



Florida Department of Environmental Protection

Northwest District Branch Office
630-3 Capital Circle Northeast
Tallahassee, Florida 32301

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

April 22, 2008

SENT VIA EMAIL
DKFCPALFD@aol.com

Dan Fairchild
Fairchild Cremation Services, Inc.
3673 Peddie Drive
Tallahassee, Florida 32303

Dear Mr. Fairchild:

A Department representative inspected your facility to determine compliance with the Air Quality Operating Permit. The program identification number for this facility is 0730068. This letter applies only to activities covered by the Air Resources Management Program.

Based on the facility inspection results, the Tallahassee Branch Office reported a status of **In-Compliance** for your facility.

Note that your facility compliance status may be subject to further examination by the District Program Office.

The assistance you provided is appreciated. You are encouraged to review the enclosed inspection report and its recommendations section. If you have any questions, your local contact is Tracy White at (850) 488-3704 or tracy.a.white@dep.state.fl.us.

Sincerely,

Cliff McKeown
Engineer Specialist

CM/tw

Enclosures

cc: Rick Bradburn, FDEP, Pensacola
Mary Beth Curle
Erica Mitchell



HUMAN CREMATORY



COMPLIANCE INSPECTION CHECKLIST

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

AIRS ID#: 0730068 **DATE:** 3/28/2008 **ARRIVE:** 1:30 **DEPART:** 3:00

FACILITY NAME: FAIRCHILD CREMATION SERVICES, INC.

FACILITY LOCATION: 3673 PEDDIE DRIVE
TALLAHASSEE 32303

OWNER/AUTHORIZED REPRESENTATIVE: DAN FAIRCHILD **PHONE:** (904)386-8686

CONTACT NAME: **PHONE:**

ENTITLEMENT PERIOD: 8/10/2003 / 8/10/2008
(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))

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% O₂ 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 (ft³) of flue gas, corrected to 7% O₂ 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

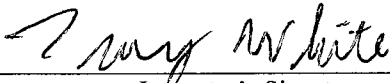
1. Since the last inspection has there been
 - a) installation of any new process equipment?----- Yes No
 - b) alterations to existing process equipment without replacement?----- Yes No
 - c) replacement of existing equipment substantially different than that noted on the most recent notification form?-----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

Tracy White

3/28/2008

Inspector's Name (Please Print)

Date of Inspection



6-12 months

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS:

Complaint investigation:

Anonymous complainant claims there was "billowing smoke, foul stench and ash coming out of crematory" this morning.

From: Phillips, Cindy

Sent: Wednesday, March 26, 2008 1:22 PM

To: White, Tracy A.

Subject: Air Complaint re: Fairchild Cremation Services (0730068) 3673 Peddie Drive, Tallahassee

Tracy, Joe Kahn received an anonymous complaint this morning about 10:45 that said Fairchild Cremation Services on Peddie Drive was emitting billowing smoke and ash, and a foul stench. Could you please check this out and let me know what you find? When I called your office, I was told that you are currently out in the field and can't be contacted but please try to go by there today. They're probably already finished with the cremation by now but it would be helpful to check their records to see how heavy a body they were cremating and to find out what went wrong.

Cindy Phillips , 921-9534

From: White, Tracy A.

Sent: Thursday, March 27, 2008 9:42 AM

To: Phillips, Cindy

Cc: Neubauer, Gerry; McKeown, Cliff

Subject: RE: Air Complaint re: Fairchild Cremation Services (0730068) 3673 Peddy Drive, Tallahassee

Cindy,

I went out there yesterday afternoon around 3:45 P.M, 3/26/2008.

Mr. Dan Fairchild was not there. The crematory unit was probably in cool-down (I saw some hot clear gas exiting stack.) I did not note any evidence of excessive emission. The unit did not appear to be in operation (best I can tell).

I talked to Mr. Fairchild this morning on the phone. He concluded that the anonymous call may have started from a past dispute with a nearby neighbor.

Anyway, I questioned him on if he thought he may have been in non-compliance for the period described. He said "no."

He did add that for most crematories there "could be some odor after you shut down" that remains in the "immediate vicinity." Again, he did not note any issues of non-compliance during the Wednesday cremation.

He said at the time, he was cremating a body that was approximately 175 lbs. Start time at 9:30 and end at 11:30 A.M. He added he had the records also.

I asked him when he was cremating his next body, he explained possibly on Friday, but would notify when he was going to do it. I'll try and witness it to see if there are any issues. Hope this helps.

Tracy White
Environmental Specialist
Northwest District Branch Office
630 - 3 Capital Circle NE
Tallahassee, Florida 32301
850-488-3704, Fax: (850) 922-3620

UPDATE:

I went to site again on Friday, March 28, 2008 and met with Mr. Fairchild. I conducted a routine inspection and witnessed the cremation of a approximately 170 lb body. Records were complete, no excess emissions and no problems were noted. No changes were noted to the retort.