

Florida Department of Environmental Protection

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

Jeff Kottkamp Lt. Governor

Michael W. Sole Secretary

October 30, 2008*

Mr. Kenneth J. Clymer Clymer Cremations & Funeral Home, Incorporated Marvin's Garden 4601 East Highway 100, Suite A2 Bunnell, Florida 32110

Dear Mr. Clymer:

This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on September 23, 2008. We have assigned ARMS No. <u>0350024-001</u> 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

cc: Mr. Rick Banks, Northeast District

RECEIVED

HUMAN CREMATORY AIR GENERAL PERMIT REGISTRATION FORM

SEP 23 2008

Part II. Notification to Permitting Office

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

NORTHEAST DISTRICT DEP-JACKSONVILLE

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 Registration Type

O350024-00

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? roan an air operation permit to an air general permit). 62-4.050(4)(o), F.A.C. (\$100 as of the effective date of this form) Registration Type Check one: **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. 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.) ENDOTH ClyMER / CLYMER CREMATIONS & FUNERAL HOME INC. 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.) MARVID'S GARDEN Facility Location (Provide the physical location of the facility, not necessarily the mailing address.) Street Address: 460/ EAST Highway 100 City: Discounty: City: BUNDEIL Facility Start-Up Date (Estimated start-up date of proposed new facility.) (N/A for existing facility)

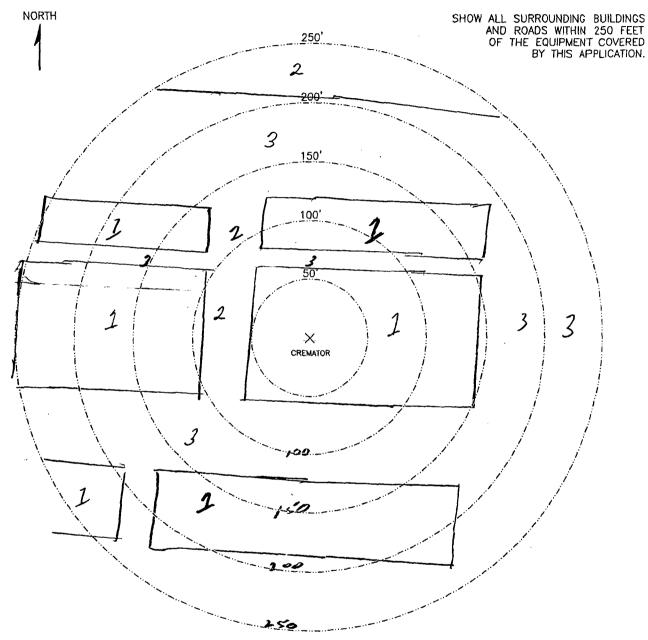
DEP Form No. 62-210.920(2)(c) Effective: January 10, 2007

	Owner/Authorized Representative					
١	Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this					
	air general permit.)					
	Print Name and Title: / J.					
,	KENNETT J. CLYMER OUNGE					
	Owner/Authorized Representative Mailing Address					
	Organization/Firm: C/YMER FUNERAL Home Street Address: 4601 & HWY 100 StEA - 2					
	Street Address: 4601 & HWY 100 STEM-2					
	City: Bund 11 County: Flagler Zip Code: 32110					
٠	Owner/Authorized Representative Telephone Numbers					
	Telephone: 386 586 7575 Fax: 386 586 0390 Cell phone (optional):					
	Facility Contact (If different from Owner/Authorized Representative)					
	Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)					
	Print Name and Title: KENNETH ClyMER PRES. Facility Contact Mailing Address Facility Contact Mailing Address Figure 19 19 19 19 19 19 19 19 19 19 19 19 19					
	Facility Contact Mailing Address					
ı	Organization/Firm: Clymen FUNERAL TONERAL TONE					
1	Street Address: 4601 E. Highway 100 STO M-2					
	Facility Contact Mailing Address Organization/Firm: Clymer Funeral Home Street Address: 4601 E. Highway 100 STA A-2 City: Bunder! County: Zip Code: 32/10					
	Facility Contact Telephone Numbers					
	Telephone: 386-586-7575 Fax: 386 586 0390 Cell phone (optional):					
Į	Owner/Authorized Depresentative Statement					
ſ	Owner/Authorized Representative Statement This statement must be signed and dated by the person named above as owner or authorized representative					
	I, the undersigned, am the owner or authorized representative of the owner or operator of the facility					
	addressed in this Air General Permit Registration Form. I hereby certify, based on information and					
	belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for					
	use of this air general permit and that the statements made in this registration form are true, accurate					
l	and complete. Further, I agree to operate and maintain the facility described in this registration form so					
	as to comply with all applicable standards for control of air pollutant emissions found in the statutes of					
	the State of Florida and rules of the Department of Environmental Protection and revisions thereof.					
I will promptly notify the Department of any changes to the information contained in this registratio						
	form.					
	Signature Date					
I	Signature					

