

#### **HUMAN CREMATORY**



#### COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) COMPLAINT/D  RE-INSPECTION (FUI) ARMS COMPL	DISCOVERY (CI) AINT NO:
AIRS ID#: 0112152 DATE: <u>2/8/11</u> ARRIVE: <u>330</u>	DEPART: <u>530</u>
FACILITY NAME: GOLD COAST CREMATORY	
FACILITY LOCATION: 796 N.W. 57TH STREET	
FT. LAUDERDALE 33309	
OWNER/AUTHORIZED REPRESENTATIVE: ERNEST POYNTER Email: dan.d'andrea@sci-us.com CONTACT NAME: ERNEST POYNTER Email: ENTITLEMENT PERIOD: 5/31/2007 / 5/31/2012	PHONE: (404)491-1359 Mobile: PHONE: (404)491-1359 Mobile:
(effective date) (end date)	
Facility Section  PART I: INSPECTION COMPLIANCE STATUS (check ☑ only one box  ☑ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIC	S) GNIFICANT Non-COMPLIANCE
PART II: ONSITE INTRODUCTORY MEETING	(1.1 🗹
Name(s) of facility representative(s): <u>Ernest Poynter</u>	(check ☑ only one box for each question)
Brief Notes:	
2. Is the Authorized Representative still ERNEST POYNTER?	⊠ Yes □No
If different, did the facility provide an administrative update within 30 days?  3. Is the facility contact still ERNEST POYNTER?	
4. Will facility be conducting VE test(s) during today's inspection?	

# Emissions Unit Section 1 – MODEL IE43-PPII-100 CREMATION INCINERATOR (NORTH UNIT)

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
	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: 2/18/10  e. Was the VE test report filed with the compliance authority no later than 45 days after the test?	<ul><li>∑ Yes</li><li>∑ Yes</li></ul>	□No
	f. Did the facility demonstrate compliance during the last VE test?  If no, what was the problem (if known)?	_	□No
PA	ART II: <u>VISIBLE EMISSIONS TESTING</u>	(check <b>☑</b> box for each of	only one 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> <li>(5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity shall be allowed for up to six minutes</li> </ul>		□No
	Was a visible emissions test conducted by the inspector during this site visit?	☐ Yes ☐ Yes - ☐ Yes	<ul><li>No</li><li>No</li><li>No</li></ul> □No
3.	Is there any reason to ask for a special test to determine compliance with the PM and CO standard 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?	Yes	⊠No
	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)	
	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 $\boxtimes 1,800^1 \ \square \ 1,600^2$ degrees was determined?	⊠ Yes	□No

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;	⊠ Yes	□No
monitoring system all continuous performance evaluations	Yes	□No □No
4) Adjustments	Yes	<u>□</u> No
5) Preventive maintenance performed on systems/devices  6) Corrective maintenance performed on systems/devices		∐No
	i es i es	∐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?(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	<u> </u>	
accordance with the manufacturer's recommended maintenance schedule?	⊠ Yes	LNo
	/ 1 1 <b>1.7</b> 1	, il-
PART IV: <u>SECONDARY COMBUSTION ZONE TEMPERATURES</u>	(check <b>☑</b> box for each	only one
		4
1. If the application to construct was <b>BEFORE</b> August 30, 1989 is the:		
a. actual operating temperature of the secondary chamber combustion zone no less than <b>1400°F</b> throughout the combustion process in the primary chamber?	⊠ Yes	□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 <b>ON</b> or <b>AFTER</b> August 30, 1989 is the:		
a. the actual operating temperature of the secondary chamber combustion zone no less than <b>1600°F</b> throughout the combustion process in the primary chamber?	☐ Yes	□No
b. secondary chamber combustion zone temperature equal to or greater than <b>1600°F</b> before the cremati		□N0
process begins in the primary chamber?	Yes	□No
		_
	🗖	
PART V: <u>ALLOWED MATERIALS</u>	(check 🗹	only one
PART V: <u>ALLOWED MATERIALS</u>	(check 🗹 box for each	
1. Other than human or fetal remains with appropriate containers or clothing, are any materials,	box for each	question)
Other than human or fetal remains with appropriate containers or clothing, are any materials, including biomedical wastes, incinerated in the unit?	box for each	question)
1. Other than human or fetal remains with appropriate containers or clothing, are any materials,	box for each  Yes  Yes	question)

