

Inspection list for Crematories

Facility Name:

Nature Coast Pet Cremation

Facility ID No:

0170373-001-AG

Crematory Unit Number

N/A

11/22/2010
Joseph [Signature]

Crematory Unit Information:	
Emission Unit No.	001
Specifications:	B&L 150 LBS Per Hour BLP 50 lbs Pet Cremation Unit
Thermocouple Location:	Diagram/Description: left Side of Machine looking at front
Afterburner Location:	Diagram/Description: left Side of Machine

Inspection list for Crematories

Facility Name:

Facility ID No:

Chart and Digital Logic Controller:	
Chart Make & Model:	Future Design DR 5000 SN: 5000 1100210
Digital Logic Controller Make & Model:	PRX-9 SIEMENS Logo 230 RC
Chart Specifications:	0-200 °F
Digital Logic Controller Specifications:	120 VAC - 24 VAC
Check for agreement between Chart & Digital Logic Controller	Agreement: <input checked="" type="checkbox"/> YES Agreement: NO If NO, provide comments:
Chart Calibration:	Date of Last Calibration: 11-17-10 Calibration Performed by: Bender BEL Cremation Svcs / Ben Chaste Results of Calibration:
Digital Logic Controller Calibration:	Date of Last Calibration: 11-17-10 Calibration Performed by: BEL Cremation Svcs / Ben Chaste Results of Calibration:
Digital Logic Controller Bias	Details of Bias: Chart Recorder reading at Bias determination:

Inspection list for Crematories

Facility Name:

Facility ID No:

	<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	<p>Scan in 2 years of temperature charts</p> <p align="center"><i>Opening inspection</i></p>
Unit Maintenance	
Date of Last Service	<p align="center"><i>11/19/2010</i></p>
Name of Company Servicing Unit:	<p>Name/ Address/Phone #/email and/or fax #</p> <p align="center"><i>B & L Cremation Services Largo FL 1-800-622-5411</i></p>
Description of repairs/adjustments:	<p align="center"><i>N/A</i></p>
Maintenance Log:	<p align="center"><input checked="" type="radio"/> YES NO</p>
Maintained Routinely:	<p align="center"><input checked="" type="radio"/> YES NO</p> <p>If NO, provide comments. <i>Opening inspection</i></p>

Inspection list for Crematories

Facility Name:

Facility ID No:

Repair Records 62-296.401(5&6)(e), FAC:	2 years of records on-site: <u>YES</u> NO If NO, provide comments.
62-210.310 (3), FAC - General Conditions:	
Permit	Issuance Date: 9/12/2010 Expiration Date: 9/12/2015
Owner:	Same as permit: <u>YES</u> NO If NO, provide current owner information:
62-296.401(5&6), FAC - Specific Conditions Human and Animal Crematories	
Visible Emissions	YES 11/22/2010
Particulate Matter Emissions	N/A
Carbon Monoxide (CO) Emissions	N/A

Inspection list for Crematories

Facility Name:

Facility ID No:

Operating Temperatures	1650
Allowed Material	Went over w/ owner
Operating Procedures for start-up, shutdown and malfunction	In original owners manual
Air-to-Fuel Ration	Propane @ 11in WC (2.7KPa)

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.

