



HUMAN CREMATORY
COMPLIANCE INSPECTION CHECKLIST



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

AIRS ID#: 1050323 **DATE:** 12.14.2009 **ARRIVE:** 1343 **DEPART:** 1525
FACILITY NAME: J.L. LOCKE & COMPANY CREMATION SERVICES
FACILITY LOCATION: 122 N STATE ST
 DAVENPORT 33863
OWNER/AUTHORIZED REPRESENTATIVE: LARRY LOCKE **PHONE:** (863)421-7773
CONTACT NAME: LARRY LOCKE **PHONE:** (863)421-7773
ENTITLEMENT PERIOD: 4/18/2005 / 4/18/2010
(effective date) (end date)

PART I: INSPECTION COMPLIANCE STATUS (check only one box)
 IN COMPLIANCE MINOR Non-COMPLIANCE SIGNIFICANT Non-COMPLIANCE

PART II: TESTING/RECORDKEEPING REQUIREMENTS – Rule 62-296.401, F.A.C.
 (check appropriate box(es))

1. Were there any objectionable odor(s) detected?----- Yes No

2. Was a visible emissions test conducted during this site visit according to EPA Method 9 (Ref.: Chapter 62-297, F.A.C.)?----- Yes No

3. In order to demonstrate individual source compliance, was an annual visible emissions test conducted within 30 days after the unit has commenced operation and annually thereafter (Rule 62-296.401(5)(h), F.A.C.)- Yes No

4. Was all visible emissions testing conducted with the source operating at the manufacturers recommended capacity?----- Yes No

5. Was the Department notified at least 15 days prior to the date of the last formal compliance test?----- Yes No

6. Was the required test report filed with the Department as soon as practical, but no longer than 45 days after the test was completed?----- Yes No

PART III: OPERATING/RECORDKEEPING REQUIREMENTS – Rule 62-296.401, F.A.C.

(check appropriate box(es))

1. Is there **Continuous Emissions Monitoring System (CEMS)** equipment installed on each unit to record temperatures in the primary and secondary chambers where there is a 1.0 second gas residence time in the secondary chamber combustion zone in accordance with the manufacturer's instructions?----- **To be determined by crematory initiative** Yes No

a) Do temperature probes seem to be properly placed? **To be determined by crematory initiative** ----- Yes No

b) Are the following records kept on file, available for inspection for at least two years following the recording of such measurements, maintenance, reports and records? **NA this inspection was a crematory initiative inspection**

1) All measurements (including CEMS)----- Yes No

2) Monitoring device----- Yes No

3) Performance Testing Measurements ----- Yes No

4) CEMS Performance Evaluation----- Yes No

5) All CEMS or monitoring device calibration checks----- Yes No

6) Adjustments----- Yes No

7) Preventive maintenance performed on systems/devices----- Yes No

8) Corrective maintenance performed on systems/devices----- Yes No

2. Was this crematory unit constructed: (check only one box)

a) **BEFORE** August 30, 1989? (If this box checked, continue on to #3 and skip #4)

b) **ON** or **AFTER** August 30, 1989? (If this box checked, skip #3 and continue on to #4)

3. If constructed **BEFORE** August 30, 1989 is the:

a) secondary chamber combustion zone providing at least a 1.0 second gas residence time @ **1600°F**?--- Yes No

b) actual operating temperature of the secondary chamber combustion zone no less than **1400°F** throughout the combustion process in the primary chamber?----- Yes No

c) cremation in the primary chamber begun after the secondary chamber combustion zone temperature is equal to or greater than **1400°F**?----- Yes No

d) required monitoring equipment installed and operational, and providing continuous monitoring to record the temperature at the point or beyond where 1.0 second gas residence time is obtained in the secondary chamber combustion zone according to the manufacturer's instructions?----- Yes No