PART VI: EQUIPMENT MAINTENANCE	(check <b>☑</b> box for each	only one question)
1. Is the crematory unit maintained in accordance with the manufacturer's specifications?	- X Yes	□No
<ol> <li>Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction?</li></ol>	Yes Yes	□No □No
b. Was the flame adjusted when necessary?	Yes	∐No
PART VII: <u>EU INSPECTION COMPLIANCE STATUS</u> (check ✓ only one box)		
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMP.	LIANCE	

## Emissions Unit Section 2 – MODEL IE43-PPII-100 CREMATION INCINERATOR (CENTER UNIT)

1. a. Complete AC application or, if no AC permit, initial GP registration received on or after August 30, 1989?	PA	RT I: FILE REVIEW PRIOR TO INSPECTION	(check <b>☑</b>	only one
1. a. Complete AC application or, if no AC permit, initial GP registration received on or after August 30, 1989?   No				
after August 30, 1989?			DOX 101 Cacii	question
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 Fahrencheit?  2. Crematory unit installed after February 1, 2007?	1.		_	_
secondary chamber combustion zone to provide for at least a 1.0 second gas residence time at 1800 degrees Fahrenheit?			∐ Yes	⊠No
at 1800 degrees Fahrenheit?				
2. Crematory unit installed after February 1, 2007?		secondary chamber combustion zone to provide for at least a 1.0 second gas residence time	_	
3. Date of last inspection: 7/9/10 4. Past Visible Emissions (VE) tests: a. Was a VE test performed within each of the past 4 calendar year?		at 1800 degrees Fahrenheit?	=	=
4. Past Visible Emissions (VE) tests: a. Was a VE test performed within each of the past 4 calendar years?			☐ Yes	⊠No
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 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: 2/18/10   No f. Did the facility demonstrate 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 f. Did the facility demonstrate compliance during the last VE test?   Yes   No may be a visible emission 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?   Yes   No b. Was the visible emission test conducted according to EPA Method 9?   Yes   No c. The visible emission test demonstrate compliance with the limit?   Yes   No d. Did the visible emission test demonstrate compliance with the limit?   Yes   No d. Was the visible emission test demonstrate compliance with the limit?   Yes   No d. Was the visible emission test demonstrate compliance with the limit?   Yes   No d. Was the visible emission test demonstrate compliance with the limit?   Yes   No d. Was the visible emission test conducted by the inspector during this site visit?   Yes   No d. Was the visible emission test conducted with the unit operating at a capacity of one (1) adult-sized cadaver?   Yes   No d. Was the visible emission test conducted according to EPA Method 9?   Yes   No d. The visible emission test resulted in an opacity of   No for the highest six minute average.   No d. Did the visible emission test resulted in an opacity of   No for the highest six minute average.   No d. Did the visible emission test resulted in an opacity of   No for the highest six minute average.   No d. Did the visible emission test resulted in an opa				
b. Has a VE test been performed yet within the current calendar year?	4.			
c. If first year of operation, was a VE test performed within 30 days of commencing operation?				
operation?			∑ Yes	□No
d. Date of last VE test report filed with the compliance authority no later than 45 days after the test?	ji	c. If first year of operation, was a VE test performed within 30 days of commencing		
c. Was the VE test report filed with the compliance authority no later than 45 days after the test?		operation? N/A	Yes	□No
f. Did the facility demonstrate compliance during the last VE test?	l	d. Date of last VE test: 2/18/10		
f. Did the facility demonstrate compliance during the last VE test?	l	e. Was the VE test report filed with the compliance authority no later than 45 days after the test?	Yes	□No
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?				□No
PART 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?  yes  No b. Was the visible emissions test conducted according to EPA Method 9?  yes  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 (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 emission test conducted by the inspector during this site visit?  yes  No b. Was the visible emissions test conducted according to EPA Method 9?  yes  No c. The visible emission test conducted according to EPA Method 9?  yes  No b. Was the visible emission test conducted according to EPA Method 9?  yes  No s. The visible emission test emissions test conducted according to EPA Method 9?  yes  No b. Was the visible emission test conducted according to EPA Method 9?  yes  No s. The visible emission test demonstrate compliance with the limit?  yes  No s. Is there any reason to ask for a special test to determine compliance with the PM and CO standards?			<del></del>	
Nas a visible emissions test conducted by the facility for this unit during this site visit?   Yes   No				''
Nas a visible emissions test conducted by the facility for this unit during this site visit?   Yes   No				
1. Was a visible emissions test conducted by the facility for this unit during this site visit?	PA	RT II: <u>VISIBLE EMISSIONS TESTING</u>	(check 🗹	only one
a. Was the test conducted with the unit operating at a capacity of one adult-sized cadaver?			box for each	question)
a. Was the test conducted with the unit operating at a capacity of one adult-sized cadaver?	1	We are the amining test and retail by the facility for this unit during this site visit?	□ <b>v</b> <sub>20</sub>	⊠ Na
b. Was the visible emissions test conducted according to EPA Method 9?	1.			_
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?				=
d. Did the visible emission test demonstrate compliance with the limit?		b. Was the visible emissions test conducted according to EPA Method 9?	- L Yes	∐No
d. Did the visible emission test demonstrate compliance with the limit?		The visible emission test resulted in an enseity of		
2. Was a visible emissions test conducted by the inspector during this site visit?			□ Vos	$\Box$ No
2. Was a visible emissions test conducted by the inspector during this site visit? — Yes				
a. Was the test conducted with the unit operating at a capacity of one (1) adult-sized cadaver? ————		(5% opacity, six-minute average, except that visible emissions not exceeding 15% opacity snail be allowed for up to six minutes	s in any one-nour)	
a. Was the test conducted with the unit operating at a capacity of one (1) adult-sized cadaver? ————	2	Was a visible emissions test conducted by the inspector during this site visit?	□ Vos	⊠ No
b. Was the visible emissions test conducted according to EPA Method 9?	۷.			
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? ————————————————————————————————————				
d. Did the visible emission test demonstrate compliance with the limit? ————————————————————————————————————			· L res	□No
3. Is there any reason to ask for a special test to determine compliance with the PM and CO standards?    Yes  No			□ xz	
Yes  No     Yes  No       Yes    No	2			∐No
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: 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  Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence time at ☑ 1,800¹ ☐ 1,600² degrees was determined? — ☐ ☐ Yes ☐No	3.	Is there any reason to ask for a special test to determine compliance with the PM and CO standa		<b>⊠</b> ът.
PART III: MONITORING/RECORDKEEPING REQUIREMENTS  (check ☑ only one box for each question)  1. Were there any objectionable odors detected?		TC 1	∐ Yes	⊠No
box for each question)  1. Were there any objectionable odors detected?		If yes, what reason?		
box for each question)  1. Were there any objectionable odors detected? ————————————————————————————————————				
box for each question)  1. Were there any objectionable odors detected? ————————————————————————————————————				
box for each question)  1. Were there any objectionable odors detected? ————————————————————————————————————	PA	RT III: MONITORING/RECORDKEEPING REQUIREMENTS	 (check ✓	only one
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- (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?			00/10/ 000	
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?	1.	Were there any objectionable odors detected?	· Yes	⊠No
Downwind odor level detected- Wind direction - Upwind odor level detected- (1-10)  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?				
Is a continuous temperature monitoring system installed on each unit to record temperatures in the secondary chamber in accordance with the manufacturer's instructions?			(1-10)	
Is a continuous temperature monitoring system installed on each unit to record temperatures in the secondary chamber in accordance with the manufacturer's instructions?			•	
Is a continuous temperature monitoring system installed on each unit to record temperatures in the secondary chamber in accordance with the manufacturer's instructions? YesNo  b Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence time at \$\int 1,800^1\$ 1,600 <sup>2</sup> degrees was determined? YesNo	2.	Continuous Monitoring Systems –		
secondary chamber in accordance with the manufacturer's instructions? $\boxtimes$ Yes $\square$ 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? $\boxtimes$ Yes $\square$ No				
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? $\boxtimes$ Yes $\square$ No				□No
time at $\boxtimes 1,800^1$ $\square 1,600^2$ degrees was determined? $\boxtimes$ Yes $\square$ No	b			
(Application or initial notification: <sup>1</sup> received on or after 8/30/89; <sup>2</sup> received before 8/30/89)		time at $\boxtimes 1,800^1 \square 1,600^2$ degrees was determined?	Yes	□No
		(Application or initial notification: <sup>1</sup> received on or after 8/30/89; <sup>2</sup> received before 8/30/89)	_	

