HUMAN CREMATORY

COMPLIANCE INSPECTION CHECKLIST

Environmental Compliance

INSPECTION TYPE: ANNUAL (INS1, INS2) ☒ COMPLAINT/DISCOVERY (CI) ☐

RE-INSPECTION (FUI) ☐ ARMS COMPLAINT NO:

AIRS ID#: 1050428 **DATE:** 01142009 **ARRIVE:** 0950 **DEPART:** 1150

FACILITY NAME: OAKRIDGE CREMATION SERVICES LLC

FACILITY LOCATION: 2175 S 30TH ST

HAINES CITY 33844-8705

OWNER/AUTHORIZED REPRESENTATIVE: DAVID HOLT **PHONE:** (863)293-4127

CONTACT NAME: Dave Lane Holt **PHONE:** (863)422-3933

ENTITLEMENT PERIOD: 11/17/2008 (effective date) / 11/17/2013 (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))

1. Were there any objectionable odor(s) detected? ☐ Yes ☒ No
2. Was a visible emissions test conducted during this site visit according to EPA Method 9 (Ref.: Chapter 62-297, F.A.C.)? ☐ Yes ☒ No
3. 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
4. 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
   a) Carbon Monoxide (CO) emissions equal to or below the requirements of 100 parts per million by volume, dry basis, corrected to 7% O_2 on an hourly average basis and tested according to EPA Method 10 (Ref.: Chapter 62-297, F.A.C.)? ☐ Yes ☐ No
   b) Oxygen test performed according to EPA Method 3 (Ref.: Chapter 62-297, F.A.C.)? ☐ Yes ☐ No
   c) Particulate matter emissions test with results equal to or below the requirements of 0.080 grains per dry standard cubic foot (ft^3)of flue gas, corrected to 7% O_2 and tested according to EPA Method 5 (Ref.: Chapter.62-297, F.A.C.)? ☐ Yes ☐ No
5. Was all emissions testing conducted with the source operating at the manufacturers recommended capacity? ☒ Yes ☐ No
6. Was CO & PM compliance demonstrated by submission of a test report for an identical crematory unit? ☐ Yes ☐ No
7. Was the Department notified at least 15 days prior to the date of the last formal compliance test? ☒ Yes ☐ No
8. Was the required test report filed with the Department as soon as practical, but no longer than 45 days after the test was completed? ☒ 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? ☒ Yes ☐ No
   a) Do temperature probes seem to be properly placed? ☒ 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?
      1) All measurements (including CEMS) ☒ 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 — Inspector's Name (Please Print)

01/14/2009 — Date of Inspection

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: Boxes not check because rule nolonger applies to these issues.

Inspection by Joe PAnetta w/ Max Grondhl. Spoke with Mr. Holt, owner of facility. Went over rules explaining Maintenance Schedules, Preventitive Maintenance Schedules and how the rule addresses the operatation of crematories according to manufacturer's specifications. Left Mr. Holt a copy of the new rules, inspection checklist, and examples of MSDS.

Thoroughly went over rules. Highlited areas of rules and left examples of preventitve maintanence schedules.

Explained that a complete file of all temperature measurements; all continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; and all adjustments, preventive maintenance, and corrective maintenance performed on these systems or devices, shall be recorded in a permanent legible form available for inspection. Continuous temperature monitoring documentation shall include operator name, operator indication of when cremation in the primary chamber was begun, date, time, and temperature markings. Pollutant monitoring system documentation shall include indication of when the opacity measurement system was cleaned and checked for proper operation in accordance with the manufacturer's recommended maintenance schedule. The file shall be retained for at least two (2) years following the recording of such measurements, maintenance, reports, and records.

Facility not operating at time of inspection.

Explained allowed Materials. Human crematory units shall cremate only human or fetal remains with appropriate containers. The remains may be clothed. The containers shall contain no more than 0.5percent by weight chlorinated plastics as demonstrated by the manufacturer's data sheet. If containers are incinerated, documentation from the manufacturers certifying that they are composed of 0.5 percent or less by weight chlorinated plastics shall be kept on-file at the site for the duration of their use and for at least two (2) years after their use. No other material, including biomedical waste shall be incinerated. Talked abour Starup, shutdown and malfunction procedures.