4. If constructed **ON** or **AFTER** August 30, 1989 is the:

a) volume in the secondary combustion zone sufficient to provide at least a 1.0 second gas residence time @ **1800° F**?--- **NA this inspection was a crematory initiative inspection** - Yes No

b) the actual operating temperature of the secondary chamber combustion zone no less than **1600°F** throughout the combustion process in the primary chamber? - **NA this inspection was a crematory initiative inspection** --- Yes No

c) secondary chamber combustion zone temperature equal to or greater than **1600°F** before the cremation process begins in the primary chamber? **NA this inspection was a crematory initiative inspection** Yes No

5. Are appropriate cremation containers containing no more than 0.5 % (percent) by weight chlorinated plastics used during the cremation of dead human bodies? **NA this inspection was a crematory initiative inspection** Yes No

a) If the answer to question 4 above is YES, is certifying documentation from the manufacturer that they are composed of 0.5% or less by weight chlorinated plastics kept on file at the site for the duration of their use and for at least two years after their use?----- Yes No

b) Are there any other materials, including biomedical wastes (Rule 62-210.200, FAC) incinerated at this location?----- Yes No

PART IV: EQUIPMENT MAINTENANCE – Rule 62-296.401, F.A.C.

1. Is the crematory unit maintained in proper working order **NA this inspection was a crematory initiative inspection** Yes No

2. Are there maintenance record kept onsite? - **NA this inspection was a crematory initiative inspection** - Yes No

3. Is there a written plan onsite which addresses the operating procedures during startup,

shutdown and malfunction?-- NA this inspection was a crematory initiative inspection ----- Yes No

PART V: SPECIAL CONDITIONS AND PROCEDURES – Rule 62-210.310(2), F.A.C.

A. New or Modified Process Equipment

1. Since the last inspection has there been

- a) installation of any new process equipment?----- Yes No
- b) alterations to existing process equipment without replacement?----- Yes No
- c) replacement of existing equipment substantially different than that noted on the most recent notification form?----- Yes No
- d) If you answered **YES** to any of the above, did the owner submit a new and complete notification form and appropriate fee (Rule 62-4.050, F.A.C.) to the appropriate DEP or local program office?----- Yes No

COMMENTS: According to this checklist the facility seems to be in compliance. This was also a crematory initiative inspection. When James Burkholder completes the calculations for the location of the thermocouple we will address any issue that may arise from these calculations. Let Larry Locke know his permit expires 04/18/2010.

Joseph V. Panetta

Inspector's Name

Inspector's Signature

12/14/2010

Date of Inspection

Approximate Date of Next Inspection



ANIMAL CREMATORY

COMPLIANCE INSPECTION CHECKLIST



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FACILITY LOCATION: 122 N STATE ST
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OWNER/AUTHORIZED REPRESENTATIVE: LARRY LOCKE **PHONE:** (863)421-7773

CONTACT NAME: LARRY LOCKE **PHONE:** (863)421-7773

ENTITLEMENT PERIOD: 4/18/2005 / 4/18/2010
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PART I: INSPECTION COMPLIANCE STATUS (check only one box)

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PART II: TESTING/RECORDKEEPING REQUIREMENTS – Rule 62-296.401, F.A.C.
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1. Were there any objectionable odor(s) detected?----- Yes No
2. Was a visible emissions test conducted during this site visit according to EPA Method 9 (Ref.: Chapter 62-297, F.A.C.)?----- Yes No
3. In order to demonstrate individual source compliance, was an annual visible emissions test conducted within 30 days after the unit has commenced operation and annually thereafter (Rule 62-296.401(5)(h), F.A.C.)- Yes No
4. Was all visible emissions testing conducted with the source operating at the manufacturers recommended capacity?----- Yes No
5. Was the Department notified at least 15 days prior to the date of the last formal compliance test?----- Yes No
6. Was the required test report filed with the Department as soon as practical, but no longer than 45 days after the test was completed?----- Yes No
7. Was the Department notified at least 15 days prior to the date of the last formal compliance test?----- Yes No
8. Was the required test report filed with the Department as soon as practical, but no longer than 45 days after the test was completed?----- Yes No

PART III: OPERATING/RECORDKEEPING REQUIREMENTS – Rule 62-296.401, F.A.C.

