

ANIMAL CREMATORY



COMPLIANCE INSPECTION CHECKLIST

INSP		(INS1, INS2) CTION (FUI)	COMPLA		SCOVERY INT NO:	(CI)		
AIRS	SID#: 0950149 DATE: <u>3/7/20</u>	<u>11</u>	ARRIVE:	08:30AN	<u>M</u>	DEPART: 12	2:30PM	
FAC	ILITY NAME: GREENBRIER	MEMORY GARDE	ENS					
FAC	ILITY LOCATION: 370	3 W KELLY PARK I	RD					
	APO	OPKA 32712-5134						
Er CON Er	NER/AUTHORIZED REPRES nail: TACT NAME: nail: ITLEMENT PERIOD: 11/1/ (effectiv	2009 / 11/1/2014	RY GRIMM]	PHONE: Mobile: PHONE: Mobile:	(407)886-2620		
	I I: <u>INSPECTION</u> <u>COMPLIA</u> ✓ IN COMPLIANCE ☐ I			one box)	NIFICANT	`Non-COMPLIA	NCE	
1. Na	TII: ONSITE INTRODUCTO ame(s) of facility representative(rief Notes:		<u>I</u>				(check 🗹 ox for each c	only one question)
	the Authorized Representative s no, who is?:	till BARRY GRIMM	?			[⊠ Yes	□No
3. Is	different, did the facility provide the facility contact still?no, who is?:	e an administrative up	odate within 3	0 days? -		[[Yes Yes	□No □No
	fill facility be conducting VE test yes, was the compliance authori						⊠ Yes ⊠ Yes	□No □No

Emissions Unit Section 1-ANIMAL CREMATOR #2

PA	RT I: FILE REVIEW PRIOR TO INSPECTION	(check 🗹 box for each	only one
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
3. 4.	Manufacturer's recommended capacity: $\underline{150}$ \boxtimes lbs for batch unit \square lbs/hr for ram-charged unit. Crematory unit installed after February 1, 2007?	☐ Yes	⊠No
5.	Past Visible Emissions (VE) tests: a. Was a VE test performed within each of the past 4 calendar years? b. Has a VE test been performed yet within the current calendar year? c. If first year of operation, was a VE test performed within 30 days of commencing	∑ Yes ☐ Yes	□No ⊠No
	operation? N/A d. Date of last VE test: 3/8/2010	☐ Yes	□No
	e. Was the VE test report filed with the compliance authority no later than 45 days after the test? f. Did the facility demonstrate compliance during the last VE test? If no, what was the problem (if known)?	✓ Yes✓ Yes	□No □No
PA	RT II: <u>VISIBLE EMISSIONS TESTING</u>	(check ☑ box for each	only one
a. 6 b. 7 c. 7 d. e. 7	Was a visible emissions test conducted by the facility for this unit during this site visit?	Yes Yes Yes Yes Yes Yes in any one-hour)	□No □No □No □No
a. 6 b. 7 c. 7 d. e. 7	Was a visible emissions test conducted by the inspector during this site visit?	✓ Yes✓ Yes	□No □No □No □No
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?		∑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 – 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?		□No
c. Are the following records kept on file, available for inspection, for at least the past two years? (1) All temperature measurements (2) All continuous monitoring systems, monitoring devices, and performance testing measurements	;	□No
monitoring system all continuous performance evaluations	Yes Yes Yes	□No □No □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 e. Was the crematory unit installed after 2/1/07? If no, skip e.(1) – (3)		□No ⊠No
control combustion based on continuous in-stack opacity measurement?	ty Yes	□No □No □No
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check 🗹 box for each	only one
If the application to construct was <u>BEFORE</u> 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremprocess begins in the primary chamber?	nation	□No
2. If the application to construct <u>ON</u> or <u>AFTER</u> 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? ————————————————————————————————————	nation	□No
	(check ☑ box for each	only one
1. Besides animal remains and, if applicable, the bedding associated with the animals and appropriate c are any other materials, including biomedical wastes, incinerated in the unit?	ontainers, Yes	⊠No ⊠No

PART VI: EQUIPMENT MAINTENANCE	(check ☑ box for each	•
 Is the crematory unit maintained in accordance with the manufacturer's specifications?	- ⊠ Yes ⊠ Yes ⊠ Yes	No No No No No
PART VII: EU INSPECTION COMPLIANCE STATUS (check ☑ only one box) ☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMP	LIANCE	