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	<ul><li>Yes</li><li>Yes</li></ul>	∐No □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 □ Yes	∐No ⊠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		<u></u> N0
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	<b>5</b> 7 **	
exceeds 15% opacity?(3) Has the opacity measurement system been cleaned and checked for proper operation in	⊠ Yes	∐No
accordance with the manufacturer's recommended maintenance schedule?	Yes	□No
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check <b>☑</b>	only one
TAKTIV. SECONDARI COMBOSTION ZONE TEMIERATURES	box for each	•
1. If the application to construct was <b>BEFORE</b> August 30, 1989 is the: a. actual operating temperature of the secondary chamber combustion zone no less than <b>1400°F</b>		
throughout the combustion process in the primary chamber?	⊠ Yes	□No
b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremati	ion_	
process begins in the primary chamber?	Yes	□No
2. If the application to construct ON on AFTED Associated 1000 is the		
2. If the application to construct <b>ON</b> or <b>AFTER</b> August 30, 1989 is the:		
a. the actual operating temperature of the secondary chamber combustion zone no less than 1600°F		
a. the actual operating temperature of the secondary chamber combustion zone no less than <b>1600°F</b> throughout the combustion process in the primary chamber?	Yes	□No
a. the actual operating temperature of the secondary chamber combustion zone no less than 1600°F		□No
<ul> <li>a. the actual operating temperature of the secondary chamber combustion zone no less than 1600°F throughout the combustion process in the primary chamber?</li> <li>b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical combustion.</li> </ul>	ion	
<ul> <li>a. the actual operating temperature of the secondary chamber combustion zone no less than 1600°F throughout the combustion process in the primary chamber?</li> <li>b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical combustion.</li> </ul>	ion	
<ul> <li>a. the actual operating temperature of the secondary chamber combustion zone no less than 1600°F throughout the combustion process in the primary chamber?</li> <li>b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the crematical combustion.</li> </ul>	on Yes (check ☑	□No
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 crematic process begins in the primary chamber?	ion Yes	□No
a. the actual operating temperature of the secondary chamber combustion zone no less than 1600°F throughout the combustion process in the primary chamber? ————————————————————————————————————	on Yes (check ☑	□No
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 crematic process begins in the primary chamber?	on Yes (check ☑	□No
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	only one question)
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	only one question)