(check appropriate box(es))

1. Is there **Continuous Emissions Monitoring System (CEMS)** equipment installed on each unit to record temperatures in the primary and secondary chambers where there is a 1.0 second gas residence time in the secondary chamber combustion zone in accordance with the manufacturer's instructions?----- **To be determined by crematory initiative** Yes No

a) Do temperature probes seem to be properly placed? **To be determined by crematory initiative** ----- Yes No

b) Are the following records kept on file, available for inspection for at least two years following the recording of such measurements, maintenance, reports and records? **NA this inspection was a crematory initiative inspection**

1) All measurements (including CEMS)----- Yes No

2) Monitoring device----- Yes No

3) Performance Testing Measurements ----- Yes No

4) CEMS Performance Evaluation----- Yes No

5) All CEMS or monitoring device calibration checks----- Yes No

6) Adjustments----- Yes No

7) Preventive maintenance performed on systems/devices----- Yes No

8) Corrective maintenance performed on systems/devices----- Yes No

2. Was this crematory unit constructed: (check only one box)

a) **BEFORE** August 30, 1989? (If this box checked, continue on to #3 and skip #4)

b) **ON** or **AFTER** August 30, 1989? (If this box checked, skip #3 and continue on to #4)

3. If constructed **BEFORE** August 30, 1989 is the:

a) secondary chamber combustion zone providing at least a 1.0 second gas residence time @ **1600°F**?---- Yes No

b) actual operating temperature of the secondary chamber combustion zone no less than **1400°F** throughout the combustion process in the primary chamber? **NA this inspection was a crematory initiative inspection** Yes No

c) cremation in the primary chamber begun after the secondary chamber combustion zone temperature is equal to or greater than **1400°F**?- **NA this inspection was a crematory initiative inspection** --- Yes No

d) required monitoring equipment installed and operational, and providing continuous monitoring to record the temperature at the point or beyond where 1.0 second gas residence time is obtained in the secondary chamber combustion zone according to the manufacturer's instructions? **NA this inspection was a crematory initiative inspection** Yes No

4. If constructed **ON** or **AFTER** August 30, 1989 is the:

a) volume in the secondary combustion zone sufficient to provide at least a 1.0 second gas residence time

@ **1800° F**?----- Yes No

No

b) 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

c) secondary chamber combustion zone temperature equal to or greater than **1600°F** before the cremation process begins in the primary chamber?----- Yes No

5. Are appropriate leak-proof containers containing no more than 0.5 % (percent) by weight chlorinated

plastics used during the cremation of dead animals?----- Yes No

a) If the answer to question 4 above is YES, is certifying documentation from the manufacturer that they are composed of 0.5% or less by weight chlorinated plastics kept on file at the site for the duration of their use and for at least two years after their use?----- Yes No

b) If plastic bags are used for the cremation of animals are they non-chlorinated and no less than 3 mils thick?----- Yes No

c) Are dead animals, which have been used for medical or commercial experimentation, or other materials, including biomedical wastes (Rule 62-210.200, F.A.C.), incinerated at this location?----- Yes No

6. During this review period, was the largest batch load cremated 500 pounds per hour or less?----- Yes No

PART IV: EQUIPMENT MAINTENANCE – Rule 62-296.401, F.A.C.

1. Is the crematory unit maintained in proper working order?-----not operating at time ----- Yes No

2. Are there maintenance record kept onsite?----- Yes No

3. Is there a written plan onsite which addresses the operating procedures during startup, shutdown and malfunction?----- Yes No

PART V: SPECIAL CONDITIONS AND PROCEDURES – Rule 62-210.310(2), F.A.C.

