



ANIMAL CREMATORY



COMPLIANCE INSPECTION CHECKLIST

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

ARMS UPDATED
10/1/07

AIRS ID#: 0530365 **DATE:** 10312007 **ARRIVE:** 1032 **DEPART:** 1145

FACILITY NAME: HERNANDO COUNTY ANIMAL SERVICES

FACILITY LOCATION: 19450 OLIVER STREET
 BROOKSVILLE 34601

RESPONSIBLE OFFICIAL: Liana Teague **PHONE:** (352)540-6286

CONTACT NAME: Dennis **PHONE:** (352)540-6286

REMITTANCE YEAR: **ENTITLEMENT PERIOD:** 7/19/2003 / 7/19/2008
 (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))

- 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(6)(j), 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% O₂ on an hourly average basis and tested according to EPA Method 10 (Ref.: Chapter 62-297, F.A.C.)?----- Yes No
 - Oxygen test performed according to EPA Method 3 (Ref.: Chapter 62-297, F.A.C.)?----- Yes No
 - 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
- Was all emissions testing conducted with the source operating at the manufacturers recommended capacity?----- Yes No
- Was CO & PM compliance demonstrated by submission of a test report for an identical crematory unit? Yes No
- Was the Department notified at least 15 days prior to the date of the last formal compliance test?----- 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?----- 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 leak-proof containers containing no more than 0.5 % (percent) by weight chlorinated plastics used during the cremation of dead animals?----- 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) If plastic bags are used for the cremation of animals are they non-chlorinated and no less than 3 mils thick?----- Yes No
- c) Are dead animals, which have been used for medical or commercial experimentation, or other materials, including biomedical wastes (Rule 62-210.200, F.A.C.), incinerated at this location?----- Yes No
6. During this review period, was the largest batch load cremated 500 pounds per hour or less?----- Yes No
7. Have all crematory operators been trained and certified by a Department-approved training program?---
- a) Are copies of the training certificates 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

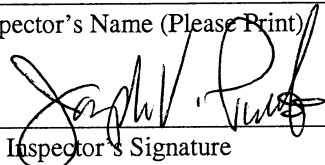
- 1. Since the last inspection has there been
 - a) installation of any new process equipment?----- Yes No
 - b) alterations to existing process equipment without replacement?----- Yes No
 - c) replacement of existing equipment substantially different than that noted on the most recent notification form?-----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

10312007

Inspector's Name (Please Print)

Date of Inspection



Approximate Date of Next Inspection

Inspector's Signature

COMMENTS: Spoke with Liana Teague and Dennis about new rules. Went over new rules explaining maintenance schedules and how the new January 10, 2007 Rule change addresses the operation of crematories according to manufacturer's specifications. Left him a copy of the new rules. Highlighted areas of rules we went over. Left examples of preventive schedules.

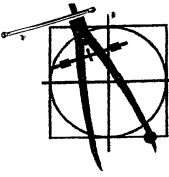
Explained that a complete file of all temperature measurements; all continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; and all adjustments, 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.

Operating at time of inspection temp 1850 F

Explained allowed Materials. The containers shall contain no more than 0.5 percent 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 about Starup, shutdown and malfunction procedures.

Viewed Records from 07/19/ 2006 to 10/30/2007

VE Performed 07/11/07.



**GENERAL
ENVIRONMENTAL
ENGINEERING, INC.**

July 16, 2007

Department of Environmental Protection
Southwest District
Air Resources Division
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Attention: Mara Nasca, Air Program Administrator

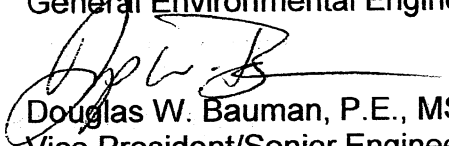
**RE: Submittal of Formal Compliance Test
Hernando County Animal Shelter (0530365-002-AG)
Brooksville, Hernando County, Florida**

Dear Ms. Nasca:

Please find enclosed the Method 9 opacity test conducted on July 11, 2007 by General Environmental Engineering, Inc. for one crematory located at Hernando County Animal Shelter, 19450 Oliver Street, Brooksville, Florida, 34601.

