



HUMAN CREMATORY



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) COMPLAINT/DISCOVERY (CI)
 RE-INSPECTION (FUI) ARMS COMPLAINT NO:

AIRS ID#: 0250944	DATE: <u>7/23/2013</u>	ARRIVE: <u>10:05AM</u>	DEPART: <u>11:05AM</u>
FACILITY NAME: ALLEN & SHAW-OPA LOCKA FACILITY			
FACILITY LOCATION: 13931 NW 20TH CT OPA-LOCKA 33054-4117			
OWNER/AUTHORIZED REPRESENTATIVE: VERL SHAW		PHONE: (305)681-1426	
Email:		Mobile:	
CONTACT NAME: VERL SHAW		PHONE: (305)681-1426	
Email:		Mobile:	
ENTITLEMENT PERIOD: 5/31/2014 / 5/31/2019 (effective date) (end date)			

Facility Section

PART I: INSPECTION COMPLIANCE STATUS (check only one box)

IN COMPLIANCE MINOR Non-COMPLIANCE SIGNIFICANT Non-COMPLIANCE

PART II: ONSITE INTRODUCTORY MEETING (check only one box for each question)

1. Name(s) of facility representative(s): Patricia Nowak
 Brief Notes: _____

2. Is the Authorized Representative still VERL SHAW? ----- Yes ..No
 If no, who is?: _____
 If different, did the facility provide an administrative update within 30 days? ----- Yes ..No

3. Is the facility contact still VERL SHAW? ----- Yes ..No
 If no, who is?: _____

4. Will facility be conducting VE test(s) during today's inspection? ----- Yes ..No
 If yes, was the compliance authority notified at least 15 days in advance? ----- 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;
monitoring system all continuous performance evaluations ----- Yes ..No
 - 3) All CEMS or monitoring device calibration checks (last performed on ()) ----- 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 automatically 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

PART IV: SECONDARY COMBUSTION ZONE TEMPERATURES

(check only one box for each question)

1. If the application to construct was **BEFORE** August 30, 1989 is the:
- a. actual operating temperature of the secondary chamber combustion zone no less than **1400°F** throughout the combustion process in the primary chamber? ----- Yes ..No
 - b. secondary chamber combustion zone temperature equal to or greater than **1400°F** before the cremation process begins in the primary chamber? ----- Yes ..No
2. If the application to construct **ON** or **AFTER** August 30, 1989 is the:
- a. the actual operating temperature of the secondary chamber combustion zone no less than **1600°F** throughout the combustion process in the primary chamber? ----- Yes ..No
 - b. secondary chamber combustion zone temperature equal to or greater than **1600°F** before the cremation process begins in the primary chamber? ----- Yes ..No

PART V: ALLOWED MATERIALS

(check only one box for each question)

1. *Other than* human or fetal remains with appropriate containers or clothing, are any materials, including biomedical wastes, incinerated in the unit? ----- Yes ..No
2. Do cremation containers contain no more than 0.5 % (percent) by weight chlorinated plastics as certified by the manufacturer? ----- Yes ..No
- If yes, is the certifying documentation from the manufacturer kept on file for at least 2 years from use? Yes ..No

PART VI: EQUIPMENT MAINTENANCE

(check only one box for each question)

1. Is the crematory unit maintained in accordance with the manufacturer's specifications? ----- Yes ..No
2. Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction? ----- Yes ..No
3. Does the crematory allow for a visible check on the flame characteristics? ----- Yes ..No
If no, skip a. – b.
- a. Was the flame characteristic visually checked at least once during each operating shift? ----- Yes ..No
- b. Was the flame adjusted when necessary? ----- Yes ..No

PART VII: EU INSPECTION COMPLIANCE STATUS (check only one box)

- IN COMPLIANCE MINOR Non-COMPLIANCE SIGNIFICANT Non-COMPLIANCE



PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)

- c. Are the following records kept on file, available for inspection, for at least the past two years?
- 1) All temperature measurements ----- Yes ..No
 - 2) all continuous monitoring systems, monitoring devices, and performance testing measurements;
monitoring system all continuous performance evaluations ----- Yes ..No
 - 3) All CEMS or monitoring device calibration checks (last performed on ()) ----- Yes ..No
 - 4) Adjustments ----- 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
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- (1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatically control combustion based on continuous in-stack opacity measurement? ----- Yes ..No
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PART V: ALLOWED MATERIALS

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1. *Other than* human or fetal remains with appropriate containers or clothing, are any materials, including biomedical wastes, incinerated in the unit? ----- Yes ..No
2. Do cremation containers contain no more than 0.5 % (percent) by weight chlorinated plastics as certified by the manufacturer? ----- Yes ..No
If yes, is the certifying documentation from the manufacturer kept on file for at least 2 years from use? Yes ..No

PART VI: EQUIPMENT MAINTENANCE

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If no, skip a. – b.
- a. Was the flame characteristic visually checked at least once during each operating shift? ----- Yes ..No
- b. Was the flame adjusted when necessary? ----- Yes ..No

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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
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 - 5) Preventive maintenance performed on systems/devices ----- Yes ..No
 - 6) Corrective maintenance performed on systems/devices ----- Yes ..No
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- (1) Is the crematory unit equipped and operated with a pollutant monitoring system to automatically 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
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PART V: ALLOWED MATERIALS

(check only one box for each question)