DEP Form No. 62-210.920(2)(c) Effective: January 10, 2007

Design Calculations							
If this is an initial registration for a proposed new human 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 human 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. See attached process flow diagram.							

PLOT PLAN



INSTRUCTIONS

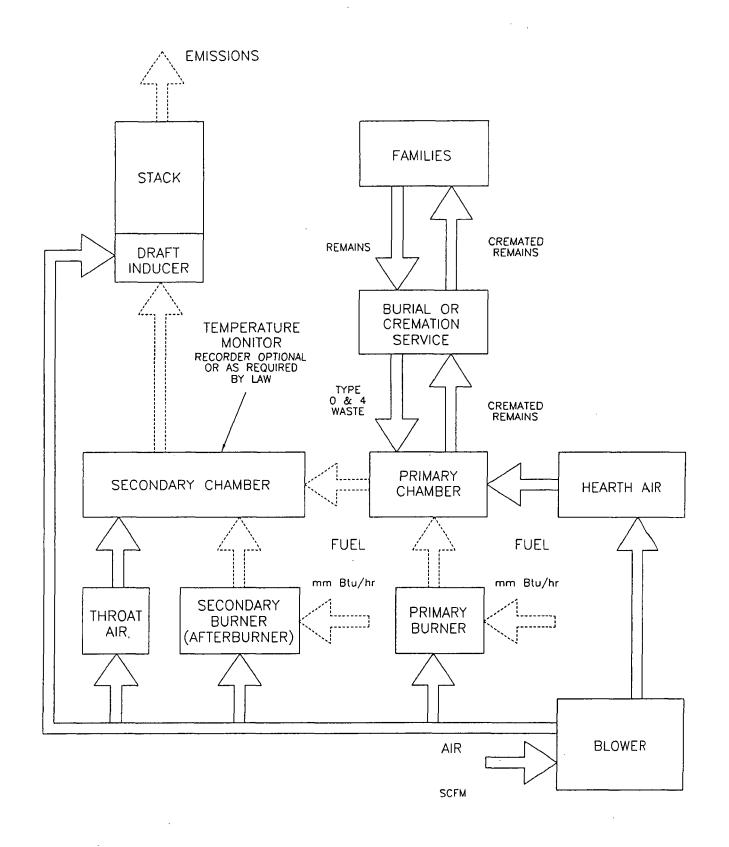
- INDICATE LOCATION AND TYPE OF BUILDING BY THE USE OF SMALL NUMBERED CIRCLES WITH THE DESCRIPTION BELOW.
- SHOW ROADS AS LINES REPRESENTING THE ROAD EDGES. INDICATE STREET NAMES AND HIGHWAY NUMBERS.
- SHOW WOODED OR CLEARED AREA BY APPROXIMATE BOUNDARY LINES AND THE WORDS "WOODS," "CLEARED," "CORNFIELD," ETC.