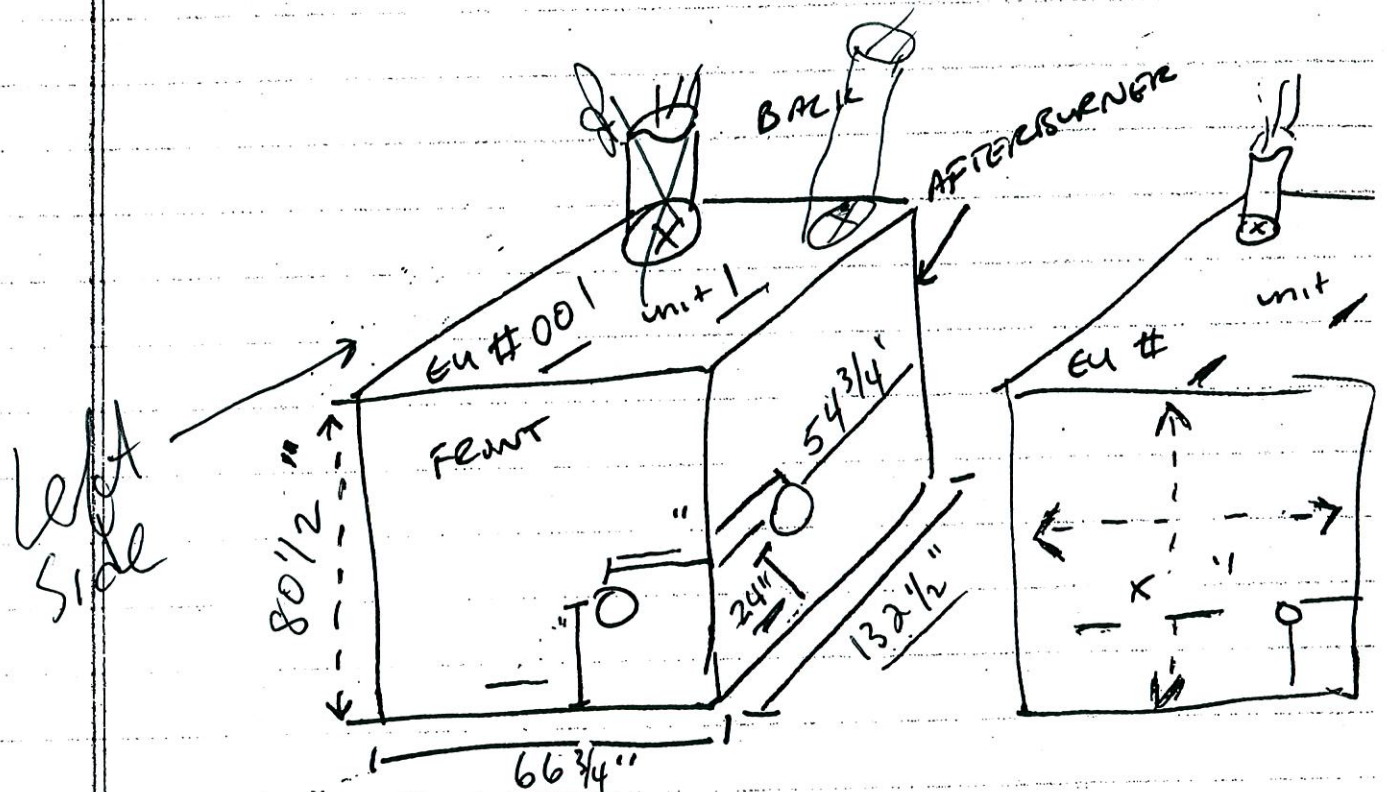
Nature Coast PET CREMATION

11/22/2010

0170373-001-AG

EU 001

By: Joseph V. Pangallo
~~Joseph V. Pangallo~~



13 1/4" from charge door to front
10 1/4" from wall/secondary chamber to front

Note: STACK is ON Right Near
Thermocouple on left side of Machine



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Interim Secretary

CC COPY

September 14, 2010

Mr. William Dean
President/Owner
Nature Coast Pet Cremation
647-2 Overdrive Circle
Hernando, Florida 34442-9602

Dear Mr. Dean:

This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your **Animal Crematory** facility was received on August 12, 2010. We have assigned ARMS No. 0170373-001 to this facility.

As you know, pursuant to Florida Statutes section 403.814, authority to operate under general permits commences thirty (30) days after receipt of the registration form unless you have been notified by this office that your facility has not shown entitlement to operate pursuant to the rule provisions.

For your information, authority to operate pursuant to Rule 62-210.310 expires after five (5) years. Therefore, a new registration form must be received no later than five (5) years after the date your notice was received as indicated above. If your general permit rule conditions require testing, such testing must be completed within the time frame specified in the rule.

If you have any additional questions, please contact Dickson Dibble at 850/921-9586.

Sincerely,


Sandra F. Veazey, Chief
Bureau of Air Monitoring
and Mobile Sources

SFV/pg

RECEIVED

AUG 13 2010

ANIMAL CREMATORY
AIR GENERAL PERMIT REGISTRATION FORM

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
 Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
 Continue operating the facility after a change of ownership.
 Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

0170373-001

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
 No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

William Dean / Nature Coast Pet Cremation

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 647-2 Overdrive Circle

City: Hernando

County: Citrus

Zip Code: 34442-9602

Facility Start-Up Date (Estimated start-up date of proposed new facility.) (N/A for existing facilities)

Sept. 20, 2010

Design Calculations

If this is an initial registration for a proposed new animal crematory unit, provide design calculations 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 F.

- Manufacturer's design calculations attached.
- Registration is not for proposed new animal crematory unit(s).

Description of Facility

Below, or as an attachment to this form, provide a description of all crematory operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

Nature Coast Pet Crematorium has purchased a Bth cremation unit, BLP 500 Pet Cremation unit which has a burn rate of 150 lbs. per hour.

8/18/10 - 10:25 AM

Called W. DEAN, LEFT VM
MESSAGE RE: ?

- 1) PRIMARY / SECONDARY CHAMBERS
- 2) OPACITY MONITOR
- 3) TEMP MONITOR / RECORDER

R.



^{Cremation}
Systems, Inc.

7205 - 114th Avenue North • Largo, Florida 33773
1-800-622-5411 • 727-541-4666 • Facsimile 727-547-0669
e-mail: blcremsys@aol.com • www.blcremationsystems.com

PROCESS DESCRIPTION

This project consists of the construction of one new cremation retort. This crematorium will consist of one B & L Systems Model BLP 500/150 Animal Cremator. The cremation unit will be fired on propane.

Deceased animal remains are manually placed into the primary chamber of the cremator. The door of the cremator is then closed. After a preheat of the afterburning chambers by the auxiliary burner, initial and supplementary combustion is provided by propane fired burner located in the primary chamber of the cremator. Once material combustion is initiated, the rate of the combustion is controlled by limiting both the combustion air and fuel supplied to the primary chamber through the primary burner. This process generates a highly combustible gas mixture that flows into a secondary chamber where more air is admitted to insure further oxidation of the gases. The auxiliary burner is installed in the secondary chamber of the cremator to facilitate complete combustion of all gaseous materials entering this chamber.

Once the cremation process is complete, the remains are removed from the primary chamber of the cremator. These remains are placed in urns and returned to the family for interment or disposal.

