

HUMAN CREMATORY



COMPLIANCE INSPECTION CHECKLIST

INSPE		ANNUAL (INS1, INS2) RE-INSPECTION (FUI)	COMPLAINT/D ARMS COMPLA	ISCOVERY (CI)				
AIRS I	D#: 0190079 DA T	ГЕ: 10/19/2011	ARRIVE: <u>1130</u>	DEPART:	1230			
FACIL	FACILITY NAME: CLAY CREMATORY							
FACIL	ITY LOCATION	3149 CR 215						
		MIDDLEBURG :	32068-6478					
Ema CONT. Ema	nil: ACT NAME: Jan		/2014	PHONE: (904)284-400 Mobile: PHONE: Mobile:)()			
Facility Section								
PART I: INSPECTION COMPLIANCE STATUS (check ✓ only one box) ☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE								
D A D/E	II. ONGINE IND		α					
1. Nan	·	resentative(s): James Rain	_		(check ✓ only one box for each question)			
2. Is th			OADUS?		⊠ Yes □No			
3. Is th			tive update within 30 days?		☐ Yes ☐No ☐ Yes ☐No			
			y's inspection?ast 15 days in advance?		Yes			

Emissions Unit Section 1 – Human Crematory-prim/2ndary chmbrs, NG fired,200 #'s/hr rate

PA	RT I: FILE REVIEW PRIOR TO INSPECTION	(check ☑	only one	
		*	box for each question)	
		box for each	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	
	Crematory unit installed after February 1, 2007?	⊠ Yes	∐No	
	Date of last inspection:			
4.	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: 11/30/2010	- -		
	e. Was the VE test report filed with the compliance authority no later than 45 days after the test?	⊠ Yes	∐No	
	f. Did the facility demonstrate compliance during the last VE test?	⊠ Yes	∐No	
	If no, what was the problem (if known)?			
DΛ	RT II: VISIBLE EMISSIONS TESTING		_	
IA	KI II. VISIBLE EMISSIONS TESTING	(check ☑	only one	
		box for each	question)	
1	Was a visible emissions test conducted by the facility for this unit during this site visit?	Yes	⊠No	
	a. Was the test conducted with the unit operating at a capacity of one adult-sized cadaver?		□No	
	b. Was the visible emissions test conducted according to EPA Method 9?		□No	
	o. Was the visited emissions test conducted according to 2171 vicinity.			
	c. The visible emission test resulted in an opacity of % for the highest six minute average.			
	d. 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)		
		,		
2.	Was a visible emissions test conducted by the inspector during this site visit?		□No	
	a. Was the test conducted with the unit operating at a capacity of one (1) adult-sized cadaver?		□No	
	b. Was the visible emissions test conducted according to EPA Method 9?		□No	
	c. The visible emission test resulted in an opacity of 0 % for the highest six minute average.	_		
	d. Did the visible emission test demonstrate compliance with the limit?	Yes	□No	
3.	Is there any reason to ask for a special test to determine compliance with the PM and CO standar			
		☐ Yes	⊠No	
	If yes, what reason?			
D.A	DT HI. MONITODING/DECORD/JEDING DEGLIDEMENTS			
PA	RT III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ☑	only one	
PA	RT III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ☑ box for each	•	
		box for each	question)	
	Were there any objectionable odors detected?		•	
	Were there any objectionable odors detected?	box for each Yes	question)	
	Were there any objectionable odors detected?	box for each	question)	
1.	Were there any objectionable odors detected?	box for each Yes	question)	
 2. 	Were there any objectionable odors detected?	box for each Yes	question)	
 2. 	Were there any objectionable odors detected?	box for each Yes (1-10)	question) ⊠No	
1. 2. a	Were there any objectionable odors detected?	box for each Yes	question)	
1. 2. a	Were there any objectionable odors detected?	box for each Yes (1-10) Yes	question) SNo	
1. 2. a	Were there any objectionable odors detected?	box for each Yes (1-10)	question) ⊠No	

PA	PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)				
c.	Are the following records kept on file, available for inspection, for at least the past two years?				
	1) All temperature measurements	Yes Yes	□No		
	2) all continuous monitoring systems, monitoring devices, and performance testing measurements; monitoring system all continuous performance evaluations	⊠ Yes	□No		
	3) All CEMS or monitoring device calibration checks (last performed on (10/2010)		□No		
	4) Adjustments	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				
Д	when cremation in the primary chamber was begun, date, time, and temperature markings	X YesX Yes	∐No ∏No		
C.	(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatical				
	control combustion based on continuous in-stack opacity measurement?	Yes	□No		
	(2) Is the system calibrated to restrict combustion in the primary chamber whenever any opacity		□ N.		
	exceeds 15% opacity?	∐ Yes	∐No		
	accordance with the manufacturer's recommended maintenance schedule?	☐ Yes	□No		
			<u>.</u>		
P	ART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check	only one		
	MIT I I DECOMPTANT COMPENSATION EQUAL TERMS BREIT CAME	box for ea	ch question)		
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	□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 ON or AFTER August 30, 1989 is the:				
	a. the actual operating temperature of the secondary chamber combustion zone no less than 1600°F		□ N.		
	throughout the combustion process in the primary chamber?b. secondary chamber combustion zone temperature equal to or greater than $1600^{\circ}F$ before the crematic	Yes On	∐No		
	process begins in the primary chamber?	Yes	□No		
			_		
PA	ART V: <u>ALLOWED MATERIALS</u>	(check	•		
		box for ea	ch question)		
1.	Other than human or fetal remains with appropriate containers or clothing, are any materials,				
	including biomedical wastes, incinerated in the unit?	☐ Yes	⊠No		
_					
2.	Do cremation containers contain no more than 0.5 % (percent) by weight chlorinated				
	plastics as certified by the manufacturer?	☐ Yes	□No		

PART VI: EQUIPMENT MAINTENANCE			only one question)		
1. Is the crematory unit maintained in accordance with the manufactor	urer's specifications?	⊠ Yes	□No		
 Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction?			□No □No □No		
b. Was the flame adjusted when necessary?			□No		
PART VII: EU INSPECTION COMPLIANCE STATUS (check	only one box)				
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE	SIGNIFICANT Non-COMPL	IANCE			
Facility Section (continued)					
SPECIAL CONDITIONS AND PROCEDURES Administrative Changes:		(check v box for each	•		
 Were there any changes in the name, address, or phone number of associated with a change in ownership or with a physical relocation operations comprising the facility; or any other similar minor admits. If yes, did the facility provide written notification within 30 days of the New or Modified Process Equipment or Change in Ownership: Since the last registration form submittal has there been	on of the facility or any emissions unininistrative change at the facility? of the change? ement? s substantially different? form and the appropriate fee	ts or Yes	 ∴.No ∴.No ∴.No ∴.No ∴.No ∴.No ∴.No ∴.No 		
Vincent Clark	10/19/2011				
Inspector's Name (Please Print)	Date of Inspection				
	10/2012				
Inspector's Signature	Approximate Date of Next Insp	pection			

COMMENTS: Operating. Secondary chamber temperature was 1716 degrees F. No visible emissions or odors. Reviewed temperature charts from 2009 to present. Replaced thermocouple 9/4/2011. Next Visible Emission test is scheduled for 11/14/2011. This facility's housekeeping is outstanding. Records are kept in a very orderly fashion.