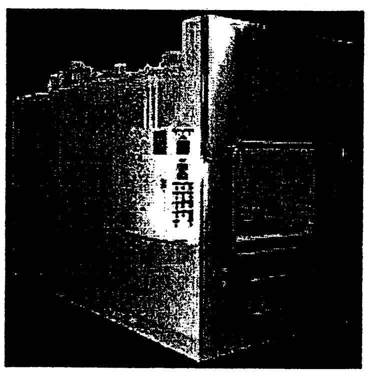
Viewed Records from November 19 to January 10, 2009

VE was conducted 12/18/08 PASSED

B&L Cremation Systems, Inc.

Human Cremation

Below is the information about our N20 Series cremation retorts.



N20 - Specifications

Dimensions:
Height 8'-6"
Width 5'-6"
Length 12'-0"

Weight: 24,000 lbs.

Power Requirments:
220V, 1 Phase, 30 AMPS
110V, 1 Phase, 10 AMPS

Gas Pressure:
Natural Gas 7" W.C.
Propane Gas 11" W.C.

Cremation Rate: 150 lbs/hour

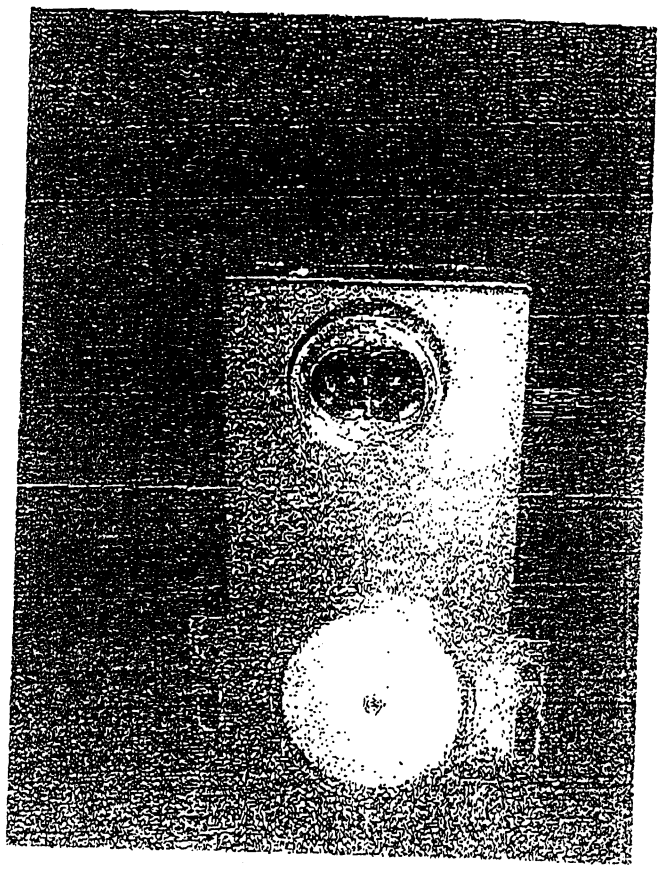
Burner Output:
Maximum Input Rating 1,500,000 BTU's per hour
Afterburner Maximum 1,000,000 BTU's per hour
(Full Modulation 100%)
Ignition Burner 300,000 BTU's per hour
Cremation Burner 500,000 BTU's per hour

Air Requirements: Outside air inlet louvers in the room located at or below burner height, capable of passing 2,500 CFM of free air.

Dept. of Environmental Protection
NOV 24 2008
Southwest District

Cremation Systems, Inc.
WORLDWIDE SALES AND SERVICE
7205 - 114th Avenue North • Largo, Florida 33773
1-800-622-5411 • 727-541-4666 • Facsimile 727-5474069
e-mail: blcremsys@aol.com • www.blcremationsystems.com

VISIBLE OPACITY MONITOR (VOM-1)



APPLICATION: monitoring control used on retorts to warn operators and shut down processes based on opacity.

