

HUMAN CREMATORY



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) RE-INSPECTION (FUI) ARMS COMPLAINT NO:	
AIRS ID#: 0250944 DATE: <u>8/17/2010</u> ARRIVE: <u>09:40AM</u> DEPART:	11:30AM
FACILITY NAME: ALLEN & SHAW-OPA LOCKA FACILITY	
FACILITY LOCATION: 13931 NW 20TH CT	
OPA-LOCKA 33054-4117	
OWNER/AUTHORIZED REPRESENTATIVE: VERL SHAW Email: CONTACT NAME: VERL SHAW Email: ENTITLEMENT PERIOD: 5/31/2009 / 5/31/2014 (effective date) (end date) PHONE: (305)681-142 Mobile: PHONE: (305)681-142 Mobile:	
Facility Section	
PART I: INSPECTION COMPLIANCE STATUS (check ✓ only one box)	
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPL	IANCE
PART II: <u>ONSITE INTRODUCTORY MEETING</u>	(check ☑ only one box for each question)
1. Name(s) of facility representative(s): <u>Verl Shaw</u>	oon for each question)
Brief Notes: Emission Unit number 1 does not exist. Please see comments.	
2. Is the Authorized Representative still VERL SHAW?	⊠ Yes □No
If different, did the facility provide an administrative update within 30 days? 3. Is the facility contact still VERL SHAW? 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-primary&2ndary chambers,NG fired,150#/hr

PART I: FILE REVIEW PRIOR TO INSPECTION	(check v box for each	only one question)
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? 🖂 N/A	Yes	□No
 d. Date of last VE test: 6/23/2009 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?		□No □No
If no, what was the problem (if known):		
PART II: VISIBLE EMISSIONS TESTING	/ 11r √	.1
TAKE III. TABABBA BANABASAN AZAZAN S	(check v 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 0 % for the highest six minute average. d. Did the visible emission test demonstrate compliance with the limit?		□No
2. Was a visible emissions test conducted by the inspector during this site visit?	- X Yes - X Yes	□No □No □No
d. Did the visible emission test demonstrate compliance with the limit?		□No
If yes, what reason?	Yes	⊠No
		
PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ☑ box for each	only one question)
Were there any objectionable odors detected? An upwind/downwind survey of the facility was conducted. The observed parameters were: Downwind odor level detected- No Wind direction - Upwind odor level detected-No (- Yes	⊠No
Downwind odor level detected- No Wind direction - Upwind odor level detected-No ((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?	- X 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 ¹ \Box 1,600 ² degrees was determined?	Yes	□No

PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)		
TAXT III. MONTORING/RECORDREET ING RECORDRENTENTS (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	⊠ Yes	□No
3) All CEMS or monitoring device calibration checks (last performed on ()	Yes	No
4) Adjustments	⊠ Yes ⊠ 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 markingse. Was the crematory unit installed after $2/1/07$? If no, skip e.(1) – (3)	⊠ Yes □ Yes	∐No ⊠No
(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatical		☑110
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	□ Vac	□ No
accordance with the manufacturer's recommended maintenance schedule?	∐ Yes	∐No
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check 🗹	only one
TARTIV. SECONDARI COMBUSTION ZONE TEMIERATURES	box for each	•
	box for cucii	question)
1. If the application to construct was RFFORF August 30, 1989 is the	box for cach	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	_	question)
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
a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F	☐ Yes	
 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
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes ion ☐ Yes	□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes ion ☐ Yes ☐ Yes	□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes ion ☐ Yes ☐ Yes	□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes	□No □No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes	□No □No □No □No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	NoNoNo only one
 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 ion ☐ Yes ☐ Yes ☐ Yes ☐ Yes ion ☐ Yes ☐ (check ☑	NoNoNo only one
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Check ☑ box for each	NoNoNo only one
a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes ion ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Check ☑ box for each	NoNoNo only one question)
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes ion ☐ Yes	NoNoNo only one question)

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

Emissions Unit Section 2 – Human Crematory-primary&2ndary chambers,NG fired,150#/hr