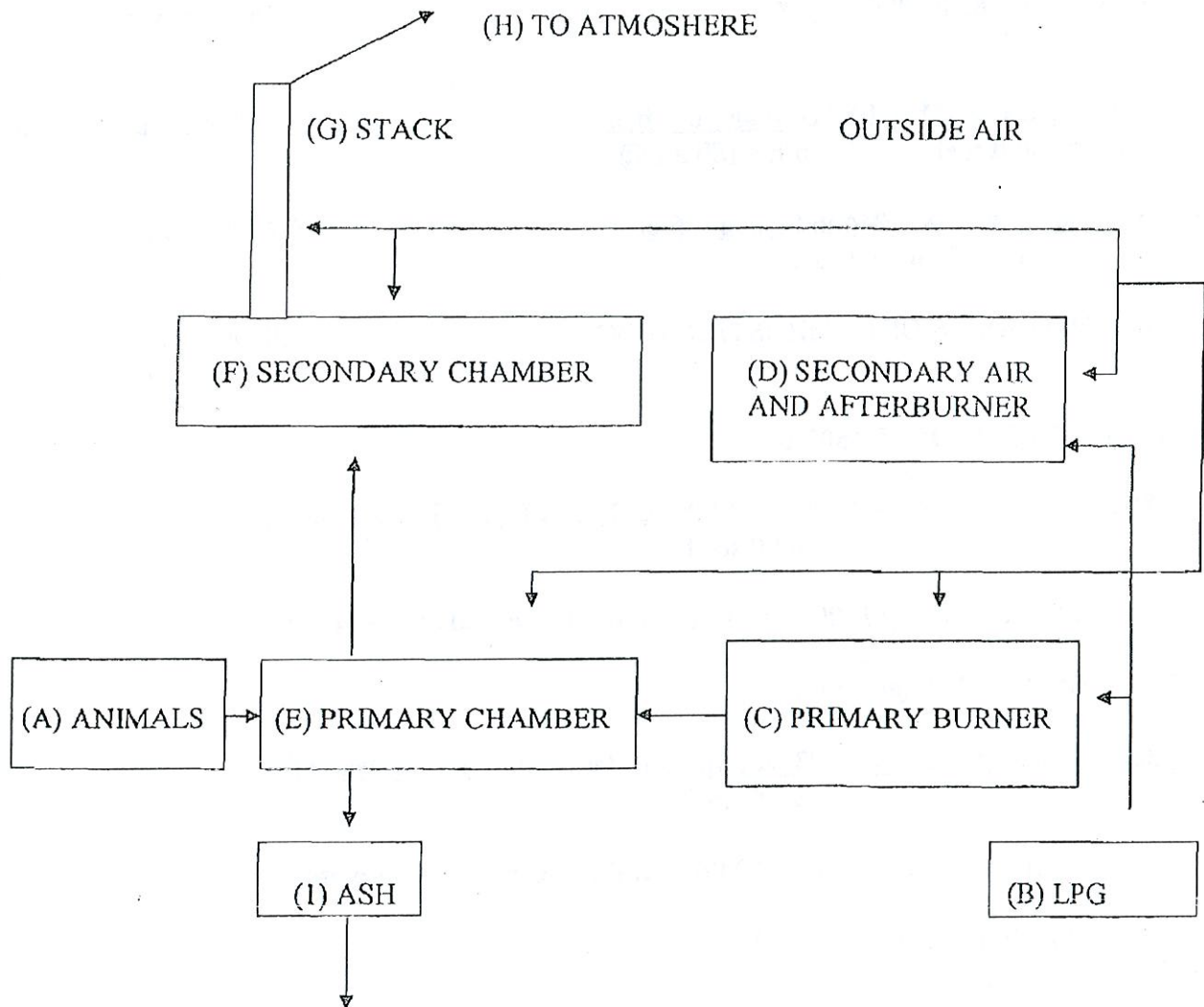
World's Largest Independent Cremation Equipment Manufacturer



Bl Cremation
Systems, Inc.

7205 - 114th Avenue North • Largo, Florida 33773
1-800-622-5411 • 727-541-4666 • Facsimile 727-547-0669
e-mail: blcremsys@aol.com • www.blcremationsystems.com

PROCESS FLOW DIAGRAM

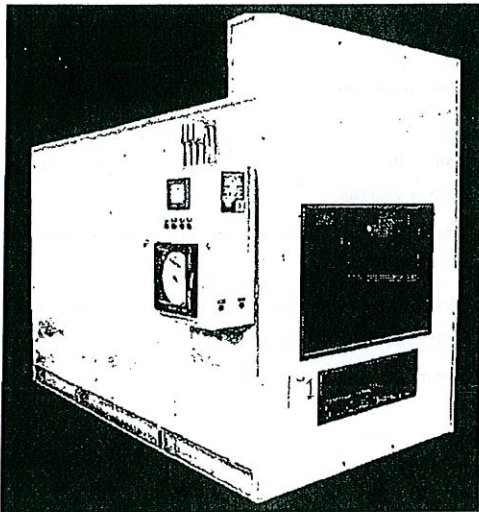


World's Largest Independent Cremation Equipment Manufacturer

Installation 

Home	Human Crematories	Pet Crematories	Incinerators	Clients	Other
------	-------------------	-----------------	--------------	---------	-------

BLP 500 Pet Crematory



The B&L Cremation Systems, Inc. BLP 500 pet & animal crematory is designed for medium Veterinary facilities, For individual cremation or a maximum load size of 500 lbs.