IMPROVED RUGGED DESIGN

EASY TO INSTALL AND SUPPORT

UNAFFECTED BY AMBIENT LIGHT

EXTERNAL ADJUSTMENT

SPANS UP TO 6 FEET

VISIBLE LED LIGHT SOURCE

OPACITY MONITOR ADJUSTMENT PROCEEDURE (NEW)

The following procedure may be necessary to be performed from time to time due to vibration on the top of the retort. This procedure is designed to be both simple and quick, and to insure the proper operation of your retort.

It is suggested that before starting. this procedure be carefully read, and if you have any questions, call the service dept. at B&L Cremation Systems. A service technician will be happy to answer any questions or assist you with the alignment / adjustment of your opacity monitor.

The best time to perform this procedure is on a cool retort.

Please check the cleanliness of the opacity monitor lens and reflector. Inspect the reflector for any damage, replacing it as necessary.

You will need the following tools.
6" adjustable wrench
7/16" wrench
A Phillips screwdriver
A small straight slot screwdriver
6' to 8' step ladder

Step 1: Open the electrical cabinet located on your retort. Inside, locate the "C1 BLOWER" contactor. At the bottom of the contactor, from left to right, you will see a red "STOP" button. To the right of this is a blue "RESET" button. Above this is a "TEST" slot (see fig 1).

Step 2: Using a pen, push the test slot to the left until only black is visible. This will dissable the main blower, allowing you to adjust the opacity monitor, and hear the internal relay click

Step 3: Turn on the retort with the main timer set to zero. The "Cool Down" lamp should be illuminated.

Step 4 Next, it will be necessary to get on top of the retort. Inspect the opacity monitor. locating the red alignment L.E.D. and the sensitivity adjustment (see fig. 2). The red L.E.D. should be lit, and by passing your hand in front of the lens, you should be able to hear the opacity monitor click. If you are experiencing minor nuisance tripping of the opacity system, turn the sensitivity adjustment CLOCKWISE approximately 1/8 of a turn. This should correct the problem. Now press the round blue "RESET" button located on the "C1 BLOWER" contactor in the electrical cabinet. Your retort is now ready to operate. If, however, the red L.E.D. is not illuminated or you do not hear the clicking when you pass your hand in front of the monitor, proceed to step 5.

Step 5: Turn the sensitivity adjustment FULLY CLOCKWISE. Loosen the two mounting bolts holding the opacity monitor. By slowly moving the opacity monitor (left or right, forward or backward), obtain the maximum brightness possible for the L.E.D. Carefully tighten one of the mounting bolts, using shims as necessary, then snug the remaining bolt. Do NOT tighten this bolt. Turn the sensitivity adjustment COUNTERCLOCKWISE until the monitor clicks. Turn the sensitivity adjustment CLOCKWISE until you hear the monitor click again, then continue CLOCKWISE an additional 1/8 turn. The opacity monitor is now correctly set. Press the round blue "RESET" button on the "C1 BLOWER" contactor, completing the alignment procedure. *Please note: if the circuit board is black counterclockwise and clockwise are reversed. Counterclockwise will be clockwise and clockwise will be counterclockwise.*

If the red L.E.D. does not illuminate, or if the monitor does not click. please contact the service department at B&L Cremation Systems to further assist you.

Air General Permit Registration (Renewal or New)

Rhonda,

- [x] Please make Permitting file folder
- [x] Please make Compliance file folder
- [x] Please make Compliance Brown Accordion Folder
- [x] Please add to facility list
- [x] Please put Joe Panetta as the inspector
- [x] Please give to inspector
- [ ] 12/1/08 11Am First Certa NOV 18, 2008
- [ ] John Lamanna, Funeral Director
- [ ] Oakridge Funeral @ YAhoo.com

Explain VE Due w/in 30 days of Company Operate.

Thank you,

Joe