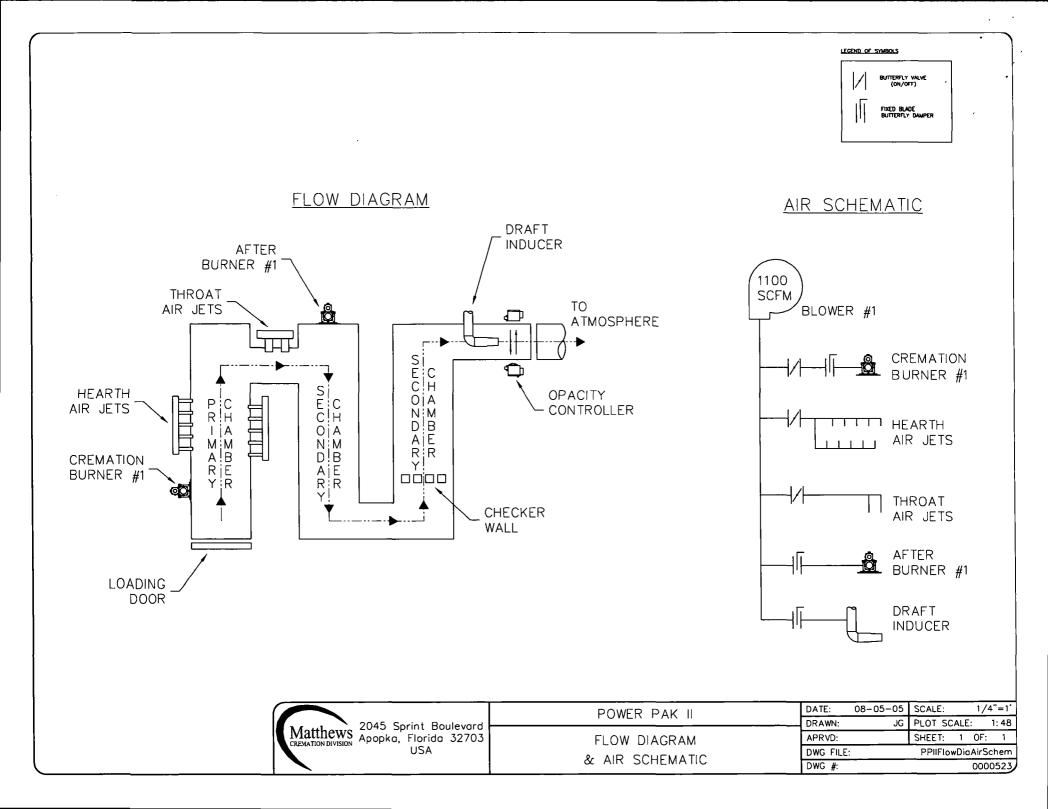
DESCRIPTION STRUCTURE

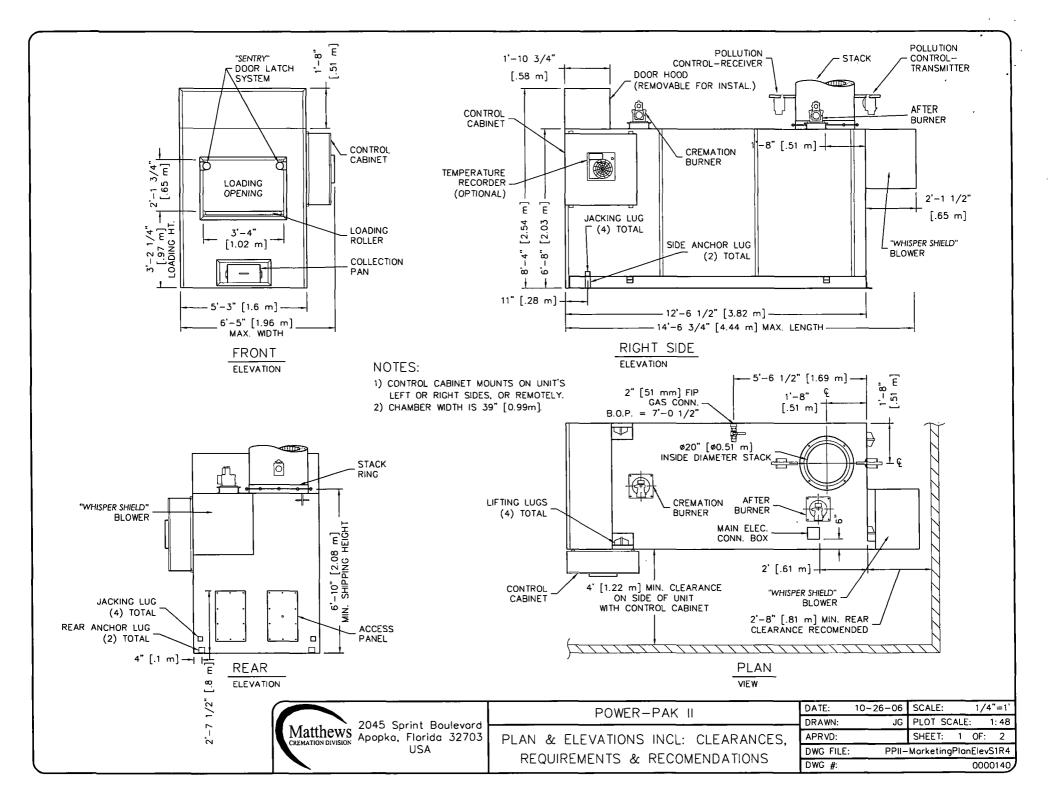
- (1) I Story MASONARY Building (2) GRASS AREA (3) DRIVE WAY CONCRETE