[Download Installation Manual](#)

Specification	U.S Standard	Metric System
Length:	132"	3.5m
Width:	66" (76" With Control Panel)	1.6m (1.9m With Control panel)
Height:	96" (101" With Doorcap)	2.4m (100" With Doorcap)
Weight:	19,000 lbs.	9,071 Kg
Door Opening:		
Gas Pressure:	Natural Gas 7" W.C. Propane Gas 11" W.C.	Natural Gas 1.7 kPa W.C. Propane 2.7 kPa W.C.
Power Requirements:	220V, Single Phase, 60 Cycle, 30 AMPS & 110V, Single Phase 60 Cycle, 10 AMP	
Cremation Rate:	150 lbs/hour	68 Kg/hour
Body Weight Capability:	500 lbs	226 Kg
Stack Height From Grade:	Minimum 18'	5.4m
Stack Sections:	24" O.D	0.6m O.D



Cremation Systems, Inc.

Installation Manual

for

BLP-500/150

Animal Cremation Retort

Please Read Carefully Before Installing.

Any Questions, Please Call!

Failure to Install Properly may VOID Your Warranty.

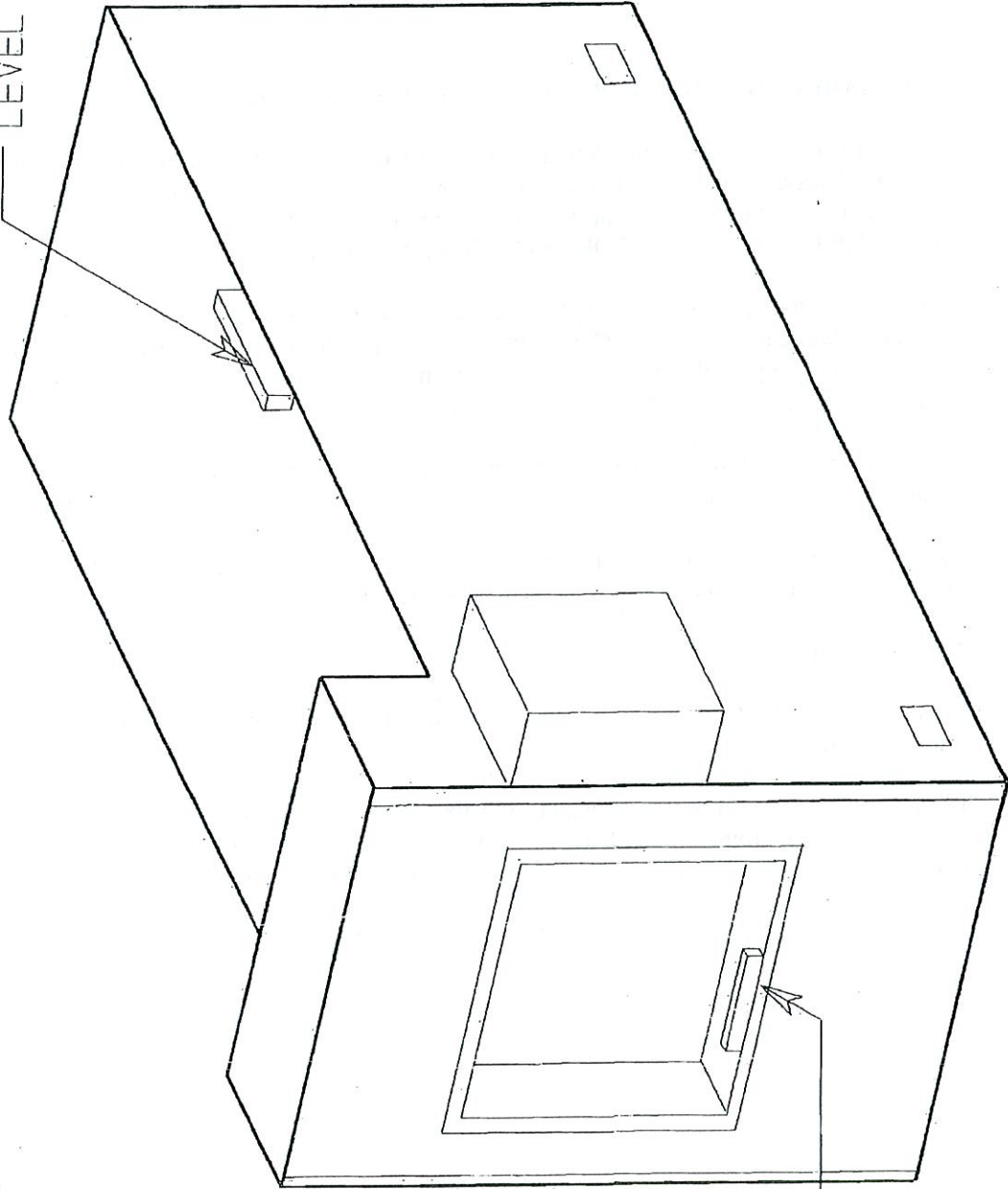
NOTICE:

Specifications are subject to change without prior notice.
Please check with the factory on your specific order.

