

# ANIMAL CREMATORY



## COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) RE-INSPECTION (FUI)	COMPLAINT/DISCOVER ARMS COMPLAINT NO:	Y (CI)	
AIRS ID#: 0250250 DATE: <u>4/26/2013</u>	ARRIVE: <u>10:14 AM</u>	DEPART: <u>11:18 AM</u>	
FACILITY NAME: PET HEAVEN MEMORIAL F	PARK		
FACILITY LOCATION: 10901 W FLAGLE	R ST		
MIAMI 33174			
OWNER/AUTHORIZED REPRESENTATIVE: Email: sesantos@pet-heaven.com CONTACT NAME: CANDY SANTOS Email: cisantos@pet-heaven.com ENTITLEMENT PERIOD: 1/7/2013 / 1/7/201 (effective date) (end da	Mobile: PHONE: Mobile: 18	(305)223-6516 (305)223-6516	
Facility Section         PART I: INSPECTION COMPLIANCE STATUS (check I only one box)         IN COMPLIANCE       MINOR Non-COMPLIANCE       SIGNIFICANT Non-COMPLIANCE			
<ul> <li>PART II: <u>ONSITE INTRODUCTORY MEETING</u></li> <li>1. Name(s) of facility representative(s): <u>JASON SCI</u> Brief Notes:</li> </ul>	_	(check ☑ only one box for each question)	
<ol> <li>Is the Authorized Representative still SERGIO SA If no, who is?:</li> </ol>	NTOS?	YesNo	
If different, did the facility provide an administrati 3. Is the facility contact still CANDY SANTOS? If no, who is?:			
4. Will facility be conducting VE test(s) during today If yes, was the compliance authority notified at lea	y's inspection? st 15 days in advance?	YesNo YesNo	

## **Emissions Unit Section** <u>1 –SIMONDS 404 INCINERATOR-400 LB/HR TYPE IV WASTE-DUAL CHAMBER</u>

PART I: FILE REVIEW PRIOR TO INSPECTION	(check 🗹	only one
1. a. Complete AC application or, if no AC permit, initial GP registration received on or	box for each	question)
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. Manufacturer's recommended capacity:		
3. Crematory unit installed after February 1, 2007?	Yes	🖾No
4. Date of last inspection: $6/26/2012$		
5. Past Visible Emissions (VE) tests:		
a. Was a VE test performed within each of the past 4 calendar years?	X Yes	No
b. Has a VE test been performed yet within the current calendar year?	Xes	No
c. If first year of operation, was a VE test performed within 30 days of commencing	_	
operation? X N/A	Yes	No
d. Date of last VE test: 6/20/2012	_	
e. Was the VE test report filed with the compliance authority no later than 45 days after the test?	Xes Yes	□No
f. Did the facility demonstrate compliance during the last VE test?		No
If no, what was the problem (if known)?	—	—

PART II: <u>VISIBLE EMISSIONS TESTING</u>	(check 🗹 box for each	only one question)
<b>1. Was a visible emissions test conducted by the facility for this unit during this site visit?</b>	Yes Yes	No
b. Was the operating capacity greater than the manufacturer's recommended capacity?	☐ Yes ⊠ Yes	⊠No □No
d. Was the visible emissions test conducted according to EPA Method 9? e. The visible emission test resulted in an opacity of $15$ % for the highest six minute average.	$\boxtimes$ Yes	$\square$ No
<ul> <li>f. Did the visible emission test demonstrate compliance with the limit?</li></ul>	Yes	🖾No
2. Was a visible emissions test conducted by the inspector during this site visit?	☐ Yes	XNo
a. Operating capacity during test? [] lbs for batch unit [] lbs/hr for ram-charged unit b. Was the operating capacity greater than the manufacturer's recommended capacity?	☐ Yes	□No
c. Was the test conducted with the unit operating at a capacity that is representative of normal operations? d. Was the visible emissions test conducted according to EPA Method 9?	Yes Yes	□No □No
<ul> <li>e. The visible emission test resulted in an opacity of% for the highest six minute average.</li> <li>f. Did the visible emission test demonstrate compliance with the limit?</li> </ul>	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)	
3. Is there any reason to ask for a special test to determine compliance with the PM and CO standar	ds?	🖾No
If yes, what reason?		

PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check 🗹 box for each	only one question)
1. Were there any objectionable odors detected?	Yes	🖾No
An upwind/downwind survey of the facility was conducted. The observed parameters were: Wind direction Downwind odor level detected Upwind odor level detected	Scale: 1-10 (	(worst)
<ul> <li>2. Continuous Monitoring Systems –</li> <li>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?</li> <li>b Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence time at 1,800<sup>1</sup> 1,600<sup>2</sup> degrees was determined?</li></ul>	<ul><li>Yes</li><li>Yes</li></ul>	□No ⊠No
<ul> <li>c. Are the following records kept on file, available for inspection, for at least the past two years?</li> <li>(1) All temperature measurements</li> <li>(2) All continuous monitoring systems, monitoring devices, and performance testing measurements; monitoring system all continuous performance evaluations</li> </ul>		□No
<ul> <li>(3) All CEMS or monitoring device calibration checks (last performed on)</li> <li>(4) Adjustments</li> <li>(5) Preventive maintenance performed on systems/devices</li> <li>(6) Corrective maintenance performed on systems/devices</li></ul>	- 🗌 Yes - 🗌 Yes - 🛛 Yes	No No No No
<ul> <li>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</li> <li>e. Was the crematory unit installed after 2/1/07? If no, skip e.(1) – (3)</li> <li>(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatic</li> </ul>	Yes	□No ⊠No
<ul> <li>(1) Is the original of an equipped and operated with a pontation in the primary end of a data and the end of a second seco</li></ul>	🗋 Yes	□No □No
accordance with the manufacturer's recommended maintenance schedule?	- 🗌 Yes	No
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check ☑ box for each	only one question)
<ol> <li>If the application to construct was <b>BEFORE</b> August 30, 1989 is the:         <ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than <b>1400°F</b> throughout the combustion process in the primary chamber?</li> <li>b. secondary chamber combustion zone temperature equal to or greater than <b>1400°F</b> before the crema process begins in the primary chamber?</li> </ul> </li> </ol>		□No ⊠No
<ul> <li>2. If the application to construct <u>ON</u> or <u>AFTER</u> August 30, 1989 is the:</li> <li>a. the actual operating temperature of the secondary chamber combustion zone no less than 1600°F throughout the combustion process in the primary chamber?</li></ul>	tion	No
process begins in the primary chamber?	Yes	No
PART V: <u>ALLOWED MATERIALS</u>	(check ☑ box for each	only one question)
<ol> <li>Besides animal remains and, if applicable, the bedding associated with the animals and appropriate con are any other materials, including biomedical wastes, incinerated in the unit?</li> <li>If yes, what other materials?</li> </ol>		⊠No
<ol> <li>Do containers contain no more than 0.5 percent by weight chlorinated plastics as certified by the manufacturer?</li></ol>	Yes? Yes	□No □No

PART VI: EQUIPMENT MAINTENANCE	(check <b>⊻</b> box for each	
<ol> <li>Is the crematory unit maintained in accordance with the manufacturer's specifications?</li> <li>Is there a written plan onsite which addresses the operating procedures during startup,</li> </ol>	Yes	⊠No
<ul> <li>shutdown and malfunction?</li> <li>3. Does the crematory allow for a visible check on the flame characteristics?</li> <li>If no, skip a. – b.</li> </ul>	Yes Ves	□No ⊠No
<ul> <li>a. Was the flame characteristic visually checked at least once during each operating shift?</li> <li>b. Was the flame adjusted when necessary?</li> </ul>	Yes Yes	□No □No

PART VII: <u>EU INSPECTIO</u>	N COMPLIANCE STATUS (check	$\mathbf{V}$ only one box)	
IN COMPLIANCE	MINOR Non-COMPLIANCE	SIGNIFICANT Non-COMPLIANCE	

### **Emissions Unit Section** <u>2 – PROPANE FIRED POWER-PAK II MODEL IE43-PPII INCINERATOR</u>

PART I: FILE REVIEW PRIOR TO INSPECTIO	<u>N</u>	(check ☑ box for each	only one question)
<ol> <li>a. Complete AC application or, if no AC permit, in after August 30, 1989?</li> <li>b. If yes, were design calculations provided then to</li> </ol>		Yes	No
secondary chamber combustion zone to prov at 1800 degrees Fahrenheit?	vide for at least a 1.0 second gas residence time	Xes	No
<ol> <li>Manufacturer's recommended capacity:</li> <li>Crematory unit installed after February 1, 2007? -</li> </ol>		Yes	No
<ol> <li>Date of last inspection: <u>6/26/2012</u></li> <li>Past Visible Emissions (VE) tests:</li> </ol>			
b. Has a VE test been performed yet within the cu	t 4 calendar years?		LNo LNo
<ul> <li>c. If first year of operation, was a VE test perform operation?</li> <li>d. Date of last VE test: 6/20/2012</li> </ul>		Yes	No
e. Was the VE test report filed with the compliance	the last VE test?	⊠ Yes ⊠ Yes	□No □No