- (5) (6)
- (7)
- (8)
- (9) (10)

PROCESS FLOW DIAGRAM CREMATOR







CREMATOR CLEARANCES RECOMMENDED MINIMUM TOP. (2) 2 FEET [610 mm] 6 INCHES [152 mm]

6 INCHES [152 mm]

[1.22 m]

[610 mm]

[2.74 m]

[0.91 m]

1. FOR CLEARANCES OTHER THAN THOSE SHOWN, OR FOR

SPECIAL REQUIREMENTS, CONSULT YOUR MCD REP.

3. CONTROL CABINET MOUNTS ON UNIT'S LEFT OR RIGHT

4 FEET

8 FEET

[1.22 m]

[2.44 m]

6 INCHES [152 mm]

32 INCHES [812 mm]

6 INCHES [152 mm]

CABINET SIDE: 4 FEET

OTHER SIDE: 2 FEET

9 FEET

3 FEET

(2.) FROM HIGHEST POINT ON UNIT.

FRONT:

REAR:

STACK:

CREMATOR REQUIREMENTS

FUEL: A PRESSURE REGULATOR ADJUSTABLE

TO 7" [178 mm] W.C. FOR NATURAL GAS, OR 11" [279 mm] W.C. FOR LP GAS.

CAPACITY: RANGES FROM 2.0 TO 3.0 MILLION BTU/HR [2.1 TO 3.1 MILLION KILOJOULES/HR] DEPENDING UPON AMOUNT OF BURNERS.

ELECTRICAL: 230 VOLT, 3ø, (40A BREAKER) AND 115v (10A BREAKER), OR 230 VOLT, 1ø, (70A BREAKER) AND 115v (10A BREAKER) 50/60 HERTZ

AIR: LOUVER NEAR THE REAR OF THE UNIT CAPABLE OF PASSING 2.500 CU FT/MIN [70.8 CU M/MIN] OF FREE AIR (36" X

Matthews Apopka, Florida 32703

USA

STACK INSTALLATION INSTRUCTIONS

- 1. APPLY A 1/2" THICK MORTAR JOINT TO EXPOSED REFRACTORY SURFACE_IN STACK RING. LOWER THE BASE STACK SECTION (B) ONTO STACK RING (A) AND FASTEN WITH HARDWARE PROVIDED (NO MORE THAN (2) STACK SECTIONS SHALL BE LIFTED TOGETHER). REPEAT PROCESS FOR REMAINING STACK SECTIONS. IF SECTIONS OF VARYING LENGTHS ARE SUPPLIED. ASSEMBLE AS TO AVOID . FLANGES & LIFTING EYES INTERFERING WITH RAIN COLLAR LOCATION.
- 2. INSTALL STORM COLLAR ON STACK, 3" [76 mm] ABOVE NON-COMBUSTIBLE LINER (FLASHING), ALLOWING FOR PROPER VENTILATION (SEE DETAIL).
- 3. APPLY A 1/4" [6 mm] BEAD OF HIGH-TEMPERATURE SILICON SEALANT (PROVIDED BY MCD) TO THE JOINT BETWEEN THE STORM COLLAR (C) AND THE STACK (B).