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
<ol> <li>Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction?</li></ol>	-	□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 3 – HUMAN CREMATORY, IE43-PPII, POWER-PAK II (SOUTH UNIT)

PART I: <u>FILE REVIEW PRIOR TO INSPECTION</u>	(check 🗹 box for each	•
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 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		□No □No
operation?	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 <b>☑</b> box for each	only one question)
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?	Yes	⊠No □No □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?		□No
<ol> <li>Was a visible emissions test conducted by the inspector during this site visit?</li></ol>	Yes Yes Yes Yes Alards?	<ul><li>No</li><li>No</li><li>No</li></ul> □No
If yes, what reason?	☐ Yes	⊠No
PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check <b>☑</b> box for each	•
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
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 $\boxtimes 1,800^1$ $\square 1,600^2$ degrees was determined?	🛚 Yes	□No

PA	ART 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
	all continuous monitoring systems, monitoring devices, and performance testing measurements; monitoring system all continuous performance evaluations      All CEMS or monitoring device calibration checks (last performed on ( )	<ul><li>X Yes</li><li>X Yes</li><li>X Yes</li></ul>	□No □No □No
	5) Preventive maintenance performed on systems/devices 6) Corrective maintenance performed on systems/devices	<ul><li>✓ Yes</li><li>✓ Yes</li></ul>	□No □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 □ Yes	□No ⊠No
	<ul><li>(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatica control combustion based on continuous in-stack opacity measurement?</li><li>(2) Is the system calibrated to restrict combustion in the primary chamber whenever any opacity</li></ul>	Yes	□No
I	exceeds 15% opacity?(3) Has the opacity measurement system been cleaned and checked for proper operation in	∑ 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	•
	If the application to construct was <b>BEFORE</b> August 30, 1989 is the:  a. actual operating temperature of the secondary chamber combustion zone no less than <b>1400°F</b> throughout the combustion process in the primary chamber?  b. secondary chamber combustion zone temperature equal to or greater than <b>1400°F</b> before the crematic	box for each  Yes on	•
1.	If the application to construct was <b>BEFORE</b> August 30, 1989 is the:  a. actual operating temperature of the secondary chamber combustion zone no less than <b>1400°F</b> throughout the combustion process in the primary chamber?	box for each  ☐ Yes on ☐ Yes ☐ Yes	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? ————————————————————————————————————	box for each  ☐ Yes on ☐ Yes ☐ Yes	question)  SNo No
2.	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? ————————————————————————————————————	box for each  ☐ Yes on ☐ Yes ☐ Yes	question)  SNo No No No  only one
1. 2. <b>P</b> A	If the application to construct was <b>BEFORE</b> August 30, 1989 is the:  a. actual operating temperature of the secondary chamber combustion zone no less than <b>1400°F</b> throughout the combustion process in the primary chamber? ————————————————————————————————————	box for each  ☐ Yes on ☐ Yes ☐ Yes ☐ Yes On ☐ Yes (check ☑	question)  SNo No No No  only one