1. *Other than* human or fetal remains with appropriate containers or clothing, are any materials, including biomedical wastes, incinerated in the unit? ----- Yes ..No
2. Do cremation containers contain no more than 0.5 % (percent) by weight chlorinated plastics as certified by the manufacturer? ----- Yes ..No
- If yes, is the certifying documentation from the manufacturer kept on file for at least 2 years from use? Yes ..No

PART VI: EQUIPMENT MAINTENANCE

(check only one box for each question)

- 1. Is the crematory unit maintained in accordance with the manufacturer's specifications? ----- Yes ..No
- 2. Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction? ----- Yes ..No
- 3. Does the crematory allow for a visible check on the flame characteristics? ----- Yes ..No
If no, skip a. – b.
 - a. Was the flame characteristic visually checked at least once during each operating shift? ----- Yes ..No
 - b. Was the flame adjusted when necessary? ----- Yes ..No

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PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)

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 - 2) all continuous monitoring systems, monitoring devices, and performance testing measurements; monitoring system all continuous performance evaluations ----- Yes ..No
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PART V: ALLOWED MATERIALS

(check only one box for each question)

1. *Other than* human or fetal remains with appropriate containers or clothing, are any materials, including biomedical wastes, incinerated in the unit? ----- Yes ..No
2. Do cremation containers contain no more than 0.5 % (percent) by weight chlorinated plastics as certified by the manufacturer? ----- Yes ..No
If yes, is the certifying documentation from the manufacturer kept on file for at least 2 years from use? Yes ..No

PART VI: EQUIPMENT MAINTENANCE

(check only one box for each question)

- 1. Is the crematory unit maintained in accordance with the manufacturer's specifications? ----- Yes ..No
- 2. Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction? ----- Yes ..No
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 - a. Was the flame characteristic visually checked at least once during each operating shift? ----- Yes ..No
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PART III: MONITORING/RECORDKEEPING REQUIREMENTS (continued)

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2. Do cremation containers contain no more than 0.5 % (percent) by weight chlorinated plastics as certified by the manufacturer? ----- Yes ..No
- If yes, is the certifying documentation from the manufacturer kept on file for at least 2 years from use? Yes ..No

PART VI: EQUIPMENT MAINTENANCE

(check only one box for each question)

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- a. Was the flame characteristic visually checked at least once during each operating shift? ----- Yes ..No
- b. Was the flame adjusted when necessary? ----- Yes ..No

PART VII: EU INSPECTION COMPLIANCE STATUS (check only one box)

- IN COMPLIANCE MINOR Non-COMPLIANCE SIGNIFICANT Non-COMPLIANCE

Facility Section (continued)

SPECIAL CONDITIONS AND PROCEDURES

(check only one box for each question)

Administrative Changes:

- 1. 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 ..No
- 2. 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 ----- Yes ..No
 - a. Installation of any new process equipment? ----- Yes ..No
 - b. Alterations to existing process equipment without replacement? ----- Yes ..No
 - c. Replacement of existing equipment with equipment that is substantially different? ----- Yes ..No
 - d. A change in ownership? ----- Yes ..No
- If the any answer to 3a. – d. is Yes , was a new registration form and the appropriate fee submitted 30 days prior to the change? ----- Yes ..No

MARUFUL MALIK

7/23/2014

Inspector's Name (Please Print)

Date of Inspection

7/2015

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: On July 23, 2014 I visited this facility to conduct the compliance inspection. On site I met Verl Shaw, the manager of the facility. This is a Human Cremation facility with five (5) Crematories are as follows: On the far left Crematory # four (4) ---- B & L Cremation Systems , model PH II -1 Serial # 704- 487-03, Rate : 150 lb/hr TYPE IV, Fuel : Natural gas, Motor : 5 HP, Power --- 230 VAC 60 Hz 1025 Amp. Crematory # Three (3) was to the right side of Crematory # 4 ---- B & L Cremation Systems, model N20AA Serial # 581-364-01, Rate : 150 lb/ hr TYPE IV, Fuel : Natural gas, Motor : 5 HP, Power --- 230 VAC 60 Hz 1025 Amp. To the right side Crematoty # 3 was Crematory # 2 ----- B & L Cremation Systems, model N20AA Serial # 496-279-00, Rate : 150 lb/hr Type IV, Fuel : Natural gas, Motor 5 HP, Power --- 230 VAC 60 Hz 1025 Amp. To the right side of Crematory # 2 was Crematory # 6 ---- B & L Cremation Systems, model Phoenix II 1 Serial # 853-636-08, Rate : 150 lb/hr TYPE IV, Fuel : Natural gas, Motor : 5 Hp, Power --- 230 VAC 60 Hz 1025 Amp. To the far right next to Crematory # 6 was Crematory #

5 ---- B & L Cremation Systems, model PH II -1 Serial # 705-488-03, Rate : 150 lb/hr TYPE IV, Fuel : Natural gas, Motor : 5 HP, Power --- 230 VAC 60 Hz 1025 Amp. According to Patricia Nowak, Incinerator # One (1) was replaced by Incinerator # six (6) in the year 2007. The temperature of the secondary chamber was as follows: Incinerator # 4 was at 1677 degrees F, Incinerator # 3 was at 1670 degrees F and Incinerator # 6 was at 1650 degrees F. Incinerator # 2 and # 5 were not in operation during the time of my inspection. Taryaan Verde has been working as Crematory Operator since 2013 and a copy of his certification was provided. No objectionable odor was detected inside or outside the facility. No emissions were observed during my visit.

REVIEWED

By Ray Gordon at 12:14 pm, Aug 01, 2014