APRVD:

DWG #:

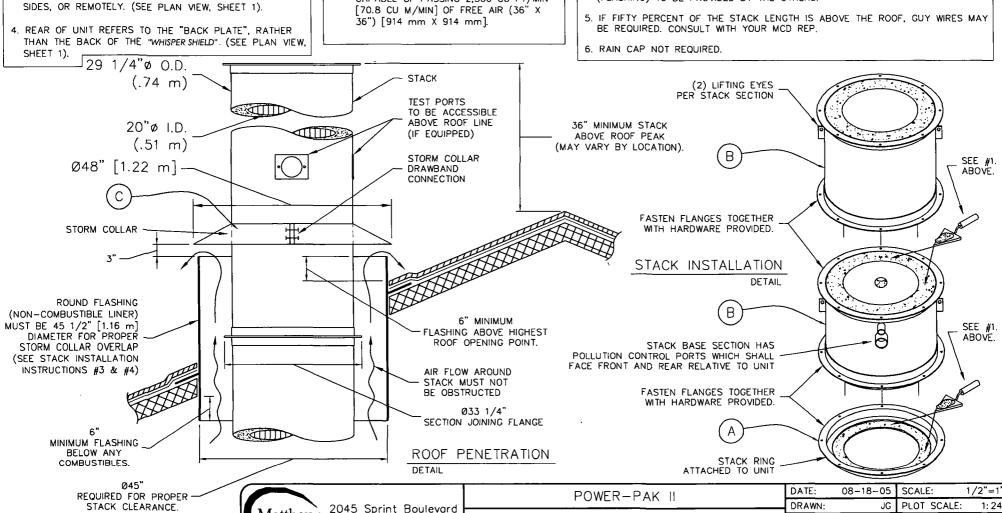
DWG FILE:

SHEET: 2 OF: 2

0000140

PPII-MarketingStackRefS2R2

4. STORM COLLAR IS FURNISHED BY MCD. THE NON-COMBUSTIBLE LINER (FLASHING) TO BE PROVIDED BY THE OTHERS.



STACK DETAILS, CLEARANCES &

INSTALLATION INSTRUCTIONS.

REFRACTORY STACK DETAIL

SPECIFICATIONS- Model Power-Pak II

•		
1	Equipment Type A. Model No. B. Underwriters Laboratories Listing and File No.	IE43-PPII
2	Dimensions A. Footprint B. Maximum Length C. Maximum Width D. Maximum Height E. Chamber Loading Opening	14' - 6½" (4.43 m) 6' -5" (1.96 m) 8' - 4" (2.54 m)
3	. Weight	24,000 lbs. (11,000 kg)
4	. Utility/Air Requirements A. Gross Gas Input, Natural or LP Gas	2,500,000 BTU/hr. (2,600,000 kJ/h) if equipped with preheat burner 7 inches (180 mm) water column or greater 11 inches (280 mm) water column or greater 230 volt, 3Ø or 1Ø, 50/60 hz (other available)
5	Incineration Capacity	150 lbs./hr. (68 kg/h)
6	. Typical Loading Capacity of Waste Types	750 lbs. (340 kg/h)
7	Construction and Safety Standards	Incineration Institute of America, Underwriters Laboratories, Canadian Standards Association
8	Steel Structure Construction A. Frame B. Front/Rear Plates C. Floor Plates D. Outer Side Casing E. Inner Side Casing	3/8" (10 mm) plate 3/16" (5 mm) plate 12 gauge (3 mm) plate
9	Stack Construction A. Inner Wall B. Outer Wall	
10	Draft Nozzle Construction	Schedule 40 type 316 s.s. pipe, welded connections
11	Main Chamber Door Construction A. Steel Shell B. Outer Refractory C. Inner Refractory	3/16" (5 mm) steel, welded with reinforcement 1" (25 mm) insulating block
12	Primary Chamber Wall Construction A. Outer Casing Wall B. Inner Frame/Air Compartment C. Inner Casing Wall	. 2" (51 mm) air compartment

SPECIFICATIONS- Model Power-Pak II

	D. Outer Refractory Wall	
13.	Secondary Chamber Wall Construction A. Outer Casing Wall B. Inner Frame/Air Compartment C. Inner Casing Wall D. Outer Refractory Wall E. Inner Refractory Wall	2" (51 mm) air compartment 12 gauge (3 mm) sheet 6" (150 mm) insulating block
14.	Refractory Temperature Ratings A. Standard Firebrick B. Insulating Firebrick C. Castable Refractory (Hearth) D. Castable Refractory E. Insulating Block F. Bonding Mortar	2,600° F. (1430° C) 2,550° F. (1370° C) 2,550° F. (1370° C) 1,900° F. (1040° C)
15.	Chamber Volumes (not including external flues, stacks or chimneys) A. Primary Chamber B. Secondary Chamber	
16.	Emission Control Features A. Secondary Chamber with Afterburner B. Opacity Monitor and Controller with Visual and Audible Alarms C. Auxiliary Air Control System D. Microprocessor Temperature Control System	Included Included
17.	Operating Temperatures A. Primary Chamber B. Secondary Chamber	
18.	Secondary Chamber Retention Time	> 1 second
	Ash Removal	Door functions as a heat shield. Sweep out beneath front door into hopper that fills collection pan.
20.	Safety Interlocks A. High Gas Pressure B. Low Gas Pressure C. Blower Air Pressure D. Door Position E. Opacity F. Motor Starter Function G. Chamber Temperature H. Motor Overload I. Flame Quality J. Burner Safe Start	Optional Included
22.	· · · · · · · · · · · · · · · · · · ·	The nozzle mix burners used on this cremation