Emissions Unit Section 3 - Animal Cremator #3

	ART I: FILE REVIEW PRIOR TO INSPECTION	(check ☑ box for each o	only one question)
1.	 a. Complete AC application or, if no AC permit, initial GP registration received on or after August 30, 1989? b. If yes, were design calculations provided then to confirm a sufficient volume in the 	⊠ Yes	□No
	secondary chamber combustion zone to provide for at least a 1.0 second gas residence time at 1800 degrees Fahrenheit?	⊠ Yes	□No
3. 4.	Manufacturer's recommended capacity: <u>150</u> ⊠ lbs for batch unit ☐ lbs/hr for ram-charged unit. Crematory unit installed after February 1, 2007?	Yes	⊠No
5.	Past Visible Emissions (VE) tests: a. Was a VE test performed within each of the past 4 calendar years? b. Has a VE test been performed yet within the current calendar year? c. If first year of operation, was a VE test performed within 30 days of commencing	⊠ Yes □ Yes	□No ⊠No
	operation? N/A d. Date of last VE test: 3/8/2010	Yes	□No
	e. Was the VE test report filed with the compliance authority no later than 45 days after the test? f. Did the facility demonstrate compliance during the last VE test? If no, what was the problem (if known)?	✓ Yes✓ Yes	□No □No
PA	ART II: <u>VISIBLE EMISSIONS TESTING</u>		only one
		box for each o	question)
a.	Was a visible emissions test conducted by the facility for this unit during this site visit?Operating capacity during test? 210 ⊠ lbs for batch unit □ lbs/hr for ram-charged unit	⊠ Yes	□No
c.	Was the operating capacity greater than the manufacturer's recommended capacity?		⊠No □No
e.	Was the visible emissions test conducted according to EPA Method 9? The visible emission test resulted in an opacity of $\underline{0}$ % for the highest six minute average.	∑ Yes∑ Yes	□No
1.	Did the visible emission test demonstrate compliance with the limit? (5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes		□No
	Was a visible emissions test conducted by the inspector during this site visit?	Yes	□No
c.	Was the operating capacity greater than the manufacturer's recommended capacity?		⊠No □No
e.	Was the visible emissions test conducted according to EPA Method 9? The visible emission test resulted in an opacity of $\underline{0}$ % for the highest six minute average.		□No
f.	Did the visible emission test demonstrate compliance with the limit?(5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes	Yes in any one-hour)	∐No
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?		ZJ10

PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ☑ only or	
	box for each question	n)
1. Were there any objectionable odors detected?		О
An upwind/downwind survey of the facility was conducted. The observed parameters we Wind direction Downwind odor level detected Upwind odor level detected-		
2. Continuous Monitoring Systems –		
a Is a continuous temperature monitoring system installed on each unit to record temperatur secondary chamber in accordance with the manufacturer's instructions?		О
b Is the temperature probe properly placed, at least at the distance where the 1.0 second gas time at \(\sum 1,800^1 \subseten 1,600^2 \) degrees was determined?		О
c. Are the following records kept on file, available for inspection, for at least the past two ye (1) All temperature measurements (2) All continuous monitoring systems, monitoring devices, and performance testing mea	\(\sum \) Yes \(\sup \)No	О
monitoring system all continuous performance evaluations	YesNo	
(4) Adjustments	\(\sum \) Yes \(\sup \)No	
(5) Preventive maintenance performed on systems/devices (6) Corrective maintenance performed on systems/devices		
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		
e. Was the crematory unit installed after 2/1/07 ? If no, skip e.(1) – (3)(1) Is the crematory unit equipped and operated with a pollutant monitoring system control combustion based on continuous in-stack opacity measurement?	n to automatically	
(2) Is the system calibrated to restrict combustion in the primary chamber whenever exceeds 15% opacity?	er any opacity	
(3) Has the opacity measurement system been cleaned and checked for proper opera accordance with the manufacturer's recommended maintenance schedule?		О
	(check ☑ only or	ne
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	box for each question	_
If the application to construct was <u>BEFORE</u> August 30, 1989 is the: a. actual operating temperature of the secondary chamber combustion zone no less than 1	1.400°F	
throughout the combustion process in the primary chamber?		О
b. secondary chamber combustion zone temperature equal to or greater than 1400 °F before process begins in the primary chamber?		o
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 that throughout the combustion process in the primary chamber?		o
b. secondary chamber combustion zone temperature equal to or greater than 1600°F before process begins in the primary chamber?		О
	(check ☑ only or	ne
PART V: <u>ALLOWED MATERIALS</u>	box for each question	n)
Besides animal remains and, if applicable, the bedding associated with the animals and appare any other materials, including biomedical wastes, incinerated in the unit? If yes, what other materials? No chlorinated plastics used.		О
2. Do containers contain no more than 0.5 percent by weight chlorinated plastics as certified by the manufacturer?		