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?  3. Does the crematory allow for a visible check on the flame characteristics?	_	□No
If no, skip a. – b.  a. Was the flame characteristic visually checked at least once during each operating shift?  b. Was the flame adjusted when necessary?		⊠No ⊠No
PART VII: <u>EU INSPECTION COMPLIANCE STATUS</u> (check ✓ only one box)		
☑ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPI	LIANCE	

## Emissions Unit Section 4 – B&L MODEL PHOENIX II S/N 557-340-01 (previously at Kraeer)

PART I: FILE REVIEW PRIOR TO INSPECTION	(check 🗹 box for each	•
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?		□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		□No □No
operation? N/A  d. Date of last VE test: 2/18/10	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. 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?	Yes	⊠No □No □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?		⊠No
<ol> <li>Was a visible emissions test conducted by the inspector during this site visit?</li></ol>	Yes Yes Yes	<ul><li>No</li><li>No</li><li>No</li><li>No</li><li>No</li></ul>
If yes, what reason?	_	
		_
PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check <b>☑</b> box for each	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
<ul> <li>2. Continuous Monitoring Systems –</li> <li>a Is a continuous temperature monitoring system installed on each unit to record temperatures in the secondary chamber in accordance with the manufacturer's instructions?</li> <li>b Is the temperature probe properly placed, at least at the distance where the 1.0 second gas residence</li> </ul>	🛭 Yes	□No
time at $\Box$ 1,800 <sup>1</sup> $\Box$ 1,600 <sup>2</sup> degrees was determined?	🛚 Yes	□No

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;		□ N.
monitoring system all continuous performance evaluations	⊠ Yes ⊠ Yes	∐No ∏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 □No
(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatical	ılly	
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 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
		ล
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES		only one
	hov for each	question)
	box for each	question)
1. If the application to construct was <b>BEFORE</b> August 30, 1989 is the:	box for each	question)
a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F		
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	question) ⊠No
a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F	☐ Yes	
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li> <li>b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremating process begins in the primary chamber?</li> </ul>	☐ Yes	⊠No
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ⊠ Yes	⊠No □No
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ☑ Yes ☐ Yes	⊠No
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes	∴.No ∴.No ∴.No
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ☑ Yes ☐ Yes	⊠No □No
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes	
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes ion ☐ Yes ☐ (check ☑	<ul><li>□No</li><li>□No</li><li>□No</li><li>only one</li></ul>
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ☑ Yes ☑ Yes ☐ Yes ion ☐ Yes	<ul><li>□No</li><li>□No</li><li>□No</li><li>only one</li></ul>
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes ion ☐ Yes ☐ (check ☑	<ul><li>□No</li><li>□No</li><li>□No</li><li>only one</li></ul>
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————</li></ul>	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes ion ☐ Yes ☐ (check ☑	<ul><li>□No</li><li>□No</li><li>□No</li><li>only one</li></ul>
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes ion ☐ Yes ☐ Check ☑ box for each	□No □No □No only one question)
<ul> <li>a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?</li></ul>	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes ion ☐ Yes ☐ Check ☑ box for each	<ul><li>□No</li><li>□No</li><li>□No</li><li>only one question)</li></ul>

PART VI: EQUIPMENT MAINTENANCE		(check only one	
		box for each	question)
1. Is the crematory unit maintained in accordance with the manufacture	rer'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 character If no, skip a. – b.	istics?	⊠ Yes	□No
a. Was the flame characteristic visually checked at least once during b. Was the flame adjusted when necessary?			□No □No
PART VII: EU INSPECTION COMPLIANCE STATUS (check E	only one box)		
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE			
Facility Section (continued)  SPECIAL CONDITIONS AND PROCEDURES  (check V only one			
SI ECIAL CONDITIONS AND I ROCEDURES		(check <b>☑</b> box for each	only one
Administrative Changes:  1. Were there any changes in the name, address, or phone number of the facility or authorized representati associated with a change in ownership or with a physical relocation of the facility or any emissions units operations comprising the facility; or any other similar minor administrative change at the facility?  2. If yes, did the facility provide written notification within 30 days of the change?  New or Modified Process Equipment or Change in Ownership:  3. Since the last registration form submittal has there been		Yes Yes Yes Yes Yes Yes Yes	<ul><li>□No</li><li>□No</li><li>□No</li><li>□No</li><li>□No</li><li>□No</li><li>□No</li><li>□No</li></ul>
C.Pitters	2/8/10		
Inspector's Name (Please Print)	Date of Inspection		
	2/8/11		
Inspector's Signature	Approximate Date of Next Insp	ection	
COMMENTS:			