HUMAN CREMATORIES AIR GENERAL PERMIT EXAMPLE REGISTRATION WORKSHEET

Facility Identification Number - If known (seven digit number)
0010134-001-AG
Registration Type
Check one:
INITIAL REGISTRATION - Notification of intent to:
Construct and operate a proposed new facility.
Operate an existing permitted 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). 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. (See "Surrender of Existing Air Operation Permit(s)" below.)
Operates an existing facility not currently permitted or using 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.
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 Applicable
All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):
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.)
Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a complete registration must be submitted for each.)
- Consecret Einste Commission
- Crevasse's Simple Cremation
<u>Facility Location</u> (Physical location of the facility, not necessarily the mailing address.) Street Address:
City: Zip Code:
, <u> </u>
Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility.)
1

Facility Contact
Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)
Print Name and Title: Beau Crevasse - Presiden+
Facility Contact Telephone Numbers
Telephone: Fax:
Cell phone: 352-316-2651 E-mail: <u>Cre</u> vasse. beau@gmail. com
Facility Contact Mailing Address
Organization/Firm: <u>Crevasser</u> Simple Cremation Mailing Address: 4352 NW 18th N. Suite T
Organization/Firm: <u>Crevasser Simple Cremation</u> Mailing Address: <u>6352</u> NW 18th Dr. Suite 6 City: Gainesville County: <u>Ala</u> Ch-a Zip Code: <u>32653</u>
Correspondence Contact/Representative (to serve as additional Department contact)
Name and Position Title Print Name and Title:
Correspondence Contact/Representative Telephone Numbers Telephone: Fax: Cell phone: 352 - 223-5132 E-mail: juliebishop 655@yahoo.com
Correspondence Contact/Representative Mailing Address
Organization/Firm:
Mailing Address: 6359 NW 18th Dr. Suite 6 City: Gainesnire, County: Alachua Zip Code: 32653
Government Facility Code (check only one)
Facility not owned or operated by a federal, state, or local government.
Facility owned or operated by the federal government.
Facility owned or operated by the state.
Facility owned or operated by the county.
Facility owned or operated by the municipality.
Facility owned or operated by a water management district.

Emission Unit Details

MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	RATED CAPACITY
Matthews Cremation	Power Pak I (IE43-PPI)	TBD	150 lbs/hr.
	+		
		-	
	 	-	

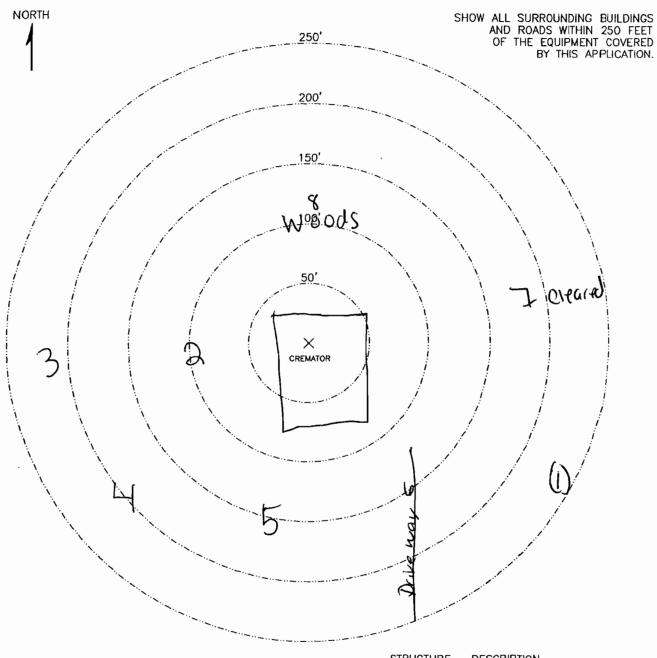
Design Calculations

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 timat 1800 degrees F.	e
Design calculations attached.	
Registration is not for proposed new human crematory unit(s).	