PART VI: <u>EQUIPMENT MAINTENANCE</u>	(check v box for each	•
 Is the crematory unit maintained in accordance with the manufacturer's specifications?	Yes Yes	No No No No No
PART VII: EU INSPECTION COMPLIANCE STATUS (check ☑ only one box)		
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPI	LIANCE	

Emissions Unit Section 4 – Animal Cremator Unit #4

PART I: FILE REVIEW PRIOR TO INSPECTION	(check 🗹 box for each	only one 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
 Manufacturer's recommended capacity: 300 ∑ lbs for batch unit ☐ lbs/hr for ram-charged unit. Crematory unit installed after February 1, 2007?	Yes	⊠No
5. Past Visible Emissions (VE) tests: a. Was a VE test performed within each of the past 4 calendar years? b. Has a VE test been performed yet within the current calendar year?	⊠ Yes □ Yes	□No ⊠No
c. If first year of operation, was a VE test performed within 30 days of commencing operation? N/A d. Date of last VE test: 3/8/2010	☐ Yes	□No
e. Was the VE test report filed with the compliance authority no later than 45 days after the test? f. Did the facility demonstrate compliance during the last VE test? If no, what was the problem (if known)?		∐No □No
PART II: VISIBLE EMISSIONS TESTING	(check ☑	only one
	box for each	
1. Was a visible emissions test conducted by the facility for this unit during this site visit?a. Operating capacity during test? 200 ⊠ lbs for batch unit □ lbs/hr for ram-charged unit	Yes	□No
b. Was the operating capacity greater than the manufacturer's recommended capacity?c. Was the test conducted with the unit operating at a capacity that is representative of normal operations?	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 <u>0</u> % for the highest six minute average. f. Did the visible emission test demonstrate compliance with the limit?		∐No □No
(5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes		
2. Was a visible emissions test conducted by the inspector during this site visit?a. Operating capacity during test? 200 🖂 lbs for batch unit 🗌 lbs/hr for ram-charged unit	⊠ Yes	□No
b. Was the operating capacity greater than the manufacturer's recommended capacity?c. Was the test conducted with the unit operating at a capacity that is representative of normal operations?	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 <u>0</u> % for the highest six minute average. f. Did the visible emission test demonstrate compliance with the limit?		□No
(5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes		
3. Is there any reason to ask for a special test to determine compliance with the PM and CO standar	rds?	⊠No
If yes, what reason?	☐ 1 es	△1 N U

PA	ART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ☑ box for each	only one
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 (v	worst)
2. a	Continuous Monitoring Systems – Is a continuous temperature monitoring system installed on each unit to record temperatures in the		
b	secondary chamber in accordance with the manufacturer's instructions?	⊠ Yes	□No
	time at $\boxtimes 1,800^1$ $\square 1,600^2$ degrees was determined?	⊠ Yes	□No
c.	Are the following records kept on file, available for inspection, for at least the past two years? (1) All temperature measurements (2) All continuous monitoring systems, monitoring devices, and performance testing measurements;	⊠ Yes	□No
	monitoring system all continuous performance evaluations		□No
	(3) All CEMS or monitoring device calibration checks (last performed on 3/3/2011)(4) Adjustments	⊠ Yes ⊠ Yes	□No □No
	(5) Preventive maintenance performed on systems/devices	⊠ Yes	□No
	(6) Corrective maintenance performed on systems/devices	Yes	□No
	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 ⊠No
	control combustion based on continuous in-stack opacity measurement?		□No
	(2) Is the system calibrated to restrict combustion in the primary chamber whenever any opacity exceeds 15% opacity?	- Yes	□No
	accordance with the manufacturer's recommended maintenance schedule?	Yes	□No
		(check 🗹	only one
PA	ART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	box for each	question)
1.	If the application to construct was <u>BEFORE</u> 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?		□No
	b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremati process begins in the primary chamber?	Yes	□No
2.	If the application to construct <u>ON</u> or <u>AFTER</u> 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? —————————b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone and the secondary chamber combustion zone are secondary chamber combustion zone and the secondary chamber combustion zone are secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical content of the second	∑ Yes	□No
	process begins in the primary chamber?	⊠ Yes	□No
		(check ☑	only one
PA	ART V: <u>ALLOWED MATERIALS</u>	box for each	question)
1.	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?		⊠No
2.	Do containers contain no more than 0.5 percent by weight chlorinated plastics as certified by the manufacturer?	Yes	⊠No ⊠ No

