted with the unit operating at a capacity of one adult-sized cadaver? ----- Yes 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
(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 No
 - a. Was the test conducted with the unit operating at a capacity of one (1) adult-sized cadaver? ----- Yes 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?
 If yes, what reason? ----- Yes No

PART III: MONITORING/RECORDKEEPING REQUIREMENTS

(check only one box for each question)

1. Were there any objectionable odors detected? ----- Yes No
 An upwind/downwind survey of the facility was conducted. The observed parameters were:
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(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?
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 - 6) Corrective maintenance performed on systems/devices ----- Yes ..No
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(check only one box for each question)

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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

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(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

Wanda Parker-Coarvin
Inspector's Name (Please Print)

1/12/11
Date of Inspection

Wanda Parker-Coarvin
Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: EU 002 not operating at time of inspection

VE Tester - Sid Carter w/ Carter Air Plane Consulting LLC
Body was 120 lbs; Temp Chart = 11630°; Temp Monitor = 11635°
Operator - David Reid was certified 9-1-09; Records review
of charts - all in compliance. EU 003 had complete rebuild 7
6 months ago - was done to specs for machine.
Unit B+L Serial #636-419-02 Model N20AA