PART I: FILE REVIEW PRIOR TO INSPECTION	(check v box for each	only one question)
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? 🖂 N/A	Yes	□No
d. Date of last VE test: 6/23/2009 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?		□No □No
If no, what was the problem (if known)?		
PART II: VISIBLE EMISSIONS TESTING	(-11- V	1 200
THE IN TANABLE BUILDING VIN AREA CO.	(check v 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 0 % for the highest six minute average. d. Did the visible emission test demonstrate compliance with the limit?		□No
2. Was a visible emissions test conducted by the inspector during this site visit?	- X Yes - X Yes	□No □No □No
d. Did the visible emission test demonstrate compliance with the limit?		□No
If yes, what reason?	Yes Yes	⊠No
DADOM MONTEODING/DECORD/EEDING DECHIDEMENTS		
PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ☑ box for each	only one question)
Were there any objectionable odors detected? An upwind/downwind survey of the facility was conducted. The observed parameters were: Downwind odor level detected- No Wind direction - Upwind odor level detected-No (- Yes	⊠No
	(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?	- 🛛 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 ¹ \Box 1,600 ² degrees was determined?	_	□No

PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)	-	
TAKT III. MONITORING/RECORDINER IN THE COMMISSION		
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;	₹7 -0	□ NT=
monitoring system all continuous performance evaluations 3) All CEMS or monitoring device calibration checks (last performed on ()	⊠ 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	<u> </u>	□ xr.
when cremation in the primary chamber was begun, date, time, and temperature markingse. Was the crematory unit installed after $2/1/07$? If no, skip e.(1) – (3)	⊠ Yes □ Yes	∐No ⊠No
(1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatica		<u>∠</u> 310
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	\sqcap No
(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	*	only one
	box for each	question)
	con for cuen	1
1. If the application to construct was REFORE August 30, 1989 is the	ook for each	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	ook for each	1
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
 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 crematic 	Yes	□No
 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 crematic process begins in the primary chamber?	☐ Yes	
 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 crematic process begins in the primary chamber?	Yes	□No
 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 crematic process begins in the primary chamber?	Yes	□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes on ☐ Yes ☐ Yes ✓ Yes	□No □No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes on ☐ Yes ☐ Yes	□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes on ☐ Yes ☐ Yes ✓ Yes	NoNo
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	☐ Yes on ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	NoNoNoNo
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes on ☐ Yes ☐ Yes ☐ Yes ☐ Yes On ☐ Yes	□No □No □No □No only one
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	☐ Yes on ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	NoNoNoNo only one
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes on ☐ Yes ☐ Yes ☐ Yes ☐ Yes On ☐ Yes On ☐ Yes	NoNoNo only one question)
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	☐ Yes on ☐ Yes ☐ Yes ☐ Yes ☐ Yes On ☐ Yes On ☐ Yes	NoNoNoNo only one
a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes on ☐ Yes ☐ Yes ☐ Yes ☐ Yes On ☐ Yes On ☐ Yes	NoNoNo only one question)
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	☐ Yes On Yes ☐ Yes ☐ Yes ☐ Yes On Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	NoNoNo only one question)

PART VI: EQUIPMENT MAINTENANCE	(check ✓ box for each	only one question)
1. Is the crematory unit maintained in accordance with the manufacturer's specifications?	Yes	□No
 Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction?	- 🛚 Yes	No No No No
PART VII: EU INSPECTION COMPLIANCE STATUS (check ☑ only one box)		
PART VII: EU INSPECTION COMPLIANCE STATUS (CHECK	LIANCE	

Emissions Unit Section 3 – Human Crematory-primary&2ndary chambers,NG fired,150#/hr

PART I: FILE REVIEW PRIOR TO INSPECTION	(check 🗹 box for each	only one question)
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?	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)
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 0 % for the highest six minute average. d. Did the visible emission test demonstrate compliance with the limit?		□No
2. Was a visible emissions test conducted by the inspector during this site visit? a. Was the test conducted with the unit operating at a capacity of one (1) adult-sized cadaver? b. Was the visible emissions test conducted according to EPA Method 9? c. The visible emission test resulted in an opacity of % for the highest six minute average.	Yes Yes Yes	□No □No □No
d. Did the visible emission test demonstrate compliance with the limit?		□No
If yes, what reason?	Yes	⊠No
PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ✓ box for each	only one question)
Were there any objectionable odors detected? An upwind/downwind survey of the facility was conducted. The observed parameters were: Downwind odor level detected- No Wind direction - Upwind odor level detected-No (Yes 11-10)	⊠No
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 \Box 1,800 ¹ \Box 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
all continuous monitoring systems, monitoring devices, and performance testing measurements; monitoring system all continuous performance evaluations 3) All CEMS or monitoring device calibration checks (last performed on ()	⊠ Yes □ Yes	□No □No
Adjustments Preventive maintenance performed on systems/devices Corrective maintenance performed on systems/devices		□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	_	□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 automatic	Yes	□No ⊠No
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? (3) Has the opacity measurement system been cleaned and checked for proper operation in accordance with the manufacturer's recommended maintenance schedule?		∐No □No
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check ✓ box for each	only one 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	□ Vaa	□ N ₂
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?		□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	N w	□ NT_
throughout the combustion process in the primary chamber? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremat process begins in the primary chamber?		□No
PART V: ALLOWED MATERIALS	(check ☑ box for each	
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 ✓ box for each	only one question)
1. Is the crematory unit maintained in accordance with the manufacturer's specifications?	Yes	□No
 Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction?	- Yes Yes	No No No No
PART VII: <u>EU INSPECTION COMPLIANCE STATUS</u> (check ✓ only one box)		
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPL	LIANCE	