PART VI: <u>EQUIPMENT MAINTENANCE</u>	(check ☑ box for each	•
 Is the crematory unit maintained in accordance with the manufacturer's specifications?	Yes Yes Yes	No No No No No
PART VII: EU INSPECTION COMPLIANCE STATUS (check ✓ only one box) ☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE	LIANCE	

Emissions Unit Section 5 - Animal Cremator No. 5 (Mathews Creamtion Div., Model IEB-50)

PART I: FILE REVIEW PRIOR TO INSPECTION	box for each	only one question)
a. Complete AC application or, if no AC permit, initial GP registration receive after August 30, 1989? b. If yes, were design calculations provided then to confirm a sufficient volume.	X Yes	□No
secondary chamber combustion zone to provide for at least a 1.0 second at 1800 degrees Fahrenheit?	d gas residence time Yes	□No
 Manufacturer's recommended capacity: 300 ∑ lbs for batch unit ☐ lbs/hr Crematory unit installed after February 1, 2007?		⊠No
5. Past Visible Emissions (VE) tests: a. Was a VE test performed within each of the past 4 calendar years? b. Has a VE test been performed yet within the current calendar year?	Yes	□No ⊠No
c. If first year of operation, was a VE test performed within 30 days of commoperation?d. Date of last VE test: 3/8/2010		□No
e. Was the VE test report filed with the compliance authority no later than 45 f. Did the facility demonstrate compliance during the last VE test?		□No □No
PART II: <u>VISIBLE EMISSIONS TESTING</u>	(check ☑ box for each	only one question)
1. Was a visible emissions test conducted by the facility for this unit during a. Operating capacity during test? 2500 ⊠ lbs for batch unit □ lbs/hr for ram-		□No
b. Was the operating capacity greater than the manufacturer's recommended cap c. Was the test conducted with the unit operating at a capacity that is representat d. Was the visible emissions test conducted according to EPA Method 9?	tive of normal operations? X Yes Yes Yes	SNo SNo SNo SNo
e. The visible emission test resulted in an opacity of $\underline{0}$ % for the highest six min f. Did the visible emission test demonstrate compliance with the limit? (5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall	X Yes	□No
2. Was a visible emissions test conducted by the inspector during this site via. Operating capacity during test? 2500 ⊠ lbs for batch unit □ lbs/hr for ram		□No
b. Was the operating capacity greater than the manufacturer's recommended cap c. Was the test conducted with the unit operating at a capacity that is representat d. Was the visible emissions test conducted according to EPA Method 9?	pacity? ☐ Yes tive of normal operations? ☐ Yes ☐ Yes ☐ Yes ☐ Yes	NoNoNo
e. The visible emission test resulted in an opacity of <u>0</u> % for the highest six min f. Did the visible emission test demonstrate compliance with the limit?(5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall	X Yes	□No
3. Is there any reason to ask for a special test to determine compliance with	the PM and CO standards?	⊠No
If yes, what reason?	□ 1 es	₩INO

