

## **HUMAN CREMATORY**



## COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) 🛛 COMPLAINT/DISCOVERY (CI) 🗌				
RE-INSPECTION (FUI)	ARMS COMPLAIN	NT NO:		
AIRS ID#: 0112702 DATE: <u>2/21/13</u>	ARRIVE: <u>1340</u>	DEPART: <u>1430</u>		
FACILITY NAME: DEERFIELD BEACH CREMATORY - Facility closed, units moved to 0112152				
<b>FACILITY LOCATION:</b> 1921 NW 40TH C	Γ			
POMPANO BEAC	CH 33064-8719			
OWNER/AUTHORIZED REPRESENTATIVE: DANIEL D'ANDREA Email: Dan.D'Andrea@sci-us.com CONTACT NAME: DANIEL D'ANDREA Email: Dan.D'Andrea@sci-us.com Email: Dan.D'Andrea@sci-us.com ENTITLEMENT PERIOD: 11/6/2011 / 11/6/2016 (effective date) (end date)  PHONE: (954)491-0490 Mobile: (954)647-6655				
Facility Section  PART I: INSPECTION COMPLIANCE STATUS (check ☑ only one box)  ☑ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE				
DARE H. ONGVER INTER ORDER TO DAY MEDICINA				
PART II: ONSITE INTRODUCTORY MEETING  1. Name(s) of facility representative(s):  Brief Notes:	<u>G</u>	(check ☑ only one box for each question)		
Is the Authorized Representative still DANIEL D     If no, who is?:	'ANDREA?	YesNo		
If different, did the facility provide an administra  3. Is the facility contact still DANIEL D'ANDREA?  If no, who is?:				
4. Will facility be conducting VE test(s) during toda If yes, was the compliance authority notified at le				

## $Emissions~Unit~Section\\ 1-HumanCrematory-unit \#1, prim/2ndarychmbrNGtempM\&R, opacM100 \#/hr$

PA	ART I: FILE REVIEW PRIOR TO INSPECTION	(als a als 📈	
		(check 🗹	only one
		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	□ 37a	□ NT.
2	at 1800 degrees Fahrenheit?	☐ Yes	∐No
		☐ Yes	∐No
	Date of last inspection: Past Visible Emissions (VE) tests:		
4.	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	105	
	operation? N/A	Yes	□No
	d. Date of last VE test:		
	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?		□No
	If no, what was the problem (if known)?		
_	1 /		
PA	ART II: <u>VISIBLE EMISSIONS TESTING</u>	(check 🗹	only one
		box for each	question)
1	Was a visible emissions test conducted by the facility for this unit during this site visit?	□ Voc	ПNо
1.	Was a visible emissions test conducted by the facility for this unit during this site visit?a. Was the test conducted with the unit operating at a capacity of one adult-sized cadaver?		□No □No
	b. Was the visible emissions test conducted according to EPA Method 9?		□No □No
	b. Was the visible emissions test conducted according to EFA intended 9:	- 🔲 168	□NO
	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?	·  \[ \text{Yes}	□No
	(5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes		L,0
	(576 options), shit initiate at exage, except and these compositions are recording to a specific and the same at t	, one and	
2.	Was a visible emissions test conducted by the inspector during this site visit?	- Yes	□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 % 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?		
DA	ART III: MONITORING/RECORDKEEPING REQUIREMENTS		٦, ٦
ra	.KI III; MUNITUKING/KECUKDKEEFING KEQUIKEMIS	(check 🗹	only one
		box for each	question)
1.	Were there any objectionable odors detected?	- Yes	□No
1.	An upwind/downwind survey of the facility was conducted. The observed parameters were:		
	Downwind odor level detected-  Wind direction - Upwind odor level detected-	(1-10)	
		,	
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?	☐ Yes	□No
b	Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence		
	time at $\Box$ 1.800 <sup>1</sup> $\Box$ 1.600 <sup>2</sup> degrees was determined?	Yes Yes	□No
	(Application or initial notification: <sup>1</sup> received on or after 8/30/89; <sup>2</sup> received before 8/30/89)		

P/	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	□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 ( )	Yes	□No	
	4) Adjustments 5) Preventive maintenance performed on systems/devices	☐ Yes	□No □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)(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatical	Yes	□No	
1	control combustion based on continuous in-stack opacity measurement?(2) Is the system calibrated to restrict combustion in the primary chamber whenever any opacity	Yes	□No	
	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	
			_	
PA	ART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check <b>☑</b> box for each	only one 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?	☐ Yes	□No	
	b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the crematic process begins in the primary chamber?		□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 <b>1600°F</b>			
	throughout the combustion process in the primary chamber? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematic	Yes on	□No	
	process begins in the primary chamber?	Yes	□No	
_				
PA	ART V: <u>ALLOWED MATERIALS</u>	(check <b>☑</b> box for each	only one 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 ☐ Yes	□No □No	