A. New or Modified Process Equipment

1. Since the last inspection has there been

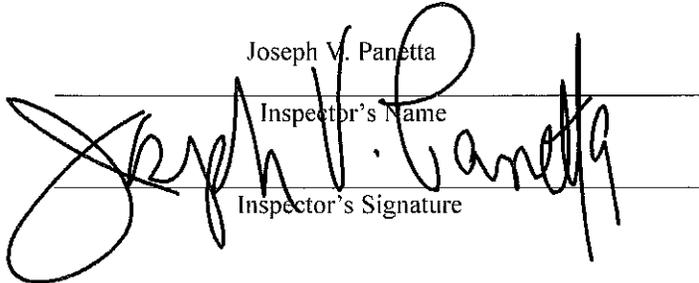
a) installation of any new process equipment?----- Yes No

b) alterations to existing process equipment without replacement?----- Yes No

c) replacement of existing equipment substantially different than that noted on the most recent notification form?----- Yes No

d) If you answered **YES** to any of the above, did the owner submit a new and complete notification form and appropriate fee (Rule 62-4.050, F.A.C.) to the appropriate DEP or local program office?----- Yes No

COMMENTS According to this checklist the facility seems to be in compliance. This was also a crematory initiative inspection. When James Burkholder completes the calculations for the location of the thermocouple we will address any issue that may arise from these calculations. Let Larry Locke know his permit expires 04/18/2010.

Joseph V. Panetta
 Inspector's Name

 Inspector's Signature

12/14/2010
 Date of Inspection

 Approximate Date of Next Inspection

Inspection list for Crematories

Facility Name:

J. C. Coker

12/14/09

Facility ID No:

1050323

Em. Unit 1 on Right

Joseph V. Reed

Crematory Unit Number 001

Crematory Unit Information:	
Emission Unit No.	TEC Power Pak # 0050199 EU 001
Specifications:	150 CBS/Per Hour
Thermocouple Location:	Diagram/Description: See Attached Diagram
Afterburner Location:	Diagram/Description: See Attached Diagram

Inspection list for Crematories

Facility Name:

J.C. Locke

Facility ID No:

1050323

Chart and Digital Logic Controller:	
Chart Make & Model:	Honeywell DR4311 9851Y8395433000005
Digital Logic Controller Make & Model:	Honey UDC-2000 Mini-Pro SN: 9840Y8384491600017
Chart Specifications:	120V 60 Hz 10VA 0-2400 °F
Digital Logic Controller Specifications:	120V 60 Hz 10VA
Check for agreement between Chart & Digital Logic Controller	Agreement: YES Agreement: NO If NO, provide comments: N/A
Chart Calibration:	Date of Last Calibration: Approximately 2 years Ago Calibration Performed by: Matthews Chemical Service Results of Calibration: Not Known
Digital Logic Controller Calibration:	Date of Last Calibration: Approximately 2 years Ago Calibration Performed by: Same Results of Calibration: Same
Digital Logic Controller Bias	Details of Bias: N/A Chart Recorder reading at Bias determination:

Inspection list for Crematories

Facility Name:

J.L. Locke

Facility ID No:

1050323

	<p>Comparison:</p> <p>If bias is found, request information of previous calibrations to determine when it was put in and by whom.</p> <p>Obtain copies of the recorder charts, during and after the check.</p>
Chart Recorder	Scan in 2 years of temperature charts
Unit Maintenance	
Date of Last Service	
Name of Company Servicing Unit:	Name/ Address/Phone #/email and/or fax # Matthews
Description of repairs/adjustments:	
Maintenance Log:	YES NO
Maintained Routinely:	YES NO
	If NO, provide comments.

Inspection list for Crematories

Facility Name: J.L. Locke

Facility ID No: 1050323

Repair Records 62-296.401(5&6)(e), FAC:	2 years of records on-site: <input checked="" type="radio"/> YES <input type="radio"/> NO If NO, provide comments.
62-210.310 (3), FAC - General Conditions:	
Permit	Issuance Date: <u>4/18/2005</u> Expiration Date: <u>4/18/2010</u>
Owner:	Same as permit: <input checked="" type="radio"/> YES <input type="radio"/> NO If NO, provide current owner information:
62-296.401(5&6), FAC - Specific Conditions Human and Animal Crematories	
Visible Emissions	
Particulate Matter Emissions	
Carbon Monoxide (CO) Emissions	

Inspection list for Crematories

Facility Name:

J.L. Locke

Facility ID No:

1050323

Operating Temperatures	
Allowed Material	
Operating Procedures for start-up, shutdown and malfunction	
Air-to-Fuel Ration	Propane 11 inches W.C.