7205 - 114th Avenue North • Largo, Florida 33773
1-800-622-5411 • 727-541-4666 • Facsimile 727-547-0669
e-mail: sales@blcremationsystems.com • www.blcremationsystems.com

DRAWING #2

LEVEL CHECK



LEVEL CHECK

The retort will be shipped on a flat bed trailer complete with two 5' sections of lined stack. Additional stack may be included if required for your installation. The retort has been packaged prior to shipment. **DO NOT REMOVE PACKING UNTIL THE UNIT IS IN PLACE.**

SHIPPING INFORMATION
BLP-500/150

RETORT

Height	8' - 0" (8' - 5" with door cap)
Width	5' - 6" (6' - 4" with control panel)
Length	11' - 0"
Weight	19,000 lbs.

STACK SECTIONS

Height	5' 0" (each section)
Width	24" O.D.
Weight	575 lbs. (each section)

ELECTRICAL SPECIFICATION SHEET

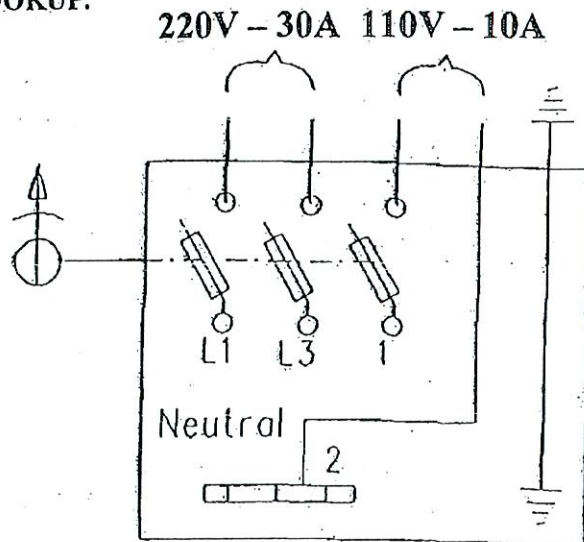
The BLP-500/150 retort requires the following electrical service:

220 Volts Single Phase 110 Volts Single Phase
60 Cycle, 30 AMP Service & 60 Cycle, 10 AMP Service

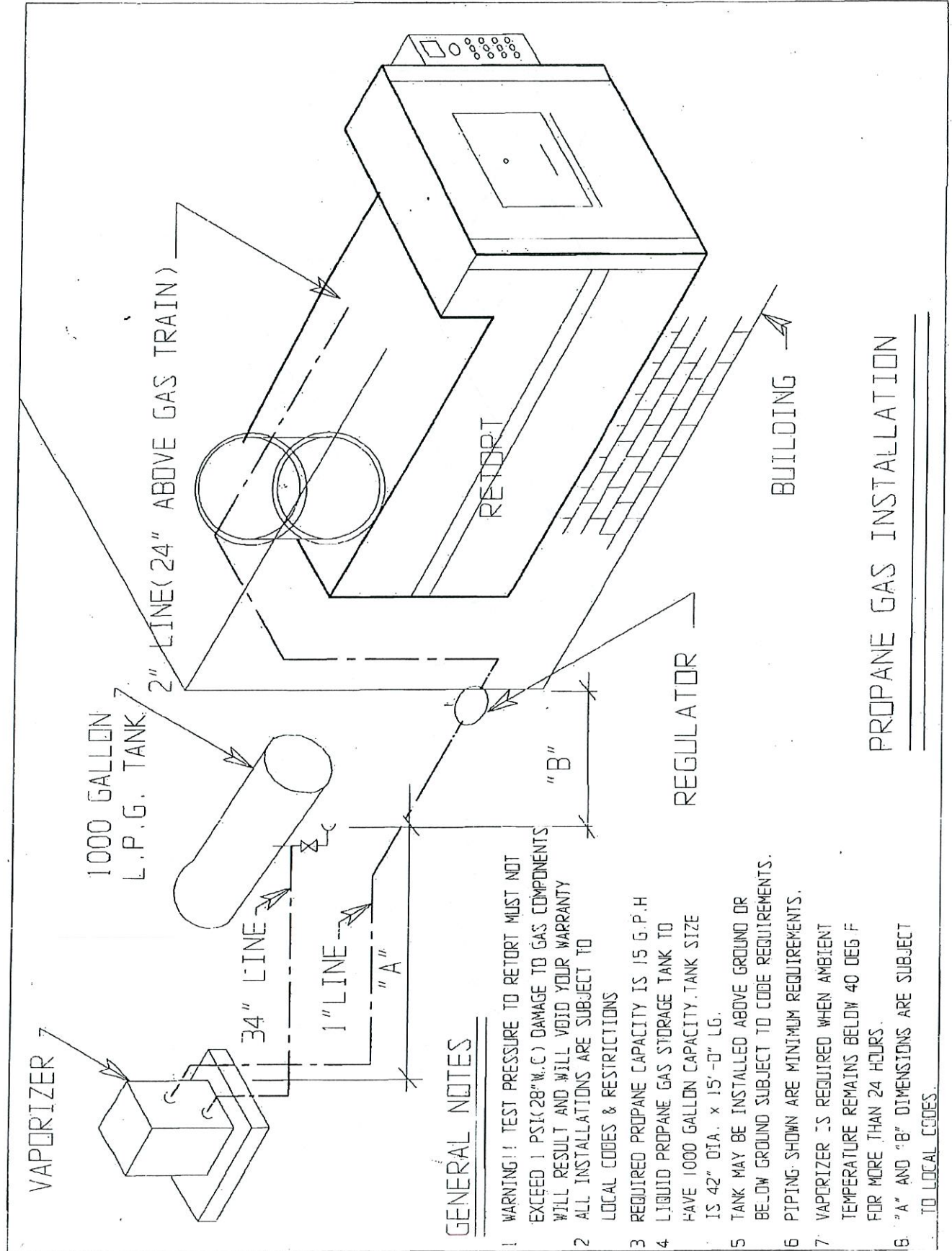
Remove packing from retort and open door to disconnect box on side of control cabinet and proceed as follows:

- (1) Connect 220V single phase to lugs at top of fuse block in disconnect (30 AMP service)
- (2) Connect 110V Hot to lug of fuseblock in disconnect (10 AMP)
- (3) Connect neutral to neutral busbar in disconnect (White)
- (4) Connect ground to ground lug in disconnect (Green)
- (5) All wiring must be suitable for 30 AMP service as specified by N.E.C. Standards and/or local codes, whichever is applicable.

DO NOT ATTEMPT TO OPERATE THE RETORT AFTER COMPLETING THE ELECTRICAL HOOKUP.



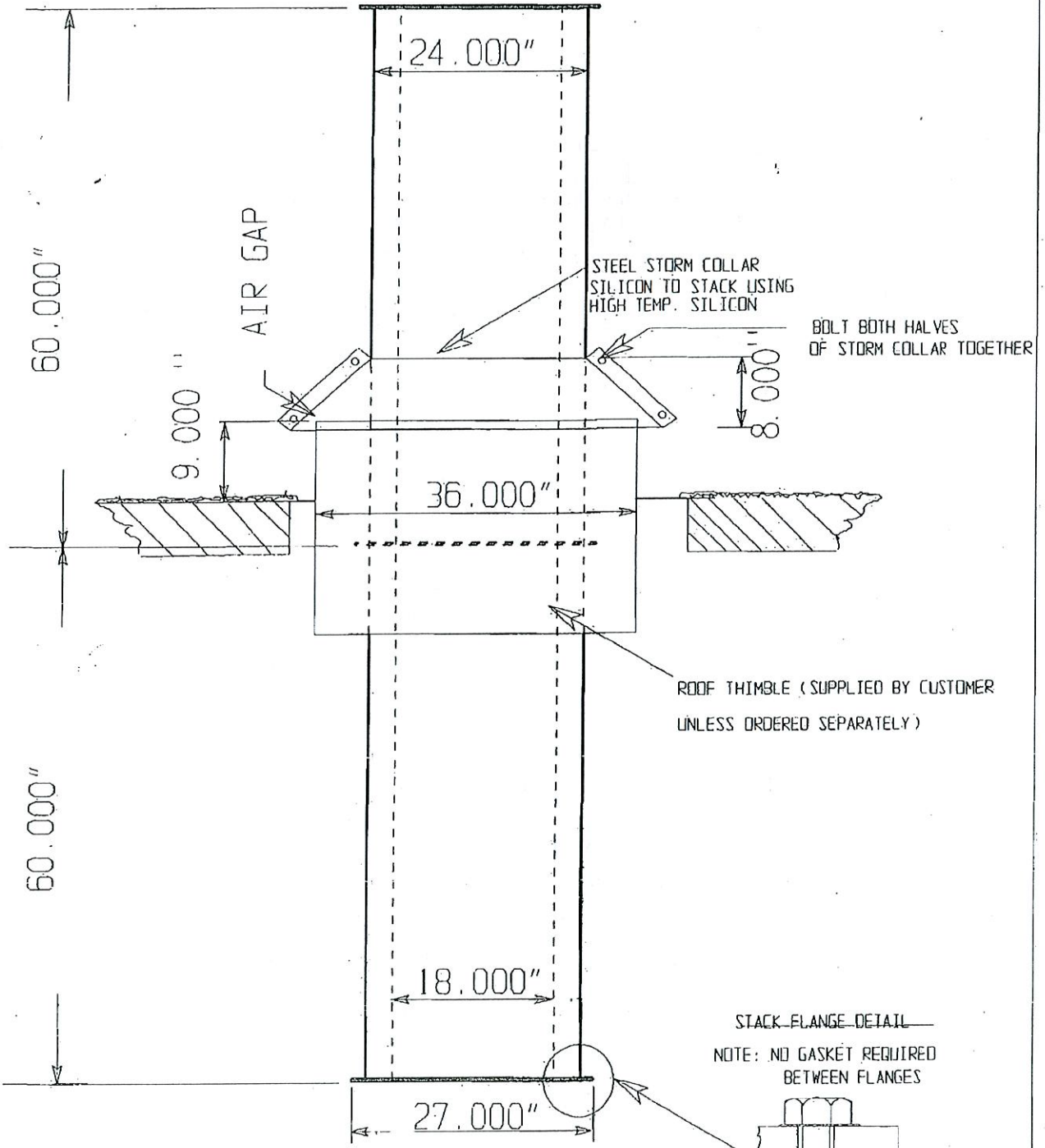
NOTE: A PRIME GROUND MUST BE RUN TO UNIT.