PART VI: <u>EQUIPMENT MAINTENANCE</u>	(check <b>☑</b> box for each	only one question)	
1. Is the crematory unit maintained in accordance with the manufacturer's specifications?	Yes	□No	
2. Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction?	Yes	□No	
3. Does the crematory allow for a visible check on the flame characteristics?	- Yes	□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 INSPECTION COMPLIANCE STATUS</u> (check ☑ only one box)			
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE			

## ${\bf Emissions~Unit~Section} \\ {\bf 2-HumanCrematory-unit\#2,prim/2ndarychmbrNGtempM\&R,opacM100\#/hr}$

PA	RT I: FILE REVIEW PRIOR TO INSPECTION	(check 🗹 box for each o	only one question)	
1.	<ul> <li>a. Complete AC application or, if no AC permit, initial GP registration received on or after August 30, 1989?</li> <li>b. If yes, were design calculations provided then to confirm a sufficient volume in the</li> </ul>	☐ Yes	□No	
3.	secondary chamber combustion zone to provide for at least a 1.0 second gas residence time at 1800 degrees Fahrenheit?	☐ Yes ☐ Yes	□No □No	
4.	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:  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 ☐ Yes ☐ Yes	□No □No □No	
	and the fermion of the control of th			
PART II: <u>VISIBLE EMISSIONS TESTING</u> (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 □No □No	
	<ul> <li>c. The visible emission test resulted in an opacity of % for the highest six minute average.</li> <li>d. Did the visible emission test demonstrate compliance with the limit?</li></ul>		□No	
2.	Was a visible emissions test conducted by the inspector during this site visit?	Yes Yes	□No □No □No	
3.	Is there any reason to ask for a special test to determine compliance with the PM and CO standa  If yes, what reason?	rds?	□No	
PA	RT III: MONITORING/RECORDKEEPING REQUIREMENTS	(check 🗹 box for each o	only one question)	
1.	Were there any objectionable odors detected?  An upwind/downwind survey of the facility was conducted. The observed parameters were:  Downwind odor level detected- Wind direction - Upwind odor level detected-	Yes (1-10)	□No	
a	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? ————————————————————————————————————	☐ Yes	□No	
D	Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence time at $ [ 1,800^1 ] 1,600^2 $ degrees was determined?	Yes	□No	

PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)			
MONTO MANAGEMENT OF THE COMMISSION (COMMISSION)			
c. Are the following records kept on file, available for inspection, for at least the past two years?			
All temperature measurements     all continuous monitoring systems, monitoring devices, and performance testing measurements;	Yes	□No	
monitoring system all continuous performance evaluations	Yes	□No	
3) All CEMS or monitoring device calibration checks (last performed on ( )	Yes Yes	∐No □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 <b>2/1/07</b> ? If no, skip e.(1) – (3)	Yes	□No	
(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatical control combustion based on continuous in-stack opacity measurement?	ılly Yes	□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			
accordance with the manufacturer's recommended maintenance schedule?	∐ Yes	∐No	
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check <b>☑</b> box for each	only one 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 <b>1400°F</b> throughout the combustion process in the primary chamber?	☐ Yes	□No	
b. secondary chamber combustion zone temperature equal to or greater than <b>1400°F</b> before the cremati process begins in the primary chamber?		□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 <b>1600°F</b> throughout the combustion process in the primary chamber?	☐ Yes	□ Na	
b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremati		∐No	
process begins in the primary chamber?	Yes	□No	
		i m	
PART V: <u>ALLOWED MATERIALS</u>	(check ☑ box for each	only one question)	
PART V: <u>ALLOWED MATERIALS</u> 1. Other than human or fetal remains with appropriate containers or clothing, are any materials, including biomedical wastes, incinerated in the unit?	box for each		

PART VI: EQUIPMENT MAINTENANCE		(check 🗹	only one
		box for each	
1. Is the crematory unit maintained in accordance with the manufacturer's s	specifications?	Yes	□No
2. Is there a written plan onsite which addresses the operating procedures deshutdown and malfunction?	uring startup,	Yes	□No
3. Does the crematory allow for a visible check on the flame characteristics If no, skip a. – b.	?	Yes	□No
a. Was the flame characteristic visually checked at least once during each. Was the flame adjusted when necessary?			□No □No
PART VII: EU INSPECTION COMPLIANCE STATUS (check ☑ on	ly one box)		
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐	SIGNIFICANT Non-COMPLI	ANCE	
Facility Section (continued)  SPECIAL CONDITIONS AND PROCEDURES  (check   value one)			
		(check <b>☑</b> box for each	only one question)
Administrative Changes:  1. Were there any changes in the name, address, or phone number of the fac associated with a change in ownership or with a physical relocation of the operations comprising the facility; or any other similar minor administrated. If yes, did the facility provide written notification within 30 days of the content of Modified Process Equipment or Change in Ownership:  3. Since the last registration form submittal has there been	e facility or any emissions unit	Yes Yes Yes Yes Yes Yes Yes	NoNoNoNoNoNoNoNo
Art Pennetta	2/21/13		
Inspector's Name (Please Print)	Date of Inspection		
Inspector's Signature A	Approximate Date of Next Insp	ection	
<b>COMMENTS:</b> Facility closed, crematory units moved to Gold Coast 0112	152.		