Retention Time Calculations and Thermocouple Location:

NOTE If the temperatures cannot be met at the point or beyond where 1.0 second gas residence time is obtained in the secondary chamber combustion zone, then both the closer thermocouple location and bias would compensate for it.

J. L. Locke

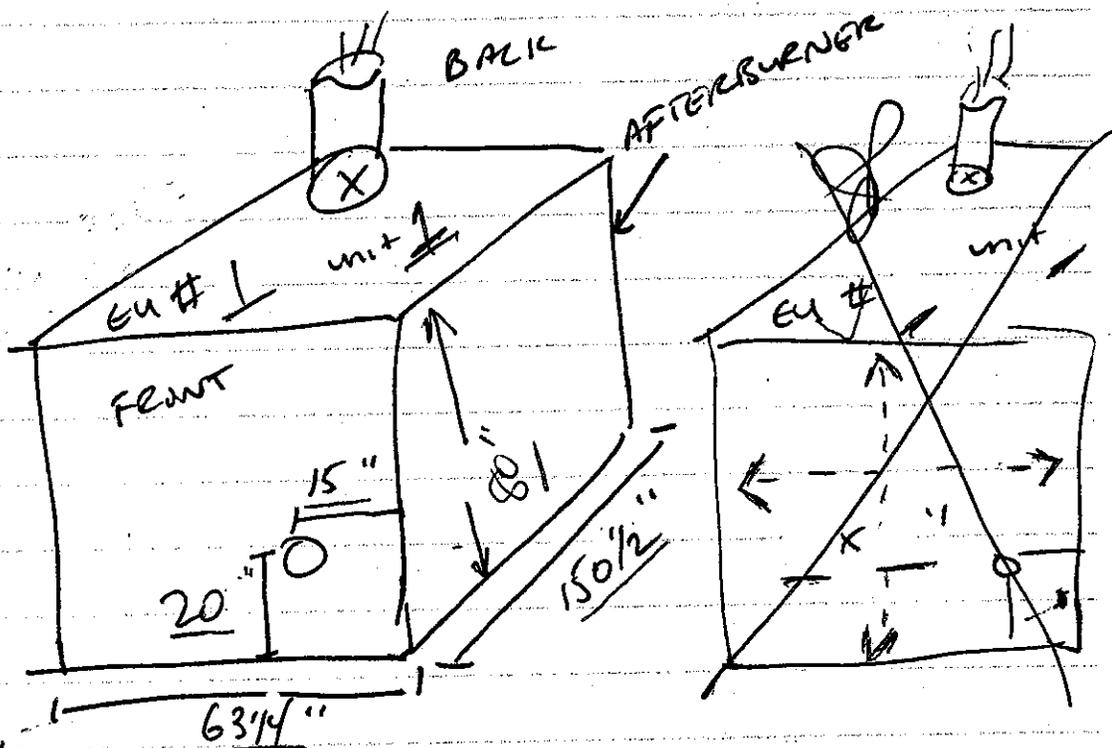
1050323

Joseph Pad

12/14/09

MATHew
IE Power PAR II

Em. Unit #1



5 1/4" from charge door to front
 12" from wall/secondary chamber to front

Air controls

Throat control 1hr delay - shuts off after 1hr
 Hearth air 1hr delay - turns on after 1hr

can adjust depending on cremation status.
 manual check ~45 mins into

Inspection list for Crematories

12/14/09

Facility Name:

J.L. Locke

Facility ID No:

1050323

Joseph R. [Signature]