equipment are industrial quality and designed

SPECIFICATIONS- Model Power-Pak II

for incinerator use.

3

23.	Ultraviolet Flame Detection	Ultraviolet flame detection has proven to be the most reliable means of flame safety. The system is completely sealed in a quartz capsule to eliminate problems, caused by moisture and dust created in the cremation process, which effect flame rod detectors.
24.	Operating Panel Indicating Lights A. Safe Run. B. Door Closed. C. Pollution Alarm. D. Afterburner On (Secondary Burner) E. Cremation Burner On. F. Low Fire Cremation Burner On G. Afterburner (Secondary Burner) Reset H. Cremation Burner Reset I. Hearth Air J. Throat Air Off	Included
25.	Automatic Timer Functions A. Master Cycle B. Afterburner (Secondary Burner) C. Cremation Burner D. Low Fire Cremation Burner E. Hearth Air F. Throat Air G. Pollution Monitoring H. Afterburner (Secondary Burner) Prepurge I. Cremation Burner Prepurge J. Cool Down	Included
26.	Exterior Finish A. Primer	
27.	Start-Up and Training	Startup of cremation equipment and training of operators to properly operate and maintain the equipment is performed on-site under actual operating conditions. Included is a comprehensive owner's manual, with details on the equipment, its components and proper operation.
28.	Environmental Submittals	Complete technical portion of state environmental permits. Engineering calculations, technical data, existing stack test results and equipment blueprints provided.

EMISSIONS TESTING REPORT

PERMIT NO. 0950126-005-AG

IE43-PPII, POWER-PAK II CREMATOR

PREPARED FOR:

BALDWIN FAIRCHILD

ORLANDO, FLORIDA MAY 5, 2005

PREPARED BY:

ATC



AIR TESTING & CONSULTING, INC.

333 FALKENBURG ROAD, SUITE B-214 TAMPA, FLORIDA 33619

ATC



AIR TESTING & CONSULTING, INC.

333 FALKENBURG ROAD, SUITE B-214 TAMPA, FLORIDA 33619

To the best of my knowledge, all field and analytical procedures comply with Florida Department of Environmental Protection requirements and all test data and plant operating data are true and correct.

Date

1.0 INTRODUCTION

On May 5, 2005, Air Testing & Consulting, Inc., conducted the following tests on Baldwin Fairchild's Human Crematory Incinerator located at 301 N. Ivanhoe Blvd. in Orlando, Florida:

- (1) Particulate Emission (EPA Methods 1-5)
- (2) Carbon Monoxide (EPA Method 10)
- (3) Visible Emissions (EPA Method 9)
- (4) Oxygen (EPA Method 3A)

These tests were performed at the request of Mathews Cremation Division to prove compliance on the Power Pak II crematory incinerator. Orange County, Environmental Protection Division, representatives, Gregory Bryant, Ilka Bundy and John Casper audited the test.

2.0 SUMMARY OF RESULTS

The results of the emission testing are presented in the Test Summary. The Particulate emissions averaged 0.0549 grains per dry standard cubic foot (gr/dscf) and CO emissions averaged 2.2 parts per million (ppmv), each corrected to $7\% O_2$. Opacity, highest six-minute average, on the stack, was 0%.