PART II: <u>VISIBLE EMISSIONS TESTING</u>	(check ☑ box for each	only one question)
<ol> <li>Was a visible emissions test conducted by the facility for this unit during this site visit?</li></ol>	<ul><li>☑ Yes</li><li>☑ Yes</li><li>☑ Yes</li><li>☑ Yes</li></ul>	No No No No
f. Did the visible emission test demonstrate compliance with the limit?	Yes in any one-hour)	No
2. Was a visible emissions test conducted by the inspector during this site visit?	Yes	⊠No
<ul><li>b. Was the operating capacity greater than the manufacturer's recommended capacity?</li><li>c. Was the test conducted with the unit operating at a capacity that is representative of normal operations?</li><li>d. Was the visible emissions test conducted according to EPA Method 9?</li></ul>	☐ Yes ☐ Yes ☐ Yes	□No □No □No
<ul> <li>e. The visible emission test resulted in an opacity of% for the highest six minute average.</li> <li>f. Did the visible emission test demonstrate compliance with the limit?</li></ul>	Yes in any one-hour)	No
<b>3. Is there any reason to ask for a special test to determine compliance with the PM and CO standar</b> If yes, what reason?	ds?	No

PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check 🗹 box for each	only one question)
1. Were there any objectionable odors detected?	Yes	🖾No
An upwind/downwind survey of the facility was conducted. The observed parameters were: Wind direction Downwind odor level detected Upwind odor level detected	Scale: 1-10	(worst)
<ul> <li>2. Continuous Monitoring Systems –</li> <li>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?</li> <li>b Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence time at □ 1,800<sup>1</sup> ⊠ 1,600<sup>2</sup> degrees was determined?</li></ul>	⊠ Yes □ Yes	□No □No
<ul> <li>c. Are the following records kept on file, available for inspection, for at least the past two years?</li> <li>(1) All temperature measurements</li></ul>		No
<ul> <li>monitoring system all continuous performance evaluations</li> <li>(3) All CEMS or monitoring device calibration checks (last performed on)</li> <li>(4) Adjustments</li> <li>(5) Preventive maintenance performed on systems/devices</li> </ul>	- 🛛 Yes - 🗌 Yes	□No □No □No □No
<ul><li>(6) Corrective maintenance performed on systems/devices</li><li>d. Are the temperature charts properly documented with operator name, operator indication of</li></ul>	- 🗌 Yes	No
<ul> <li>when cremation in the primary chamber was begun, date, time, and temperature markings</li> <li>e. Was the crematory unit installed after 2/1/07? If no, skip e.(1) - (3)</li> <li>(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatic</li> </ul>	🛛 Yes	□No □No
<ul> <li>control combustion based on continuous in-stack opacity measurement?</li></ul>	y	⊠No
(3) Has the opacity measurement system been cleaned and checked for proper operation in accordance with the manufacturer's recommended maintenance schedule?	- 🗌 Yes	No
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check 🗹 box for each	only one
<ol> <li>If the application to construct was <u>BEFORE</u> August 30, 1989 is the:         <ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li> <li>b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the crema process begins in the primary chamber?</li> </ul> </li> </ol>		□No
<ul> <li>2. If the application to construct <u>ON</u> or <u>AFTER</u> August 30, 1989 is the:</li> <li>a. the actual operating temperature of the secondary chamber combustion zone no less than 1600°F throughout the combustion process in the primary chamber?</li></ul>	- 🛛 Yes	No
process begins in the primary chamber?		No
PART V: <u>ALLOWED MATERIALS</u>	(check 🗹 box for each	only one question)
<ol> <li>Besides animal remains and, if applicable, the bedding associated with the animals and appropriate co are any other materials, including biomedical wastes, incinerated in the unit?</li> <li>If yes, what other materials?</li> </ol>		⊠No
<ol> <li>Do containers contain no more than 0.5 percent by weight chlorinated plastics as certified by the manufacturer?</li></ol>		□No □No