Emissions Unit Section 4 – Human Crematory-primary&2ndary chambers,NG fired,150#/hr

PART I: FILE REVIEW PRIOR TO INSPECTION	(check v box for each	only one question)
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
 d. Date of last VE test: 6/23/2009 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?		□No □No
If no, what was the problem (if known):		
PART II: VISIBLE EMISSIONS TESTING	(-11- []	.1
THE IN TANABLE BUILDING VIN AREA CO.	(check b ox 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 0 % for the highest six minute average. d. Did the visible emission test demonstrate compliance with the limit?		□No
2. Was a visible emissions test conducted by the inspector during this site visit?	- X Yes X Yes	□No □No □No
d. Did the visible emission test demonstrate compliance with the limit?3. Is there any reason to ask for a special test to determine compliance with the PM and CO standa		□No
If yes, what reason?	Yes	⊠No
If yes, what reason?		
PART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ✓ box for each	only one question)
Were there any objectionable odors detected? An upwind/downwind survey of the facility was conducted. The observed parameters were: Downwind odor level detected- No Wind direction - Upwind odor level detected-No (Yes	□No
	,1 10 <i>)</i>	
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 \Box 1,800 ¹ \Box 1,600 ² degrees was determined?		□No

PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)		
4 (1 6 1) the control least on file available for inspection for at least the past two years?		
c. Are the following records kept on file, available for inspection, for at least the past two years? 1) All temperature measurements	X 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 Yes	□No
5) Preventive maintenance performed on systems/devices 6) Corrective maintenance performed on systems/devices	YesYes	∐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	⊠ Yes	□No
e. Was the crematory unit installed after 2/1/07 ? If no, skip e.(1) – (3)	Yes	⊠No
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? (3) Has the opacity measurement system been cleaned and checked for proper operation in	Yes Yes	⊠No
accordance with the manufacturer's recommended maintenance schedule?	X Yes	□No
PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES	(check 🗹	only one
II FARTIY, 1914A MADARI CAMBUATINA EMATERIA EMATERIA PER ESTADOR.	`	•
	box for each	question)
1. If the application to construct was BEFORE August 30, 1989 is the:	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 1400°F throughout the combustion process in the primary chamber?	☐ Yes	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 1400°F 	☐ Yes	
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 crematical secondary chamber.	Yes	□No
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? b. secondary chamber combustion zone temperature equal to or greater than 1400°F before the cremati process begins in the primary chamber?	☐ Yes on ☐ Yes ☐ Yes	□No
 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 on ☐ Yes ☐ Yes	□No
 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 cremating 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 throughout the combustion process in the primary chamber? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremating process begins in the primary chamber? 	☐ Yes on ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes	NoNoNoNo
 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 crematic 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 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 ☐ Yes ☐ Yes ☐ Yes	□No □No □No 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 cremating 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 throughout the combustion process in the primary chamber? b. secondary chamber combustion zone temperature equal to or greater than 1600°F before the cremating process begins in the primary chamber? 	☐ Yes on ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ (check ☑	NoNoNoNo only one
 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 on ☐ Yes ☐ Yes ☐ Yes ☐ Yes On ☐ Yes	NoNoNo only one question)

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

Emissions Unit Section 5 – Human Crematory-primary&2ndary chambers,NG fired,150#/hr

PA	ART 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? 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		□No □No
	operation? N/A d. Date of last VE test: 6/23/2009 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?		□No □No □No
	If no, what was the problem (if known)?		
PA	ART II: <u>VISIBLE EMISSIONS TESTING</u>	(check 🗹	only one
		box for each	
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 0 % 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 Yes	□No □No □No
3.	d. Did the visible emission test demonstrate compliance with the limit?		∐No ⊠No
	If yes, what reason?		
PA	ART III: MONITORING/RECORDKEEPING REQUIREMENTS	(check ☑ box for each	only one question)
1.	Were there any objectionable odors detected?		⊠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
	time at \Box 1,800 ¹ \Box 1,600 ² degrees was determined?	⊠ Yes	□No

PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)		
TART III. MONTORING/RECORDINEDI ING RECORDINEDI INDICATA INDICA		
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 3) All CEMS or monitoring device calibration checks (last performed on ()	⊠ 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 ⊠ 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 allv	⊠No
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?(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 🗹	only one
PART IV; SECUNDARY COMBUSTION ZOINE TEMI ERATURES	box for each	•
<u> </u>		
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	☐ Yes	□No
 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 cremati 		□No
a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?		□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	on	
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	on Yes	□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	on Yes	
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	on Yes	□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	Yes Yes	□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	Yes Yes	□No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	Yes Yes Yes Yes (check	No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	Yes Yes Yes Yes	No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	Yes Yes Yes Yes (check	No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	Yes Yes Yes Yes (check box for each	No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber? ————————————————————————————————————	Yes Yes Yes Yes (check box for each	No
 a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	Yes Yes Yes (check box for each of	No
a. actual operating temperature of the secondary chamber combustion zone no less than 1400°F throughout the combustion process in the primary chamber?	Yes Yes Yes (check box for each of the content	No

PART VI: EQUIPMENT MAINTENANCE		(check ☑ only one box for each question)					
1. Is the crematory unit maintained in accordance with the manufacture of the control of the crematory unit maintained in accordance with the manufacture of the crematory unit maintained in accordance with the manufacture of the crematory unit maintained in accordance with the manufacture of the crematory unit maintained in accordance with the manufacture of the crematory unit maintained in accordance with the manufacture of the crematory unit maintained in accordance with the manufacture of the crematory unit maintained in accordance with the manufacture of the crematory unit maintained in accordance with the manufacture of the crematory of th	acturer's specifications?	Yes	□No				
2. Is there a written plan onsite which addresses the operating pro shutdown and malfunction?		⊠ Yes	□No				
3. Does the crematory allow for a visible check on the flame characteristic of the flame characteristic of the crematory allow for a visible check on the flame characteristic of the crematory allow for a visible check on the flame characteristic of the crematory allow for a visible check on the flame characteristic of the crematory allow for a visible check on the flame characteristic of the crematory allow for a visible check on the flame characteristic of the crematory allows for a visible check on the flame characteristic of the crematory allows for a visible check on the flame characteristic of the crematory allows for a visible check on the flame characteristic of the	acteristics?	⊠ Yes	□No				
a. Was the flame characteristic visually checked at least once of b. Was the flame adjusted when necessary?	luring each operating shift?		□No □No				
PART VII: EU INSPECTION COMPLIANCE STATUS (check ☑ only one box)							
☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANC	E SIGNIFICANT Non-COMPL	IANCE					
Facility Section (continued)							
SPECIAL CONDITIONS AND PROCEDURES		(check v box for each	•				
 Administrative Changes: Were there any changes in the name, address, or phone number associated with a change in ownership or with a physical relocation operations comprising the facility; or any other similar minor at 2. If yes, did the facility provide written notification within 30 days. 	ation of the facility or any emissions uni dministrative change at the facility?	ts or Yes	⊠No □No				
New or Modified Process Equipment or Change in Ownership: 3. Since the last registration form submittal has there been a. Installation of any new process equipment? b. Alterations to existing process equipment without repl c. Replacement of existing equipment with equipment the d. A change in ownership?	acement?at is substantially different?	Yes Yes Yes Yes	No No No No No				
MARUFUL MALIK	08/17/2010						
Inspector's Name (Please Print)	Date of Inspection						
	08/17/2011						
Inspector's Signature	Approximate Date of Next Insp	pection					

COMMENTS: On August 17, 2010 I visited this facility to conduct the annual compliance inspection and to attend the visible emissions test. On site I met Verl Shaw, the owner of the facility. Dale Wingler, Southern Environmental Services, conducted an one hour VE test on incinerators 2, 3 & 4. Todd Clark from the same company conducted VE test on incinerators 5 & 6. Incinerator numbers are 2, 3, 4, 5 & 6. The temperature of secondary chamber was as follows during the tests: Incinerator # 2 at 1656 degrees F, # 3 at 1651, # 4 at 1655, # 5 1652, Ind # 6 at 1650. No emissions were observed from the stacks during the tests. There were no objectionable odors in or around the facility.Paul S.Nowak, the Crematory operator, was certified.