3.0 SUMMARY OF TEST DATA

PLANT : BALDWIN

UNIT : POWER-PACK II

RUN NUMBERS: 1, 2, 3

TEST DATE : 5/5/05	#1	#2	#3	AVERAGES
DATE	5/5/05	5/5/05	5/5/05	
START TIME	10:32	13:05	15:27	
END TIME	11:50	14:09	16:29	
STACK DIAMETER (INCHES)	19.5	19.5	19.5	
NOZZLE DIAMETER (INCHES)	0.550	0.550	0.550	
TEST TIME (MINUTES)	60	60	60	
NUMBER OF TEST POINTS PER RUN	24	24	24	
STACK GAS TEMPERATURE (°F)	850.0	991.8	1128	989.9
STACK GAS MOISTURE (%)	12.51	9.76	6.56	
STACK GAS MOLECULAR WEIGHT	28.50	28.83	29.21	
STACK GAS VOLUME SAMPLED (CUBIC FEET)	34.375	36.840	40.110	37.108
VOLUME SAMPLED (SCF @ 68°F)	34.585	37.020	40.270	37.292
STACK GAS VELOCITY (FEET PER SECOND)	18.14	17.30	19.75	18.39
STACK GAS FLOW RATE (ACFM)	2257.0	2152.2	2457.7	2288.9
STACK GAS FLOW RATE (DSCFM @ 68°F)	801.7	711.5	769.2	760.8
OXYGEN, %	16.0	14.0	14.5	
PARTICULATE CONC (GR/DSCF) @7% O2	0.0359	0.1122	0.0165	0.0549
PARTICULATE MASS RATE (LBS/HOUR)	0.0871	0.3396	0.0500	0.1589
CO CONC @ 7% O ₂ , ppmv	1.42	2.01	3.26	2,23
CO MASS RATE (LBS/HOUR)	0.00175	0.00310	0.00503	0.0033
ISOKINETIC SAMPLING RATE, %I	90.4	109.0	109.7	
FIELD DATA AND SAMPLES UNDER THE CONTROL OF:		TIM CAPEL	LE	
LABORATORY ANALYSIS UNDER THE CONTROL OF:		ATC		

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT SUITE B200, 7825 BAYMEADOWS WAY JACKSONVILLE FLORIDA 32256-7590







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FDEP RECEIPTS P.O. BOX 3070 TALLAHASSEE, FL 32315-3070

Florida Department of Environmental Protection Cash Receiving Application (CRA) Cashlisting by Deposit #: 291175 thru 291175

Printed: 9/30/2008 9:40:28 AM - Page 13

Cashlisting:

71213

Cashlist Area:

3755

Description: DIV OF AIR RESOURCES MGMT.

Deposit No:

291175

Date Deposited: 09/29/2008

Contact: E. WALKER

: 7	Transmittal	Dep DDN 486038		Pre- Numbered Receipt	Name CLYMER CREMATIONS&FUNERAL HO Object Code 002272 Subtotal:	Check Number		Reference Account 035 N 24-00 1 10/10/2008 - UCB	Payment Number 901870	Remittance Number 797450	Fund Grant PFTF Total Control
					-						
002278	50712	486020	638330		CROSS CONSTRUCTION SERVICES, I	8263	\$300.00	50584	901855	797432	APCTF
	50712	486021	638331		LAKESHORE ENVIRO. CONTRACTORS	11942	\$600.00	50652	901856	797433	APCTF
	50712	486022	638332		DEGON	42114	\$200.00	50550	901857	797434	APCTF
	50712	486023	638333		COOPER AND ASSOCIATES	11804	\$200.00	50662	901858	797435	APCTF
	50712	486024	638334		SUNRISE SYSTEMS OF BREVARD, IN	037709	\$100.00	50571	901859	797436	APCTF
002303	50712	486037	638347		Object Code 002278 Subtotal: BROWARD COUNTY, BOCC	001148181	\$1,400.00 \$50.00	0112627	901963	797449	PFTF
					Object Code 002303 Subtotal:		\$50.00				
002304	50712	486037	638347	•	BROWARD COUNTY, BOCC	001148181	\$500.00	0110038	901965	797449	PFTF
	50712	486037	638347		BROWARD COUNTY, BOCC	001148181	\$200.00	0111014	901966	797449	PFTF
					Object Code 002304 Subtotal:		\$700.00				
002309	50712	486037	638347		BROWARD COUNTY, BOCC	001148181	\$20.00	0112709	901964	797449	PFTF
					Object Code 002309 Subtotal:		\$20.00				

CLYMER CREMATIONS & FUNERAL HOME, INC. Florida Dep. Of Environmental Protection

9/17/2008

1811

100.00

Putnam Checking

100.00