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:		
Wind direction Downwind odor level detected Upwind odor level detected-	Scale: 1-10	(worst)
2. Continuous Monitoring Systems –		
a Is a continuous temperature monitoring system installed on each unit to record temperatures in the	∇ v	
secondary chamber in accordance with the manufacturer's instructions?	⊠ Yes	□No
time at $\boxtimes 1,800^1$ $\square 1,600^2$ degrees was determined?	⊠ Yes	□No
(Application or initial notification: ¹ received on or after 8/30/89; ² received before 8/30/89)	<u> </u>	
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;	- X Yes	□ No
monitoring system all continuous performance evaluations(3) All CEMS or monitoring device calibration checks (last performed on 3/3/2011)		□No □No
(4) Adjustments	X 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 automatic	· · · · · · · · · · · · · · · · · · ·	<u></u>
control combustion based on continuous in-stack opacity measurement?		□No
(2) Is the system calibrated to restrict combustion in the primary chamber whenever any opacity		
exceeds 15% opacity ?	· 🗌 Yes	□No
(3) Has the opacity measurement system been cleaned and checked for proper operation in		
(3) Has the opacity measurement system been cleaned and checked for proper operation in accordance with the manufacturer's recommended maintenance schedule?		□No
		No
	Yes	only one
accordance with the manufacturer's recommended maintenance schedule?	Yes (check 🗹	only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	Yes (check 🗹	only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 1. If the application to construct was BEFORE August 30, 1989 is the:	Yes (check 🗹	only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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	Yes (check 🗹 box for each	only one n question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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?	Yes (check 🗹 box for each	only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremater than 1400°F throughout the combustion zone temperature equal to or greater than 1400°F before the cremater than 1400°F throughout the combustion zone temperature equal to or greater than 1400°F throughout the cremater than 1400°F throughout the combustion zone temperature equal to or greater than 1400°F throughout the cremater than 1400°F throughout the cremater than 1400°F throughout the combustion zone temperature equal to or greater than 1400°F throughout throughout the cremater than 1400°F throughout throughout the combustion zone temperature equal to or greater than 1400°F throughout	Yes (check ☑ box for each Yes	only one a question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremat process begins in the primary chamber?	Yes (check 🗹 box for each	only one n question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremater process begins in the primary chamber? 2. If the application to construct ON or AFTER August 30, 1989 is the:	Yes (check ☑ box for each Yes	only one question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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	Yes (check ☑ box for each Yes Yes Yes	only one a question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber?	Yes (check \(\sumset \) box for each Yes Yes Yes	only one question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate the combustion zone temperature equal to or greater than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate than 1600°F	Yes (check \(\sumset \) box for each Yes Yes Yes	only one a question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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?	Yes (check \(\sumset \) box for each Yes Yes Yes Yes Yes Yes	only one a question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber?	Yes (check \(\vec{\sqrt{Y}} \) box for each Yes Yes Yes Yes Yes (check \(\vec{\sqrt{Y}} \)	only one question) NoNoNoNo only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate the combustion zone temperature equal to or greater than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate than 1600°F	Yes (check \(\sumset \) box for each Yes Yes Yes Yes Yes Yes	only one question) NoNoNoNo only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber?	Yes (check \(\vec{\sqrt{Y}} \) box for each Yes Yes Yes Yes Yes (check \(\vec{\sqrt{Y}} \)	only one question) NoNoNoNo only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber? PART V: ALLOWED MATERIALS	Yes (check \(\vec{\sqrt{y}} \) box for each Yes Yes Yes Yes (check \(\vec{\sqrt{y}} \) box for each	only one question) NoNoNoNo only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber?	Yes (check \(\vec{\sqrt{y}} \) box for each Yes Yes Yes Yes (check \(\vec{\sqrt{y}} \) box for each	only one question) NoNoNoNo only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber? PART V: ALLOWED MATERIALS 1. Besides animal remains and, if applicable, the bedding associated with the animals and appropriate contents.	Yes (check \(\vec{\sqrt{y}} \) box for each Yes Yes Yes Yes Yes (check \(\vec{\sqrt{y}} \) box for each	only one a question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 1. If the application to construct was BEFORE a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	Yes (check \(\vec{\sqrt{y}} \) box for each Yes Yes Yes Yes Yes (check \(\vec{\sqrt{y}} \) box for each	only one a question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber? PART V: ALLOWED MATERIALS 1. Besides animal remains and, if applicable, the bedding associated with the animals and appropriate cortain are any other materials, including biomedical wastes, incinerated in the unit? If yes, what other materials? No chlorinated plastics used.	Yes (check \(\sqrt{1} \) box for each Yes Yes Yes Yes (check \(\sqrt{1} \) box for each tainers, Yes	only one a question) NoNoNo only one a question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 1. If the application to construct was BEFORE a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	Yes (check box for each Yes Yes Yes Yes (check box for each xtainers, Yes Yes	only one a question)

PART VI: EQUIPMENT MAINTENANCE		only one question)				
 Is the crematory unit maintained in accordance with the manufacturer's specifications?		No No No No No				
PART VII: EU INSPECTION COMPLIANCE STATUS (check ☑ only one box)						
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE						