GENERAL NOTES

- 1 WARNING!! TEST PRESSURE TO RETORT MUST NOT EXCEED 1 PSI(28"W.C) DAMAGE TO GAS COMPONENTS WILL RESULT AND WILL VOID YOUR WARRANTY
- 2 ALL INSTALLATIONS ARE SUBJECT TO LOCAL CODES & RESTRICTIONS
- 3 REQUIRED PROPANE CAPACITY IS 15 G.P.H
- 4 LIQUID PROPANE GAS STORAGE TANK TO HAVE 1000 GALLON CAPACITY. TANK SIZE IS 42" DIA. x 15'-0" LG.
- 5 TANK MAY BE INSTALLED ABOVE GROUND OR BELOW GROUND SUBJECT TO CODE REQUIREMENTS.
- 6 PIPING SHOWN ARE MINIMUM REQUIREMENTS.
- 7 VAPORIZER IS REQUIRED WHEN AMBIENT TEMPERATURE REMAINS BELOW 40 DEG F FOR MORE THAN 24 HOURS.
- 8 "A" AND "B" DIMENSIONS ARE SUBJECT TO LOCAL CODES.

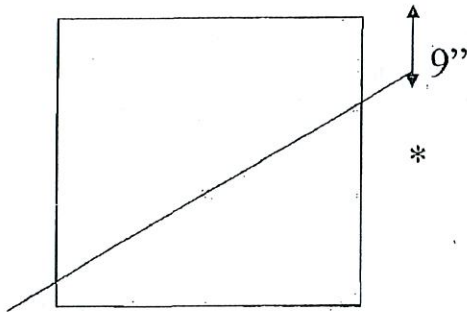
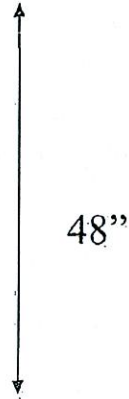
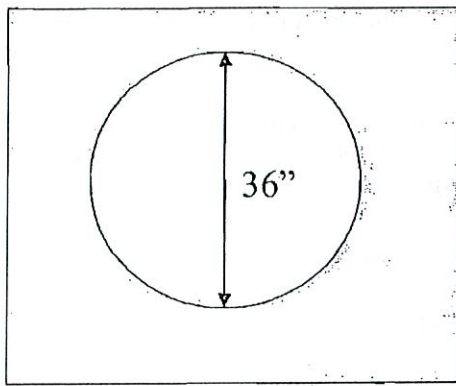
PROPANE GAS INSTALLATION



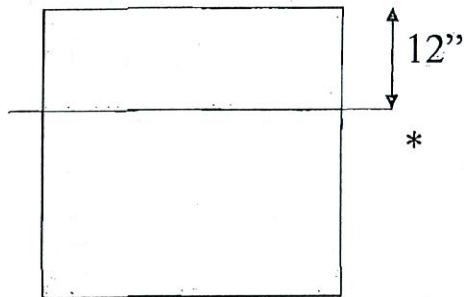
STACK AND ROOF DETAILS

Drawing #7

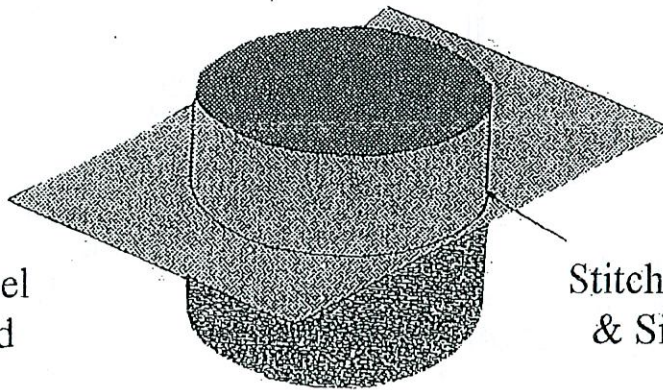
ROOF THIMBLE DETAIL FOR STANDARD 24" STACK



Pitched



Flat



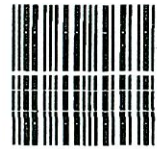
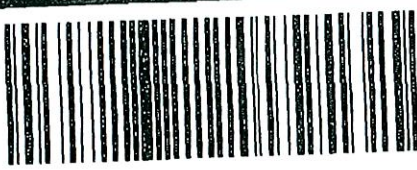
16 Ga. Steel
Galvanized

Stitch Welded
& Siliconed

24" * = To Be Determined By Roof Thickness

OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL™



1000

32315

U.S. POSTAGE
PAID
DUNNELLON, FL
34432
AUG 11, 10
AMOUNT


\$6.32
00036251-13

7010 0290 0001 1837 1617

From: William Dean
5291 W. Disney Lane
Dunnellon, FL 34433

FIRST CLASS MAIL

**RETURN RECEIPT
REQUESTED SHOWING ADDRESS
WHERE DELIVERED**

To: 
FDEP Receipts
P.O. Box 3070
Tallahassee, FL 32315-3070

t.

Eric Dean,

Each B&L cremation retort chart recorder is factory adjusted with a pre-calibrated thermocouple simulator. It is then ran at temperatures of 932 and 1832 degrees F for 15 minutes each. Also B&L repeats this procedure every year as part of our annual maintence. I will include some of the calibration paperwork we use for the initial setup of the recorder.

Patrick,

B&L service technician.