Helpful Definitions

- "Biomedical Waste" Any solid or liquid waste which may present a threat of infection to humans, including nonliquid-tissue, body parts, blood, blood products, and body fluids from humans and other primates; laboratory and veterinary wastes which contain human disease-causing agents; and discarded sharps. The following are also included:
- 1. Used absorbent materials saturated with blood, blood products, body fluids, or excretions or secretions contaminated with visible blood; and absorbent materials saturated with blood or blood products that have dried.
- 2. Non-absorbent, disposable devices that have been contaminated with blood, body fluids, or secretions or excretions visibly contaminated with blood, but have not been treated by a method listed in Section 381.0098, F.S., or a method approved pursuant to Rule 64E-16, F.A.C.
- "Department" or "DEP" The State of Florida Department of Environmental Protection.
- "Emissions Unit" Any part or activity of a facility that emits or has the potential to emit any air pollutant.
- **"Facility"** All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).
- "Human Crematory" Any combustion apparatus used solely for the cremation of either human or fetal remains
- "Owner" or "Operator" Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.

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. $\mbox{\footnote{Optimize}{\foo$
- SHOW WOODED OR CLEARED AREA BY APPROXIMATE BOUNDARY LINES AND THE WORDS "WOODS," "CLEARED," "CORNFIELD," ETC.

STRUCTURE DESCRIPTION

- (1) Building-
- (2) Building
- (3) Bulling (4) Bulding

- (5) Buildag
- (6) Drive
- (7) Cleured
- eboow (8)
- (9)
- (10)