Crematory Unit Number 002

Em. Unit #2 on left

Crematory Unit Information:	
Emission Unit No.	Σ 4 002
Specifications:	B&L N20 SA SN: 500-283-00 150 lbs/Hr
Thermocouple Location:	Diagram/Description: See ATTACHED Diagram
Afterburner Location:	Diagram/Description: See ATTACHED Diagram

Inspection list for Crematories

Facility Name:

J.L. Locke

Facility ID No:

1050323

Chart and Digital Logic Controller:	
Chart Make & Model:	Honeywell DR 4300 S/N. 0039Y04820450001
Digital Logic Controller Make & Model:	Fuji Electric S/N: ? Not on Controls
Chart Specifications:	0-2400°F
Digital Logic Controller Specifications:	Not on Controls
Check for agreement between Chart & Digital Logic Controller	Agreement: YES Agreement: NO If NO, provide comments: N/A
Chart Calibration:	Date of Last Calibration: Calibration Performed by: Results of Calibration:
Digital Logic Controller Calibration:	Date of Last Calibration: Calibration Performed by: Results of Calibration:
Digital Logic Controller Bias	Details of Bias: N/A Chart Recorder reading at Bias determination:

Inspection list for Crematories

Facility Name:

J.L. Locke

Facility ID No:

1050323

	<p>Comparison:</p> <p>If bias is found, request information of previous calibrations to determine when it was put in and by whom.</p> <p>Obtain copies of the recorder charts, during and after the check.</p>
Chart Recorder	Scan in 2 years of temperature charts
Unit Maintenance	
Date of Last Service	
Name of Company Servicing Unit:	Name/ Address/Phone #/email and/or fax #
Description of repairs/adjustments:	
Maintenance Log:	YES NO
Maintained Routinely:	YES NO
	If NO, provide comments.

Inspection list for Crematories

Facility Name:

J.L. Locke

Facility ID No:

1050323

Repair Records 62-296.401(5&6)(e), FAC:	2 years of records on-site: YES NO If NO, provide comments.
62-210.310 (3), FAC - General Conditions:	
Permit	Issuance Date: Expiration Date:
Owner:	Same as permit: YES NO If NO, provide current owner information:
62-296.401(5&6), FAC - Specific Conditions Human and Animal Crematories	
Visible Emissions	
Particulate Matter Emissions	
Carbon Monoxide (CO) Emissions	

Inspection list for Crematories

Facility Name:

S.L. Locke

Facility ID No:

1050323

Operating Temperatures	
Allowed Material	
Operating Procedures for start-up, shutdown and malfunction	
Air-to-Fuel Ration	Propane @ 11 inches W.C.

Retention Time Calculations and Thermocouple Location:

NOTE If the temperatures cannot be met at the point or beyond where 1.0 second gas residence time is obtained in the secondary chamber combustion zone, then both the closer thermocouple location and bias would compensate for it.