Chapter 4 Calibration - Ink Type Only

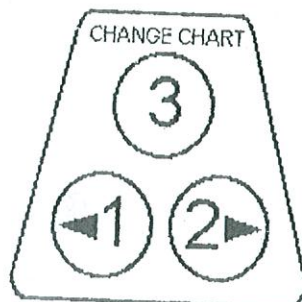
4-1 Pen Arm Calibration (Zero and Span)

Pen calibration applies to ink type units only and is a two point calibration. Since Thermal stylus unit print their own outer/inner ring, calibration is not necessary. To check and/or adjust the recording pen(s) calibration to the inner and outer graduations of the chart on ink type units, Perform the following.

1. Remove power to instrument. If unit has battery option also remove battery.
2. With all power removed, press and hold the CHANGE CHART key (3). While holding the CHANGE CHART key(3), re-apply power. Release key upon applying power, either AC or battery which ever is convenient.
3. The pen(s) will move off scale, LED will flash rapidly. Green LED will then go to on steady. If 1 pen ink unit go to step 5 next.
4. The blue pen will then move to 100% ring. Adjust blue pen, if necessary, using LEFT (1) and RIGHT (2) keys to position pen on 100% ring, then Wait.
5. Red pen will then move to 100% ring. Adjust this pen, if necessary, to 100% ring, using LEFT (1) and RIGHT (2) keys, then wait.
6. Red pen will then move to 0% ring. Adjust pen using LEFT (1) and RIGHT (2) keys, then wait. Pen will then move full upscale. If 1 pen unit go to step 8.
7. Blue pen will move to 0% ring. Adjust pen to 0%, using LEFT (1) and RIGHT (2) keys, then wait. Blue pen will now travel full upscale.
8. Pen(s) calibration is now complete.

Pen(s) will then go directly to actual recording values.

Each time the chart paper or fiber tip pen cartridge is changed, you should make sure that each pen stops at the outer most temperature graduation of the chart paper. If ink pens do not accurately stop at outer graduation recording error can occur and recorder's calibration should be reviewed.



4-

This
any
Thei

1.

2.

3.

4.

NOTE



Cremation
Systems, Inc.

7205 - 114th Avenue North • Largo, Florida 33773
1-800-622-5411 • 727-541-4666 • Facsimile 727-547-0669
e-mail: blcremsys@aol.com • www.blcremationsystems.com

START-UP ORDER **TRAINING**

Job number	<u>SU 1327</u>	Customer	_____
Date Ordered	<u>1/8/10</u>		
Technician	<u>Ben Chantz</u>	Ac	<u>Natures Coast Pet Cremations</u>
Date Started	<u>11-15-10</u>		<u>Mr. Eric Dean @TampaBay, FL, com</u>
Date Finished	<u>11-17-10</u>		<u>647 Overdrive Circle Unit 2</u>
Shop Time Out	_____		<u>Hernando, FL 34442</u>
Job Time In	<u>1150 0800 0800</u>		<u>Ph: 352-586-8123</u>
Job Time Out	<u>1750 1700 1600</u>		Ph: 352-586-8123
Shop Time In	_____	Contact	_____

Model # BLP-500
 Serial # 1327-1110-10
 Model # _____
 Serial # _____

Manual Received Yes ___ No ___

Extra Copies Yes ___ No ___

Email
*Please ~~SEE~~ START UP CHECKLIST

Personnel Trained

WILLIAM E. DEAN
William E. Dean

Bringing back new 199 base for Repair, Tripping Breaker

Parts Needed _____

Parts Ordered ① 18" complete T/couple
① I31-2

The above described work has been completed to my satisfaction.

X [Signature]
Customer's Authorized Signature

X 11-17-10
Date

Panetta, Joe

From: Microsoft Exchange
To: 'LDean@tampabay.rr.com'
Sent: Wednesday, August 25, 2010 3:56 PM
Subject: Relayed: 0170373-001-AG

Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:

'LDean@tampabay.rr.com'

Subject: 0170373-001-AG

Sent by Microsoft Exchange Server 2007

Panetta, Joe

From: Panetta, Joe
Sent: Wednesday, August 25, 2010 3:56 PM
To: 'LDean@tampabay.rr.com'
Subject: 0170373-001-AG
Attachments: image001.gif; SBEAP_HOTLINE_ASSISTANCE_DIRECTORY_2006.doc;
Animal_CREMATORY_HIGHLIGHTED_RULE.doc; Maintenance Checklist Example.pdf;
SBEAP .pdf; PolyVinyl MSDS Example.pdf; NONT5animalcrematoryWKBOOK(R).doc;
Consultants PDF List.pdf

Hi Mr. Dean,

It was a pleasure speaking with you yesterday afternoon. Attached you will find the information I said I would send.

Attached is a list of consultants. Per our conversation visible emissions test is due within 30 days of commencing operation.

I have attached a copy of the Animal Crematory Rule that I highlighted. All of the rule is important please read it and become familiar with all of the rule.

Please contact me if you need further information

"This staff assessment is preliminary and is designed to assist in the review of the information provided prior to final agency action. The comments provided herein are not the final position of the department and may be subject to revision pursuant to additional information and further review".

Joseph V. Panetta

Air Program Compliance

Florida Department of Environmental Protection

Southwest District

13051 North Telecom Pkwy.

Temple Terrace, Fl 33637-0926

Joe.Panetta@dep.state.fl.us

(813) 632-7600 ext 105

Fax: (813) 632-7668