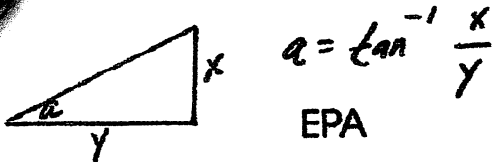
If you have any question please contact me at (407) 822-7655.

Respectfully submitted,
General Environmental Engineering, Inc.


Douglas W. Bauman, P.E., MSE
Vice President/Senior Engineer

Enclosed:
VE Test, Temperature Chart, Observer's Certificate

cc: Lisa Brown - Hernando County Animal Shelter
File



EPA

VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)
 Method 9 203A 203B Other: _____

Company Name: Hernando County Animal Services
 Facility Name: Hernando County Animal Services
 Street Address: 91450 Oliver St.
 City: Brooksville State: FL Zip: 34601

Process: Animal Cremation Unit # 001 Operating Mode: Leads 300 ft 13000 BTU/hr
 Control Equipment: 2nd Chamber Operating Mode: 2 51600°F

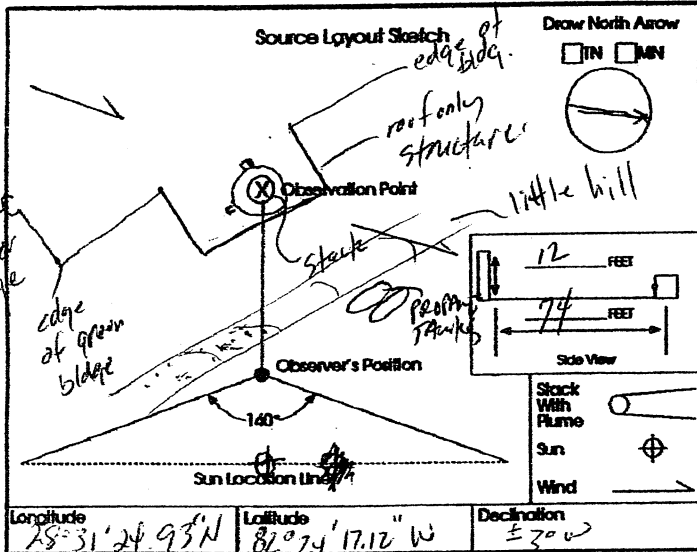
Describe Emission Point:
Black stack 9 top unit penetrating roof-only structure

Height of Emiss. Pt. Start 12-14' End Height of Emiss. Pt. Rel. to Observer Start 8' End
 Distance to Emiss. Pt. Start 79' End Direction to Emiss. Pt. (Degrees) Start 260° End

Vertical Angle to Obs. Pt. Start 275° End Direction to Obs. Pt. (Degrees) Start 260° End
 Distance and Direction to Observation Point from Emission Point Start 1-1.5 feet up End

Describe Emissions Start No visible emissions End
 Emission Color Start N/A End Water Droplet Plume Attached Detached None

Describe Plume Background Start sky clouds/trees End
 Background Color Start green/blue/grey End Sky Conditions % cloud covered Start 80% End 60%
 Wind Speed Start 3-5 mph End Wind Direction Start S-SW End
 Ambient Temp. Start 80° End 78° Wet Bulb Temp. 98 RH Percent



Additional Information:
No objectionable odors, wind direction varies
See attached Temp chart