Emissions Unit Section 6-Animal Cremator #6

PART I: FILE REVIEW PRIOR TO INSPECTION	(check 🗹 box for each	only one 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. Manufacturer's recommended capacity: 150 ∑ lbs for batch unit ☐ lbs/hr for ram-charged unit. 3. Crematory unit installed after February 1, 2007?	Yes	⊠No
5. Past Visible Emissions (VE) tests: a. Was a VE test performed within each of the past 4 calendar years? b. Has a VE test been performed yet within the current calendar year?	⊠ Yes □ Yes	□No ⊠No
c. If first year of operation, was a VE test performed within 30 days of commencing operation? N/A d. Date of last VE test: 3/8/2010	Yes	□No
e. Was the VE test report filed with the compliance authority no later than 45 days after the test? f. Did the facility demonstrate compliance during the last VE test? If no, what was the problem (if known)?		□No □No
PART II: <u>VISIBLE EMISSIONS TESTING</u>	(check ☑ box for each	only one question)
1. Was a visible emissions test conducted by the facility for this unit during this site visit?a. Operating capacity during test? 180 Ibs for batch unit Ibs/hr for ram-charged unit	⊠ Yes	□No
b. Was the operating capacity greater than the manufacturer's recommended capacity?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 ⊠ Yes	□No□No
e. The visible emission test resulted in an opacity of <u>0</u> % for the highest six minute average. f. Did the visible emission test demonstrate compliance with the limit? (5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes		□No
2. Was a visible emissions test conducted by the inspector during this site visit?a. Operating capacity during test? 180 🖂 lbs for batch unit 🗌 lbs/hr for ram-charged unit	⊠ Yes	□No
b. Was the operating capacity greater than the manufacturer's recommended capacity?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	⊠No □No □No
e. The visible emission test resulted in an opacity of 0 % for the highest six minute average. f. Did the visible emission test demonstrate compliance with the limit? (5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes	⊠ Yes	□No
3. Is there any reason to ask for a special test to determine compliance with the PM and CO standar	-	
If yes, what reason?	Yes	⊠No

PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check 🗹	•
	box for each	n 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)
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 $\boxtimes 1,800^1$ $\square 1,600^2$ degrees was determined?	⊠ Yes	□No
(Application or initial notification: \(^1\) received on or after 8/30/89; \(^2\) received before 8/30/89)		
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		□No
(3) All CEMS or monitoring device calibration checks (last performed on 3/3/2011)	X Yes	∐No
(4) Adjustments(5) Preventive maintenance performed on systems/devices	Yes Var	∐No
(5) Preventive maintenance performed on systems/devices		□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		□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 automatic		_
control combustion based on continuous in-stack opacity measurement?		□No
(2) Is the system calibrated to restrict combustion in the primary chamber whenever any opacity		
exceeds 15% opacity?	- Yes	□No
(2) II (1) (
(3) Has the opacity measurement system been cleaned and checked for proper operation in	□ Vac	П
(3) Has the opacity measurement system been cleaned and checked for proper operation in accordance with the manufacturer's recommended maintenance schedule?	Yes	□No
	(check 🗹	only one
		only one
accordance with the manufacturer's recommended maintenance schedule?	(check 🗹	only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check 🗹	only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 1. If the application to construct was BEFORE August 30, 1989 is the:	(check 🗹	only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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	(check ☑ box for each	only one n question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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?	(check 🗹 box for each	only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremater than 1400°F throughout the combustion zone temperature equal to or greater than 1400°F before the cremater than 1400°F throughout the combustion zone temperature equal to or greater than 1400°F throughout the cremater than 1400°F throughout the combustion zone temperature equal to or greater than 1400°F throughout the cremater than 1400°F throughout the cremater than 1400°F throughout the combustion zone temperature equal to or greater than 1400°F throughout throughout the cremater than 1400°F throughout throughout the cremater throughout the combustion zone temperature equal to or greater than 1400°F throughout throughout throughout throughout the cremater throughout throug	(check 🗹 box for each Yes	only one n question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremat process begins in the primary chamber?	(check 🗹 box for each	only one n question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremater process begins in the primary chamber? 2. If the application to construct ON or AFTER August 30, 1989 is the:	(check 🗹 box for each Yes	only one n question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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	(check 🗹 box for each Yes tion Yes	only one n question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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?	(check 🗹 box for each Yes ion Yes Yes	only one n question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate the combustion zone temperature equal to or greater than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate than 1600°F	(check 🗹 box for each Yes ion Yes Yes	only one n question)
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PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate the combustion zone temperature equal to or greater than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate than 1600°F	(check 🗹 box for each Yes ion Yes Yes	only one n question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber?	(check 🗹 box for each Yes ion Yes Yes ion Yes Yes	only one n question) NoNoNoNo only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate the combustion zone temperature equal to or greater than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate the cremate than 1600°F before the cremate than 1600°F	(check 🗹 box for each Yes ion Yes Yes ion Yes (check 🗹	only one n question) NoNoNoNo only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber?	(check 🗹 box for each Yes ion Yes Yes ion Yes (check 🗹	only one n question) NoNoNoNo only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber? PART V: ALLOWED MATERIALS 1. Besides animal remains and, if applicable, the bedding associated with the animals and appropriate contents.	(check \(\vec{\su} \) box for each Yes tion Yes Yes tion Yes (check \(\vec{\su} \) box for each	only one in question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber? PART V: ALLOWED MATERIALS 1. Besides animal remains and, if applicable, the bedding associated with the animals and appropriate corare any other materials, including biomedical wastes, incinerated in the unit?	(check \(\vec{\su} \) box for each Yes tion Yes Yes tion Yes (check \(\vec{\su} \) box for each	only one n question) NoNoNoNo only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber? PART V: ALLOWED MATERIALS 1. Besides animal remains and, if applicable, the bedding associated with the animals and appropriate contents.	(check \(\vec{\su} \) box for each Yes tion Yes Yes tion Yes (check \(\vec{\su} \) box for each	only one in question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 1. If the application to construct was BEFORE a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	(check \(\vec{\su} \) box for each Yes tion Yes Yes tion Yes (check \(\vec{\su} \) box for each	only one in question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremate process begins in the primary chamber? 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? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremate process begins in the primary chamber? PART V: ALLOWED MATERIALS 1. Besides animal remains and, if applicable, the bedding associated with the animals and appropriate core are any other materials, including biomedical wastes, incinerated in the unit? If yes, what other materials? No chlorinated plastics used.	(check 🗹 box for each Yes tion Yes Yes Check 🗹 box for each tainers, Yes	only one in question) NoNoNo only one in question)
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES 1. If the application to construct was BEFORE a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	(check ☑ box for each white box	only one in question)