EM

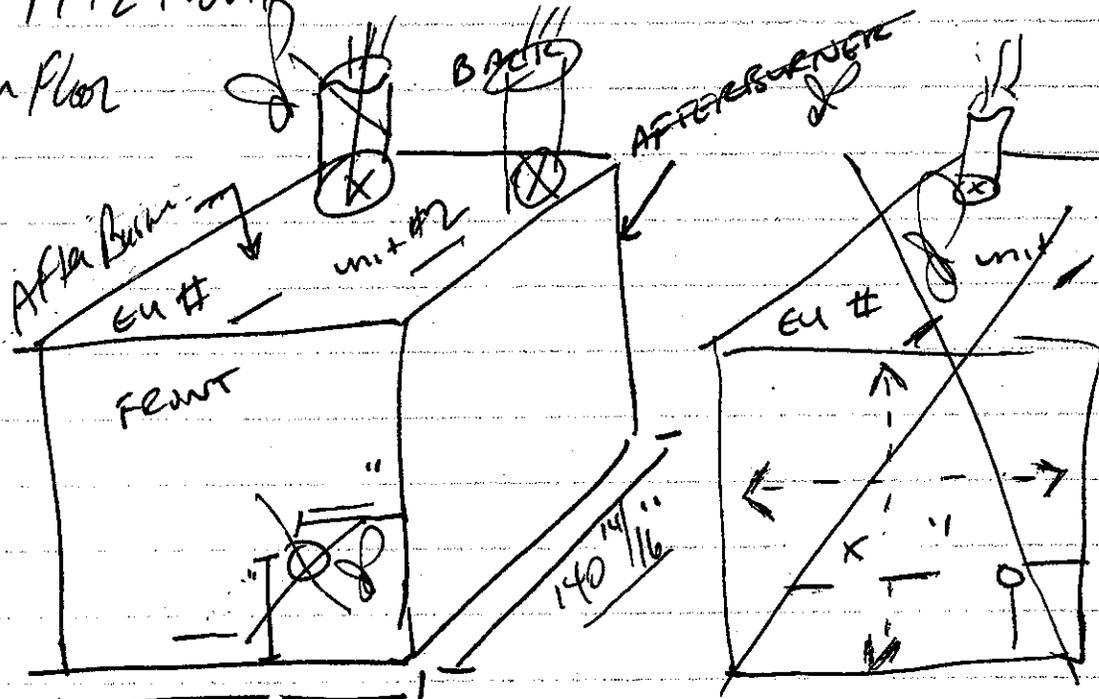
Unit # 2
BSL N205A

J.L. Locke
1050323

12/14/09

Joseph Paul

Thermo couple on
left side 47 1/2 From Rear
17 3/4 From Floor



4" from charge door to front
10 1/4" from wall/secondary chamber to front

Air controls

Throat control 1hr delay - shuts off after 1hr
Heaven air 1hr delay - turns on after 1hr

can adjust depending on cremation status.
manual check ~45 mins into

Animal

CREMATORY DATA SHEET

DATE: 12/14/09

FACILITY NAME: J.L. Locke

ID#: 1050323

MANUFACTURER: Crawford

MODEL: CS00P

SERIAL NO: 1C9616R0996

BURNER DATA: L.P. GAS 11 W.C.

Unit# 3

CHART RECORDER TYPE/MAKE/MODEL:

Honeywell / DR4502

CALIBRATION DATE:

9140838840001

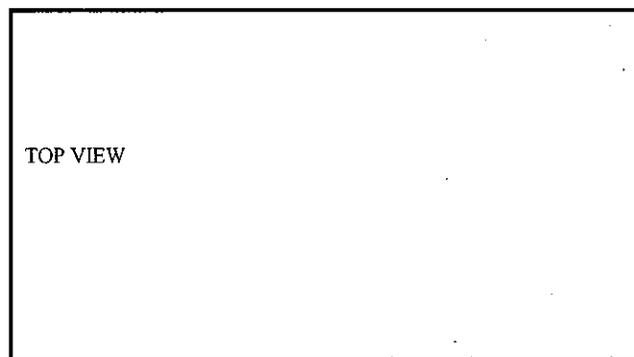
DIGITAL CONTROLLER TYPE/MAKE/MODEL:

CALIBRATION DATE:

