



# HUMAN CREMATORY



## COMPLIANCE INSPECTION CHECKLIST

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

**AIRS ID#:** 0530039 **DATE:** 12.22.2009 **ARRIVE:** 1235 **DEPART:** 1334

**FACILITY NAME:** BREWER & SONS FUNERAL HOME

**FACILITY LOCATION:** 1190 S. BROAD STREET  
BROOKSVILLE 34601-3110

**OWNER/AUTHORIZED REPRESENTATIVE:** BARRY BREWER **PHONE:** (352)796-4991

**CONTACT NAME:** Barry Brewer\ Bob Senecal **PHONE:** (352)796-4991

**ENTITLEMENT PERIOD:** 3/29/2004 / 3/29/2009  
(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))

- Were there any objectionable odor(s) detected?-----  Yes  No
- Was a visible emissions test conducted during this site visit according to EPA Method 9 (Ref.: Chapter 62-297, F.A.C.)?-----  Yes  No
- 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
- 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
  - 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.)?----- NA-----  Yes  No
  - Oxygen test performed according to EPA Method 3 (Ref.: Chapter 62-297, F.A.C.)?----- NA ---  Yes  No
  - 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.)?----- NA ----  Yes  No
- Was all emissions testing conducted with the source operating at the manufacturers recommended capacity?----- NA -----  Yes  No
- Was CO & PM compliance demonstrated by submission of a test report for an identical crematory unit? NA  Yes  No
- Was the Department notified at least 15 days prior to the date of the last formal compliance test?-- NA --  Yes  No
- Was the required test report filed with the Department as soon as practical, but no longer than 45 days after the test was completed?----- NA ---  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?-----**To be determined by crematory initiative**  Yes  No
  - a) Do temperature probes seem to be properly placed?-- **To be determined by crematory initiative** ----  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?**NA this inspection was a crematory initiative inspection**  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**

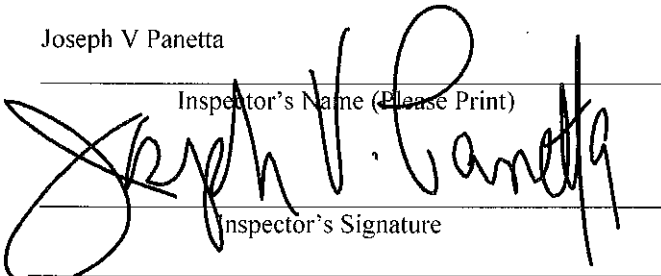
- 1. Since the last inspection has there been
  - a) installation of any new process equipment?-----  Yes  No
  - b) alterations to existing process equipment without replacement?-----  Yes  No
  - c) replacement of existing equipment substantially different than that noted on the most recent notification 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

Joseph V Panetta

12/22/2009

Inspector's Name (Please Print)

Date of Inspection



Inspector's Signature

Approximate Date of Next Inspection

**COMMENTS:** Met with Mr. Barry Brewer Explained this inspection was a crematory initiative inspection. Records were not checked this inspection. I was escorted to the crematory unit by the operator Bob Senecal. Crematory initiative inspection information was collected. Returning to the office to write report a further file review found that the registration for this facility expired on 03-29-2009. A missing test report was run by Compliance Manager 01-15-2010. Through that report it was found that a VE emissions test was not conducted for calendar year 2009. A 15 day test notification was received by the Department on January 20, 2010. An enforcement referral will be generated. For expired permit and missing VE test for 2009. A phone call was made to Tammy Tolbert to explain Field Warning Notice that was going to come in an email to her on 01/28/2009. Field warning notice was emailed to Tammy Tolbert on 01/28/2010

Inspection list for Crematories

Facility Name:

Brewer Funeral Hm

12/22/09

Facility ID No:

053 0039

Joseph P. ...

Crematory Unit Number

001

Crematory Unit Information:	
Emission Unit No.	001
Specifications:	Model IE 43 - PPII      NATURAL GAS 7 inch WC SERIAL # 484339
Thermocouple Location:	Diagram/Description:  SEE ATTACHED DIAGRAM
Afterburner Location:	Diagram/Description:  Right Side SEE ATTACHED DIAGRAM

Inspection list for Crematories

Facility Name:

Facility ID No:

Chart and Digital Logic Controller:	
Chart Make & Model:	Honeywell DC4200 GPI-00-00 SN: 9323123140005
Digital Logic Controller Make & Model:	Honeywell UDC 200E mini pro SN: Y 9327240222
Chart Specifications:	120 VAC 50/60 Hz 10VA 0-2500
Digital Logic Controller Specifications:	120 VAC 60 Hz 6VA
Check for agreement between Chart & Digital Logic Controller	Agreement: YES Agreement: NO If NO, provide comments:
Chart Calibration:	Date of Last Calibration:  Calibration Performed by:  Results of Calibration:
Digital Logic Controller Calibration:	Date of Last Calibration:  Calibration Performed by:  Results of Calibration:
Digital Logic Controller Bias	Details of Bias:  Chart Recorder reading at Bias determination:

