



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**
NORTHWEST DISTRICT BRACH OFFICE
470 HARRSION AVENUE
PANAMA CITY, FLORIDA 32401

RICK SCOTT
GOVERNOR
HERSCHEL T. VINYARD JR.
SECRETARY

April 12, 2013

SENT VIA EMAIL

steve@wilsonfuneralhome.net

Mr. Steve Wilson III
President
Wilson Funeral Home, Inc.
214 Airport Road
Panama City, Florida 32405

Dear Mr. Wilson:

A Department representative inspected your facility to determine compliance with the Air Quality Operating Permit. The program identification number for this facility is **0050081**. Your permit **expires on April 6, 2014**. This letter applies only to activities covered by the Air Resource Management Program.

The Panama City Branch Office reported a status of In Compliance for your facility. The inspection report is enclosed. Your facility compliance status may be subject to further review by the District Program Office.

The assistance you provided is appreciated. If you have any questions, your local contact is Mark Sumner at (850) 767-0046 or mark.c.sumner@dep.state.fl.us .

Sincerely,

A handwritten signature in blue ink, appearing to read 'M Mathews'.

Michael Mathews
Environmental Manager

MM/cms

Enclosure

c: Ms. Mary Beth Curle, FDEP Pensacola (mary.beth.curle@dep.state.fl.us)
Ms. Carol Melton, FDEP Pensacola (carol.melton@dep.state.fl.us)



HUMAN CREMATORY



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 0050081	DATE: <u>3/11/13</u>	ARRIVE: <u>9:30</u>	DEPART: <u>11:00</u>
FACILITY NAME: SEASIDE CREMATORY			
FACILITY LOCATION: 214 AIRPORT RD PANAMA CITY 32405			
OWNER/AUTHORIZED REPRESENTATIVE: J WILSON		PHONE: (850)785-5272	
Email:		Mobile:	
CONTACT NAME: Steve Wilson		PHONE:	
Email: steve@wilsonfuneralhome.net		Mobile:	
ENTITLEMENT PERIOD: 4/6/2009 / 4/6/2014 (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): Steve Wilson

Brief Notes: I met with Lisa Swain from HS&E Resources who performed a VE test at the time of this inspection.

2. Is the Authorized Representative still J WILSON? ----- Yes ..No
 If no, who is?: NA

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

3. Is the facility contact still Steve Wilson ----- Yes ..No
 If no, who is?: NA

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
1 – Human Crematory-Model IE43-Power-Pak II

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: 2/28/2012
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: 2/28/2012
 - e. Was the VE test report filed with the compliance authority no later than 45 days after the test? N/A Yes ..No
 - f. Did the facility demonstrate compliance during the last VE test? ----- Yes ..No
 If no, what was the problem (if known)? NA

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 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? - N/A Yes ..No
 - b. Was the visible emissions test conducted according to EPA Method 9? ----- N/A 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? ----- N/A 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? NA

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:
 Downwind odor level detected- NA Wind direction - SE Upwind odor level detected-NA (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 (11/1/12)) ----- 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? ----- N/A Yes ..No
 - (2) Is the system calibrated to restrict combustion in the primary chamber whenever any opacity exceeds 15% opacity ? ----- N/A Yes ..No
 - (3) Has the opacity measurement system been cleaned and checked for proper operation in accordance with the manufacturer’s recommended maintenance schedule? ----- N/A 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? ----- N/A Yes ..No
 - b. secondary chamber combustion zone temperature equal to or greater than **1400°F** before the cremation process begins in the primary chamber? ----- N/A 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? ---- N/A Yes ..No
 - b. Was the flame adjusted when necessary? ----- N/A 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? ----- N/A Yes ..No

New or Modified Process Equipment or Change in Ownership:

- 3. 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 answer to 3a. – d. is Yes , was a new registration form and the appropriate fee submitted 30 days prior to the change? ----- N/A Yes ..No

C. Mark Sumner

March 11, 2013

Inspector's Name (Please Print)

Date of Inspection



March 2014

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: This facility operates an Industrial Equipment and Engineering company dual chambered gas fired human crematory incinerator model IE43- Power Pak II. As describes by the operator the unit is set to run at 1650 degrees in the secondary combustion chamber, and a random review of the temperature recording charts revealed that the temperature was at least 1600 degrees for all cremations.

This unit was constructed in 2005, and the current entitlement period for the general permit will end April 6, 2014.

The unit was operating at the time of this inspection the cadaver was approximatly 120 lb adult. No odors or visible emissions were noticed during this inspection.

At the time of this inspection a VE test was being performed by HS&E Resources in accordance with EPA method 9.The Department was notified of the VE testing on 2/21/2013.

The cremation containers used at this facility were manufactured by McDonald Container, and the facility has documentation on file from the manufacturer certifying that the containers are composed of 0.5% or less by weight chlorinated plastics.

A copy of Mr. Steve Wilson III's training certificate was on file and avaiable for review.

The facility appears clean and well maintained. All requested records were avaiable onsite for immediate review.

The cremation unit was last services and calibrated my Mathew's Cremation Services on 11/1/2012.