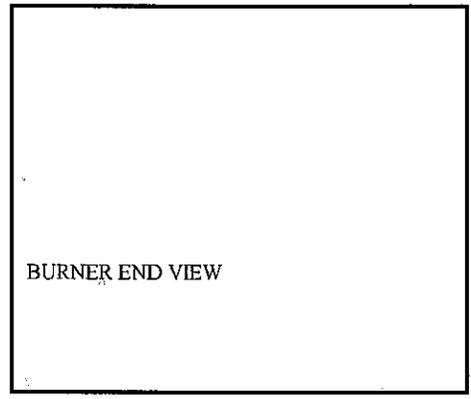
Built into Chart Recorder

THERMOCOUPLE LOCATION (INCLUDE HEIGHT): See Attached Drawing page 2

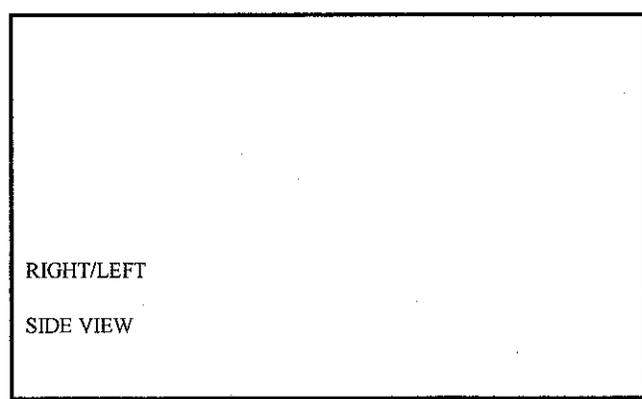
See Attached Diagram Pg 2



TOP VIEW



BURNER END VIEW



RIGHT/LEFT

SIDE VIEW

Animal
CR Ford Unit #3

J.L. Locke
1050323

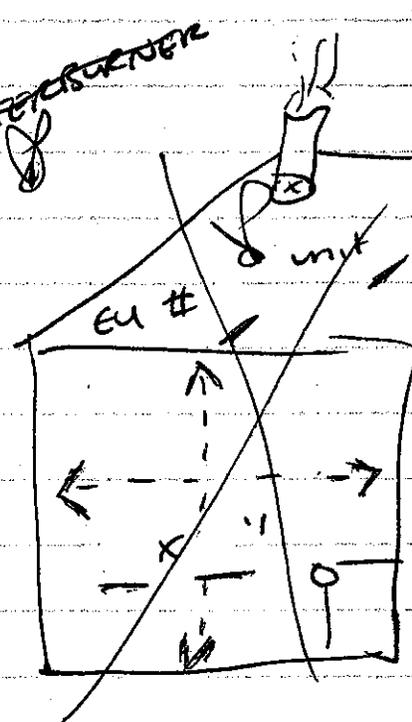
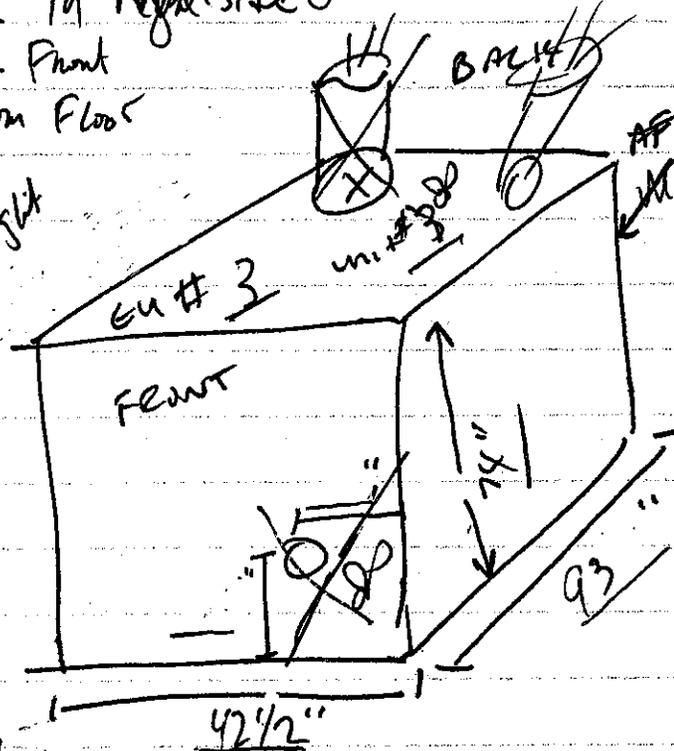
Page 2 of 2

12-14-09

Joseph Paul

Thermocouple in ~~Right Side~~
23 inch From Front
15 inch From Floor

Air Flow ~~on Right~~
Left side



8 1/2 " from charge door to front
8 1/2 " from wall/secondary chamber to front

Air controls

Throat control 1hr delay - shuts off after 1hr
Heaven air 1hr delay - turns on after 1hr

can adjust depending on cremation status.
manual check ~45 mins into