PART VI: EQUIPMENT MAINTENANCE	(check ☑ box for each	•			
 Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction?	✓ Yes✓ Yes✓ Yes✓ Yes✓ Yes✓ Yes	No No No No No			
PART VII: EU INSPECTION COMPLIANCE STATUS (check ✓ only one box) ☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE					

Emissions Unit Section 7 – Animal Crematory-#1 pri/2ndary chmbrs, NG fired, opacity/temp

PART I: FILE REVIEW PRIOR TO INSPECTION			only one question)		
1.	 a. Complete AC application or, if no AC permit, initial GP registration received on or after August 30, 1989? b. If yes, were design calculations provided then to confirm a sufficient volume in the 	⊠ Yes	□No		
	secondary chamber combustion zone to provide for at least a 1.0 second gas residence time at 1800 degrees Fahrenheit?	⊠ Yes	□No		
3.	Manufacturer's recommended capacity: $\underline{125} \boxtimes lbs$ for batch unit $\square lbs/hr$ for ram-charged unit. Crematory unit installed after February 1, 2007?	☐ Yes	⊠No		
5.	Past Visible Emissions (VE) tests: a. Was a VE test performed within each of the past 4 calendar years? b. Has a VE test been performed yet within the current calendar year? c. If first year of operation, was a VE test performed within 30 days of commencing	⊠ Yes □ Yes	□No ⊠No		
	operation? N/A d. Date of last VE test: 3/8/2010	☐ Yes	□No		
	e. Was the VE test report filed with the compliance authority no later than 45 days after the test? f. Did the facility demonstrate compliance during the last VE test? If no, what was the problem (if known)?	∑ Yes∑ Yes	□No □No		
PA	ART II: <u>VISIBLE EMISSIONS TESTING</u>	(check ☑ box for each	only one question)		
	Was a visible emissions test conducted by the facility for this unit during this site visit?	⊠ Yes	□No		
c. d.	Was the operating capacity greater than the manufacturer's recommended capacity?	☐ Yes☒ Yes☒ Yes	⊠No □No □No		
	The visible emission test resulted in an opacity of $\underline{0}$ % for the highest six minute average. Did the visible emission test demonstrate compliance with the limit?	Yes in any one-hour)	□No		
	Was a visible emissions test conducted by the inspector during this site visit?	X Yes	□No		
b. c. d.	Was the operating capacity greater than the manufacturer's recommended capacity?	☐ Yes ⊠ Yes ⊠ Yes	NoNoNo		
	The visible emission test resulted in an opacity of $\underline{0}$ % for the highest six minute average. Did the visible emission test demonstrate compliance with the limit?	Yes in any one-hour)	□No		
3.	3. Is there any reason to ask for a special test to determine compliance with the PM and CO standards?				
	If yes, what reason?	∐ Yes	∠⊿140		

PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check 🗹 only one
	box for each question)
1. Were there any objectionable odors detected?	
An upwind/downwind survey of the facility was conducted. The observed parameters were Wind direction Downwind odor level detected Upwind odor level detected-	
2. Continuous Monitoring Systems –	
a Is a continuous temperature monitoring system installed on each unit to record temperatures secondary chamber in accordance with the manufacturer's instructions?	
b Is the temperature probe properly placed, at least at the distance where the 1.0 second gas retime at \(\sum 1,800^1 \subseteq 1,600^2 \) degrees was determined?	
c. Are the following records kept on file, available for inspection, for at least the past two year (1) All temperature measurements (2) All continuous monitoring systems, monitoring devices, and performance testing measurements	X YesNo
monitoring system all continuous performance evaluations	
(4) Adjustments	
(5) Preventive maintenance performed on systems/devices (6) Corrective maintenance performed on systems/devices	
 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 - e. Was the crematory unit installed after 2/1/07? If no, skip e.(1) - (3)	
(1) Is the crematory unit equipped and operated with a pollutant monitoring system to control combustion based on continuous in-stack opacity measurement?(2) Is the system calibrated to restrict combustion in the primary chamber whenever a	o automatically YesNo
exceeds 15% opacity?	YesNo
accordance with the manufacturer's recommended maintenance schedule?	
	(check ☑ only one
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	box for each question)
If the application to construct was <u>BEFORE</u> August 30, 1989 is the: a. actual operating temperature of the secondary chamber combustion zone no less than 14 throughout the combustion process in the primary chamber?	YesNo
b. secondary chamber combustion zone temperature equal to or greater than 1400°F before process begins in the primary chamber?	
 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 throughout the combustion process in the primary chamber? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before 	
process begins in the primary chamber?	
	(check ☑ only one
PART V: <u>ALLOWED MATERIALS</u>	box for each question)
Besides animal remains and, if applicable, the bedding associated with the animals and appr are any other materials, including biomedical wastes, incinerated in the unit? If yes, what other materials? No chlorinated plastics used.	
2. Do containers contain no more than 0.5 percent by weight chlorinated plastics as certified by the manufacturer?	

PART VI: EQUIPMENT MAINTENANCE (check only on box for each question					
 Is the crematory unit maintained in accordance with the manufacturer's specifications?				□No □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: EU INSPECTION C	OMPLIANCE STATUS (c)	heck 🗹 only one box)			
☐ IN COMPLIANCE	MINOR Non-COMPLIAN	CE SIGNIFICANT Non-COMPI	LIANCE		
Facility Section (continued)					
SPECIAL CONDITIONS AND PROCEDURES (check only one box for each question)					
associated with a change in own operations comprising the facili	nership or with a physical relo ty; or any other similar minor	per of the facility or authorized represental cation of the facility or any emissions under administrative change at the facility?lays of the change?	its or - Yes	⊠No ⊠No	
a. Installation of any newb. Alterations to existingc. Replacement of existind. A change in ownership	submittal has there been process equipment? process equipment without re g equipment with equipment of ? d. is Yes, was a new registra	placement?that is substantially different?tion form and the appropriate fee		□No□No□No□No□No□No	
Assefa Hailemariam		3/7/2011			
Inspector's Name (Ple	ase Print)	Date of Inspection			
		~3/2012			
Inspector's Signate	ure	Approximate Date of Next Ins	pection		

COMMENTS: The inspector, Mr. Assefa Hailemariam, met with Mr. Barry Grimm, President/owner for Greenbrier Pet Cremation Services, and Stephen Webb, consultant from Costal Air Consulting, Inc., at 3703 West Kelly Park Road, Apopka Florida 32712 on March 7, 2011, to audit the annual compliance visible emission test and records review of the facility. A facility walk-through was conducted to observe operating conditions and records review was conducted. This facility is a crematory for small to large animals. The facility has six emissions units which were manufactured by IFF and Mathews. The units use natural gas for fuel. The crematory incinerators, or the emissions units, all were tested for visible emissions and the observed opacity was 0% for all units. The emission units were operating at or above the required temperature of 1600 degrees Fahrenheit. The current permit and temperature charts and maintenance log book for all units were provided to the inspector by facility. No leaks or spills were observed during our walk-through of the facility and all areas were clean. Mr. Grimm provided logs book from 2008 to present.

(Under the permit, the facility is to required to keep the last two years of chart records, while the rest of the records are stored in the warehouse). These records show the operating secondary chamber temperature was greater than 1600 degrees Fahrenheit. The facility appears to be in good operating condition and no objectionable odors noticed