

HUMAN CREMATORY



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) RE-INSPECTION (FUI) ARMS COMPLAINT NO:						
AIRS ID#: 0950276 DATE: <u>11/30/2011</u> ARRIVE: <u>9:20 AM</u> DEPART:	11:30 AM					
FACILITY NAME: WOODLAWN CREMATORY						
FACILITY LOCATION: 400 WOODLAWN CEMETERY RD						
GOTHA 34734						
OWNER/AUTHORIZED REPRESENTATIVE: THOMAS KNIGHT Email: thomas.knight@sci-us.com CONTACT NAME: THOMAS KNIGHT Email: thomas.knight@sci-us.com ENTITLEMENT PERIOD: 3/1/2010 / 3/1/2015 (effective date) (end date) PHONE: (407)293-923 Mobile: PHONE: (407)293-923 Mobile:						
Facility Section PART I: INSPECTION COMPLIANCE STATUS (check ☑ only one box) ☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE						
PART II: ONSITE INTRODUCTORY MEETING 1. Name(s) of facility representative(s): Thomas Knight Brief Notes:	(check ✓ only one box for each question)					
2. Is the Authorized Representative still THOMAS KNIGHT?	⊠ Yes □No					
If different, did the facility provide an administrative update within 30 days? 3. Is the facility contact still THOMAS KNIGHT? If no, who is?:	☐ Yes ☐No ☑ Yes ☐No					
4. Will facility be conducting VE test(s) during today's inspection?	YesNo YesNo					

Emissions Unit Section 1 – Human Crematory-two units w/opac&temp monitors, 200lbs/hr

PA	RT 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
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: 10/20/2010 e. Was the VE test report filed with the compliance authority no later than 45 days after the test?	☐ Yes ☐ Yes	□No
	f. Did the facility demonstrate compliance during the last VE test? If no, what was the problem (if known)?	⊠ Yes	□No
PΔ	ART II: VISIBLE EMISSIONS TESTING		
1 /1	IN THE PROPERTY OF THE PROPERT	(check ☑ box for each of	only one question)
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?b. Was the visible emissions test conducted according to EPA Method 9?	Xes	□No □No □No
	 c. The visible emission test resulted in an opacity of 0.4 % for the highest six minute average. d. 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?	∑ Yes∑ Yes	□No □No □No
3.	d. Did the visible emission test demonstrate compliance with the limit?	rds?	□No
	If yes, what reason?	∐ Yes	⊠No
			-1
PA	ART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ☑ box for each of	only one question)
1.	Were there any objectionable odors detected?	Yes	⊠No
	Downwind odor level detected- Wind direction - Upwind odor level detected-	(1-10)	
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
υ	Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence time at $\prod 1,800^1 \boxtimes 1,600^2$ degrees was determined?	⊠ Yes	□No

PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)		
TAKT III. MONTORING/RECORDREET ING 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;	i les	∐No
monitoring system all continuous performance evaluations	⊠ Yes	ПNо
3) All CEMS or monitoring device calibration checks (last performed on (3/3/08)	⊠ Yes	□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		
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 automatical control combustion based on continuous in-stack opacity measurement?	Yes	ПNо
(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 🗹	only one
TAKTIV. SECONDARI COMBOSTION ZONE TEMI EKATUKES	box for each	•
 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 cremation process begins in the primary chamber? 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 	on Yes	□No
throughout the combustion process in the primary chamber?b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremati	Yes	∐No
process begins in the primary chamber?	Yes	□No
<u> </u>		
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PART V: <u>ALLOWED MATERIALS</u>	(check ✓ box for each	only one
	box for each	question)
		Į.
Other than human or fetal remains with appropriate containers or clothing, are any materials, including biomedical wastes, incinerated in the unit?	☐ Yes	⊠No

PART VI: EQUIPMENT MAINTENANCE		(check only one			
		box for each question)			
1. Is the crematory unit maintained in accordance with the ma	anufacturer's specifications?	X YesNo			
2. Is there a written plan onsite which addresses the operating shutdown and malfunction?	g procedures during startup,	🛛 Yes 🗆No			
3. Does the crematory allow for a visible check on the flame	characteristics?	X YesNo			
If no, skip a. – b. a. Was the flame characteristic visually checked at least of b. Was the flame adjusted when necessary?					
DADELYN DY MADDECTION COMMINANCE STATIS	(1.1.17 1.1.)				
PART VII: EU INSPECTION COMPLIANCE STATUS	(check ⊻ only one box)				
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIA	ANCE SIGNIFICANT Non-COM	PLIANCE			
Facility Section (continued)					
SPECIAL CONDITIONS AND PROCEDURES		(check d only one box for each question)			
Administrative Changes:					
 Were there any changes in the name, address, or phone number of the facility or authorized representative not associated with a change in ownership or with a physical relocation of the facility or any emissions units or operations comprising the facility; or any other similar minor administrative change at the facility? ☐ Yes If yes, did the facility provide written notification within 30 days of the change? ☐ Yes ☐No 					
New or Modified Process Equipment or Change in Ownership 3. Since the last registration form submittal has there been					
3. Since the last registration form submittal has there been					
b. Alterations to existing process equipment without replacement?					
d. A change in ownership? Yes \overline{\overline					
If the any answer to 3a. – d. is Yes, was a new regis submitted 30 days prior to the change?	** *	YesNo			
Bill Rhodes	12/6/2011				
Inspector's Name (Please Print)	Date of Inspection				
	12/31/2012				
Inspector's Signature	Approximate Date of Next In	nspection			

COMMENTS: Bill Rhodes met with Bill Arlington, the consultant, representing Arlington Environmental Services, Inc., and Mr. Thomas Knight, the facility R.O., on November 30, 2011, to audit the compliance test on the two cremation units, which are both Matthews IE-43-SPP. Both units are rated at 200 lbs./hr. The process rate, per the application, is 150 pounds of remains per hour, No plastic containers are used during the cremation process. The opacity monitor is checked every two weeks for accuracy, and the flame is checked for visible characteristics during each cycle. Records are maintained on site for at least 5-years and were available for review at the time of the compliance test. Both units were charged with ~ 204 lb. bodies. 60-minute VEs were audited for both units and the opacity for both was 0%. The units are serviced and checked regularly per the manufacturers manual. The temperatures were checked for accuracy to see if the digital panels and the strip charts were near identical or within compliance. The easternmost unit's digital panel read ~ 1730 degrees Fahrenheit, and the strip chart read 1750 degrees Fahrenheit. the westernmost

unit's digital panel read 1749 degrees Fahrenheit, and the strip chart read 1740 degrees Fahrenheit. The Fluke meter was not used to check the accuracy of the thermocouples during this inspection. The facility appears to be in compliance with their permit conditions at this time.