Inspection list for Crematories

Facility Name:

Facility ID No:

	<p>Comparison:</p> <p>If bias is found, request information of previous calibrations to determine when it was put in and by whom.</p> <p>Obtain copies of the recorder charts, during and after the check.</p>		
Chart Recorder	Scan in 2 years of temperature charts		
<b>Unit Maintenance</b>			
Date of Last Service			
Name of Company Servicing Unit:	Name/ Address/Phone #/ email and/or fax #		
Description of repairs/adjustments:			
Maintenance Log:	<table border="0"> <tr> <td align="center">YES</td> <td align="center">NO</td> </tr> </table>	YES	NO
YES	NO		
Maintained Routinely:	<table border="0"> <tr> <td align="center">YES</td> <td align="center">NO</td> </tr> </table> <p>If NO, provide comments.</p>	YES	NO
YES	NO		

Inspection list for Crematories

Facility Name:

Facility ID No:

Repair Records 62-296.401(5&6)(e), FAC:	2 years of records on-site:      YES      NO If NO, provide comments.
<b>62-210.310 (3), FAC - General Conditions:</b>	
Permit	Issuance Date:  Expiration Date:
Owner:	Same as permit:      YES      NO  If NO, provide current owner information:
<b>62-296.401(5&amp;6), FAC - Specific Conditions Human and Animal Crematories</b>	
Visible Emissions	
Particulate Matter Emissions	
Carbon Monoxide (CO) Emissions	

Inspection list for Crematories

Facility Name:

Facility ID No:

Operating Temperatures	
Allowed Material	
Operating Procedures for start-up, shutdown and malfunction	
Air-to-Fuel Ration	

Retention Time Calculations and Thermocouple Location:

*NOTE If the temperatures cannot be met at the point or beyond where 1.0 second gas residence time is obtained in the secondary chamber combustion zone, then both the closer thermocouple location and bias would compensate for it.*

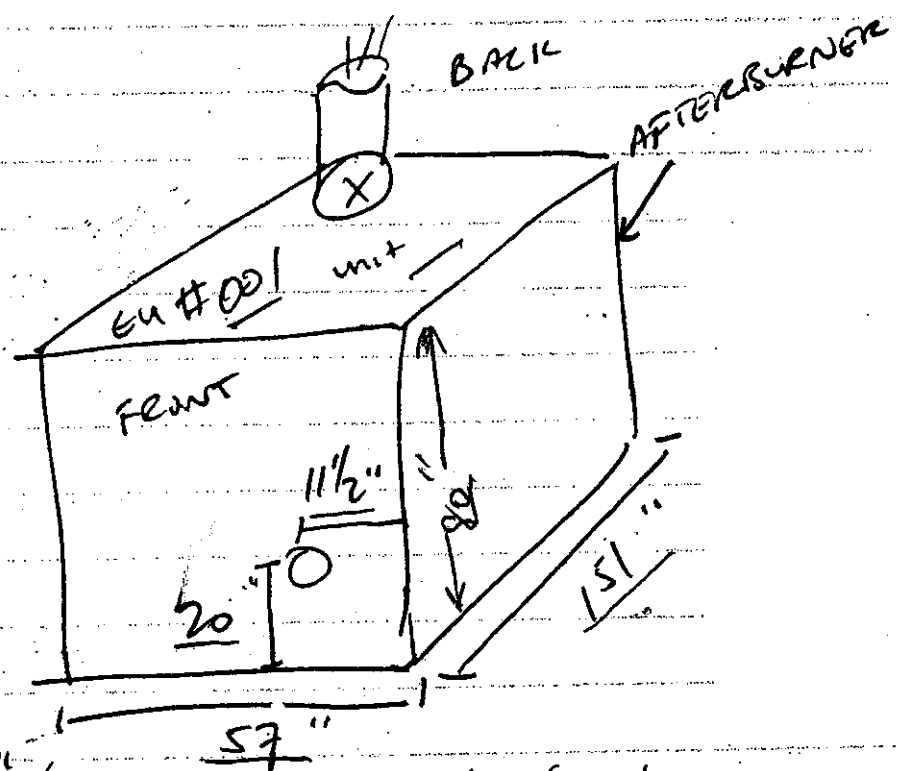


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Brewer Funnel Hm  
053 0039

*[Signature]*

12/22/09



43/4

" from charge door to front +  
 " from wall/secondary chamber to front