PART VI: EQUIPMENT MAINTENANCE	(check ⊻ box for each	
<ol> <li>Is the crematory unit maintained in accordance with the manufacturer's specifications?</li> <li>Is there a written plan onsite which addresses the operating procedures during startup,</li> </ol>	- 🛛 Yes	No
<ul> <li>shutdown and malfunction?</li></ul>		□No □No
a. Was the flame characteristic visually checked at least once during each operating shift? b. Was the flame adjusted when necessary?		□No □No

PART VII: <u>EU INSPECTIO</u>	N COMPLIANCE STATUS (check	✓ only one box)	
IN COMPLIANCE	MINOR Non-COMPLIANCE	SIGNIFICANT Non-COMPLIANCE	

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#### Emissions Unit Section <u>3 – New Natural Gas Fired Power Pak II INCINERATOR</u>

PART I: FILE REVIEW PRIOR TO INSPECTION		
<ol> <li>a. Complete AC application or, if no AC permit, initial GP registration received on or after August 30, 1989?</li> </ol>	X 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. Manufacturer's recommended capacity:		_
3. Crematory unit installed after February 1, 2007?	Yes	No
4. Date of last inspection: $6/26/2012$		
5. 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: $6/20/2012$		
e. Was the VE test report filed with the compliance authority no later than 45 days after the test?		No
f. Did the facility demonstrate compliance during the last VE test?	· 🛛 Yes	No
If no, what was the problem (if known)?		

#### PART II: VISIBLE EMISSIONS TESTING 1. Was a visible emissions test conducted by the facility for this unit during this site visit? ------ $\bowtie$ Yes ...No a. Operating capacity during test? 400 🖂 lbs for batch unit 🗌 lbs/hr for ram-charged unit b. Was the operating capacity greater than the manufacturer's recommended capacity? ------X Yes ...No c. Was the test conducted with the unit operating at a capacity that is representative of normal operations? ..No Yes d. Was the visible emissions test conducted according to EPA Method 9? -----Yes ...No e. The visible emission test resulted in an opacity of $\underline{0}$ % for the highest six minute average. f. Did the visible emission test demonstrate compliance with the limit? -----Yes 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? ------X..No Yes b. Was the operating capacity greater than the manufacturer's recommended capacity? ------T Yes ...No c. Was the test conducted with the unit operating at a capacity that is representative of normal operations? Yes ..No d. Was the visible emissions test conducted according to EPA Method 9? -----Yes ...No e. The visible emission test resulted in an opacity of \_\_\_\_\_% for the highest six minute average. f. 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) 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?

## PART III: MONITORING/RECORDKEEPING REQUIREMENTS

1.	Were there any objectionable odors detected?	Yes	🖾No
	An upwind/downwind survey of the facility was conducted. The observed parameters were: Wind direction Downwind odor level detected Upwind odor level detected	Scale: 1-10 (	worst)
2.	Continuous Monitoring Systems –		
	Is a continuous temperature monitoring system installed on each unit to record temperatures in the secondary chamber in accordance with the manufacturer's instructions?	Xes	No
b	Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence time at $\square$ 1,800 <sup>1</sup> $\boxtimes$ 1,600 <sup>2</sup> degrees was determined?	Xes Yes	No
c.	<ul><li>Are the following records kept on file, available for inspection, for at least the past two years?</li><li>(1) All temperature measurements</li></ul>	🛛 Yes	No
	<ul> <li>monitoring system all continuous performance evaluations</li> <li>(3) All CEMS or monitoring device calibration checks (last performed on)</li> </ul>	🛛 Yes	□No □No
	<ul> <li>(4) Adjustments</li> <li>(5) Preventive maintenance performed on systems/devices</li> <li>(6) Corrective maintenance performed on systems/devices</li> </ul>		□No □No □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 Was the crematory unit installed <b>after 2/1/07</b> ? If no, skip $e_{(1)} - (3)$	🛛 Yes	□No □No
	<ul> <li>(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatic control combustion based on continuous in-stack opacity measurement?</li></ul>		XNo
	exceeds 15% opacity ?	Yes	No
	(3) Has the opacity measurement system been cleaned and checked for proper operation in accordance with the manufacturer's recommended maintenance schedule?	Yes	No

## PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES

1.	If the application to construct was <b><u>BEFORE</u></b> August 30, 1989 is the: a. actual operating temperature of the secondary chamber combustion zone no less than <b>1400°F</b> throughout the combustion process in the primary chamber? Yes b. secondary chamber combustion zone temperature equal to or greater than <b>1400°F</b> before the cremation	No
	process begins in the primary chamber? Yes	L.No
2.	If the application to construct <b>ON</b> or <b>AFTER</b> August 30, 1989 is the:	
	a. the actual operating temperature of the secondary chamber combustion zone no less than <b>1600°F</b>	
	throughout the combustion process in the primary chamber? Yes	No
	b. secondary chamber combustion zone temperature equal to or greater than <b>1600°F</b> before the cremation	
	process begins in the primary chamber? Yes	No

PART V: <u>ALLOWED MATERIALS</u>			
	Besides animal remains and, if applicable, the bedding associated with the animals and appropriate contained appropriate contained and appropriate contained appropriate contain		
	are any other materials, including biomedical wastes, incinerated in the unit? If yes, what other materials?	Yes	⊠No
2.	Do 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?	Xes Yes	No

PART VI: EQUIPMENT MAINTENANCE		-
<ol> <li>Is the crematory unit maintained in accordance with the manufacturer's specifications?</li> <li>Is there a written plan onsite which addresses the operating procedures during startup,</li> </ol>	🛛 Yes	No
shutdown and malfunction?	Yes Yes	□No ⊠No
If no, skip a. – b. a. Was the flame characteristic visually checked at least once during each operating shift? b. Was the flame adjusted when necessary?		□No □No

PART VII: <u>EU INSPECTION COMPLIANCE STATUS</u> (check d only one box)			
IN COMPLIANCE	MINOR Non-COMPLIANCE	SIGNIFICANT Non-COMPLIANCE	

## Facility Section (continued)

SPECIAL CONDITIONS AND PROCEDURES	(check 🗹 box for each	only one question)
Administrative Changes:		
<ol> <li>Were there any changes in the name, address, or phone number of the facility or authorized representativ associated with a change in ownership or with a physical relocation of the facility or any emissions units operations comprising the facility; or any other similar minor administrative change at the facility?</li> <li>If yes, did the facility provide written notification within 30 days of the change?</li></ol>	s or	⊠No □No
New or Modified Process Equipment or Change in Ownership:		
<ul> <li>3. Since the last registration form submittal has there been</li></ul>	<ul> <li>☐ Yes</li> <li>☐ Yes</li> <li>☐ Yes</li> <li>☐ Yes</li> <li>☐ Yes</li> <li>☐ Yes</li> </ul>	<ul> <li>∴No</li> <li>∴No</li> <li>∴No</li> <li>∴No</li> <li>∴No</li> <li>∴No</li> </ul>

FRANK DELGADO

Inspector's Name (Please Print)

Date of Inspection

4/2014

Inspector's Signature

Approximate Date of Next Inspection

4/26/2013

**COMMENTS:** EUGENE SCHALTENBRAND OF BROOKS AND ASSOCIATES PERFORMED THREE (3) ONE HOUR VE TESTS ON THE TWO ANIMAL CREMATORIES AND ONE SIMONDS INCINERATOR. THE TWO POWER PAK CREMATORIES PASSED THE TEST. THE SECONDARY CHAMBER TEMPERATURE WAS GREATER THAN 1600 DEGREES FARENHEIT. I DID NOT OBSERVE ANY VISIBLE EMISSIONS DURING THE TESTS. THE SIMONDS INCINERATOR FAILED THE TEST. THE SECONDARY CHAMBER TEMPERATURE WAS 969 DEGREES FARENHEIT, WHICH IS BELOW THE REQUIRED 1400 DEGREE FARENHEIT. MR. SANTOS SENT ME AN E-MAIL IN WHICH HE SAYS THAT THE REASON THE UNIT FAILED THE VE TEST WAS THAT SOME OF THE REFRACTORY BRICKS ON THE BOTTOM CHAMBER FELL OFF AND OBSTRUCTED THE AIR FLOW. THIS PROBLEM WILL BE CORRECTED AND THE UNIT WILL BE RE-TESTED AS SOON AS POSSIBLE.

> **REVIEWED** By Ray Gordon at 10:40 am, May 28, 2013