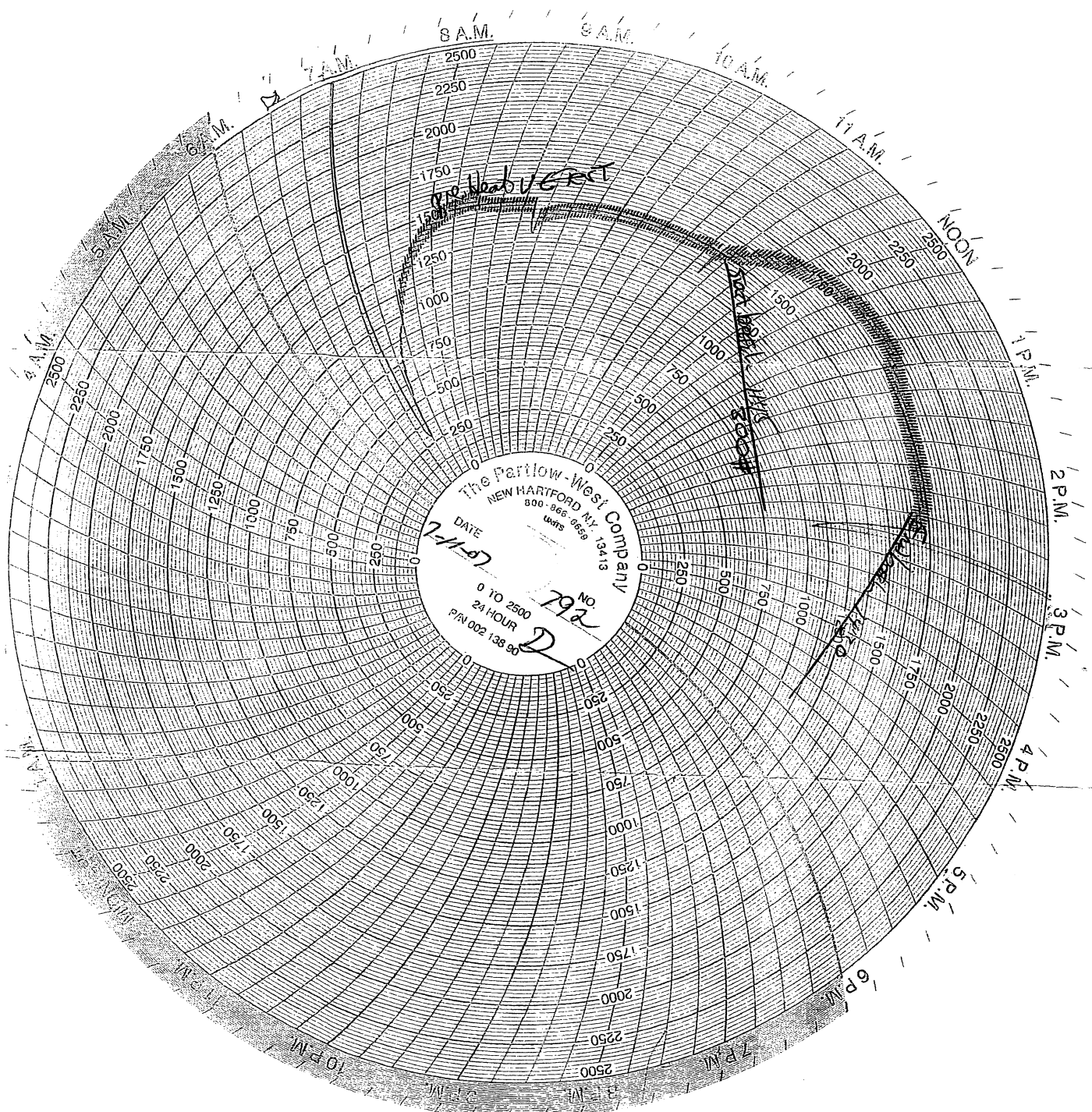
Form Number: _____ Page: 1 of 1
 Continued on VEO Form Number: _____ F

Observation Date		Time Zone				Start Time		End Time	
7.11.2007		EASTERN				1117		1217	
Sec	0	15	30	45	Sec	0	15	30	45
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0
30	0	0	0	0	60	0	0	0	0

36-5701 220

16 Sprint 220

Observer's Name (Print): Douglas Bauman
 Observer's Signature: [Signature] Date: 7.11.2007
 Organization: General Environmental Engineering
 Certified by: ETA/EPA Date: Feb 8, 2007



VISIBLE EMISSIONS EVALUATOR

This is to certify that

Doug Bauman

met the specifications of Federal Reference Method 9 and qualified as a visible emissions evaluator. Maximum deviation on white and black smoke did not exceed 7.5% opacity and no single error exceeding 15% opacity was incurred during the certification test conducted by Eastern Technical Associates of Raleigh, North Carolina. This certificate is valid for six months from date of issue.

347656

Certificate Number

Orlando, Florida

Location

February 8, 2007

Date of Issue

Thomas Hore

President

Michael W. Sanford

Director of Training



Heritage

December 2, 2005

To Whom It May Concern:

This letter will serve to certify that all Heritage Bag Company linear-low density and high molecular weight high density can liners do not contain any chlorine or chlorine compounds.

Please contact us if you have any additional questions regarding the raw material composition of our bag and liner products. Thank you for your support of Heritage Bag Company.

Sincerely,

Frank A. Ruiz
Technical Director