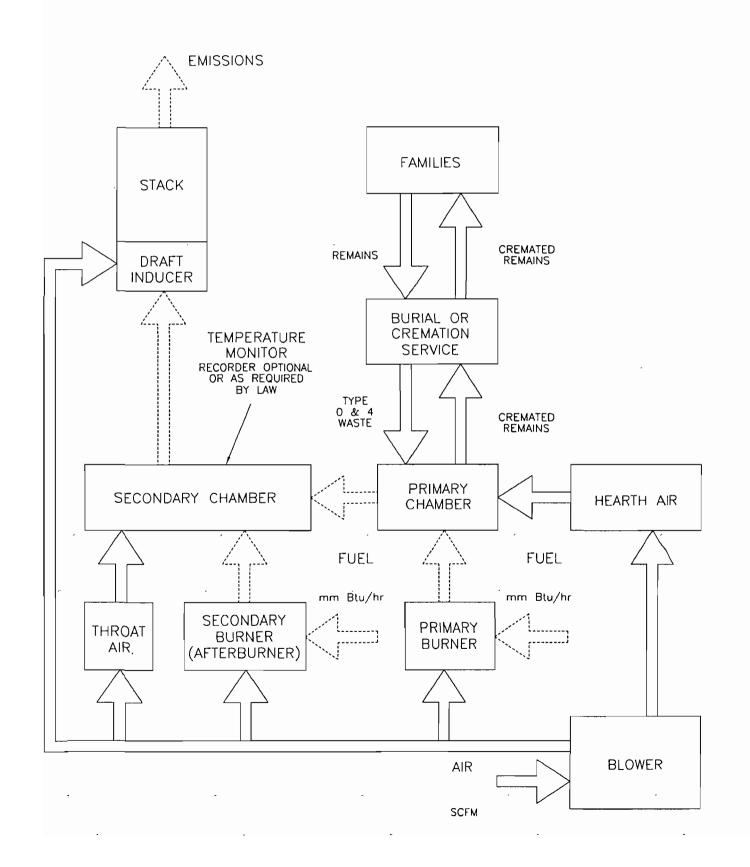








PROCESS FLOW DIAGRAM CREMATOR

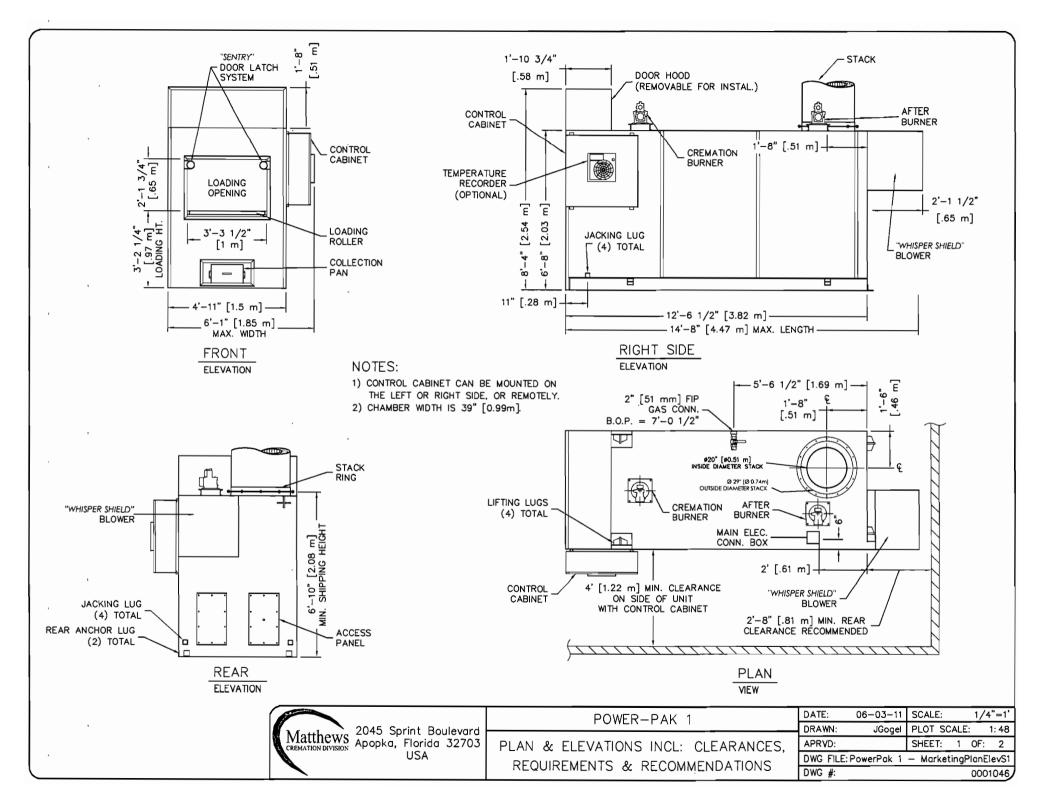


1.	Equipment TypeA. Model NoB. Underwriters Laboratories Listing and File No	IE43-PPI
2.	Dimensions A. Footprint B. Maximum Length C. Maximum Width D. Maximum Height E. Chamber Loading Opening	14' – 8" (4.47 m) 6' -1" (1.85 m) 8' - 4" (2.54 m)
3.	Weight	23,400 lbs. (10,614 kg)
4.	Utility/Air Requirements A. Gross Gas Input, Natural or LP Gas Running Gas Pressure, Natural Gas Running Gas Pressure, LP Gas B. Electrical Supply C. Air Supply	3,000,000 BTU/hr. (3,165,168 kJ/h) if operating temperature is greater than 1,600° F (871° C) 11 inches (279.4 mm) water column or greater 11 inches (279.4 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. (340.2 kg)
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" (9.5 mm) plate 3/16" (5 mm) plate 12 gauge (3 mm) plate
9.	Stack Construction A. Inner Wall B. Outer Wall	
	Draft Nozzle Construction	connections 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 D. Outer Refractory Wall E. Inner Refractory Wall	2" (51 mm) air compartment 12 gauge (3 mm) sheet 3" (76 mm) insulating block
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 4" (102 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. (1427° C) 2,550° F. (1399° C) 2,550° F. (1399° C) 1,900° F. (1038° C)
15.	Chamber Volumes (not including external flues, stacks or chimneys) A. Primary Chamber B. Secondary Chamber	
	Emission Control Features A. Secondary Chamber with Afterburner B. Opacity Monitor and Controller with Visual and Audible Alarms C. Microprocessor Temperature Control System	Optional Upgrade Package
17.	Operating Temperatures A. Primary Chamber B. Secondary Chamber	32° F 1,800° F. (0° C - 982° C) 1,400° F 1,800° F. (760° C - 982° C) as required
18.	Secondary Chamber Retention Time	> 1 second
19.	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 Included Optional Upgrade Package Included Included Included Included Included Included Included
22.	Burner Description	The nozzle mix burners used on this cremation equipment are industrial quality and designed for incinerator use.
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 E. Afterburner On (Secondary Burner) H. Afterburner (Secondary Burner) Reset I. Cremation Burner Reset H. High Fire Cremation Burner H. Low Fire Cremation Burner J. Hearth Air K. Throat Air Off	Included Included Optional Upgrade Package Included Included Included Included Included Included Included Included Included
_, 25.	Automatic Timer Functions A. Master Cycle	Optional Upgrade Package Optional Upgrade Package Optional Upgrade Package
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 of 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.



CREMATOR CLEARANCES

CREMATOR REQUIREMENTS

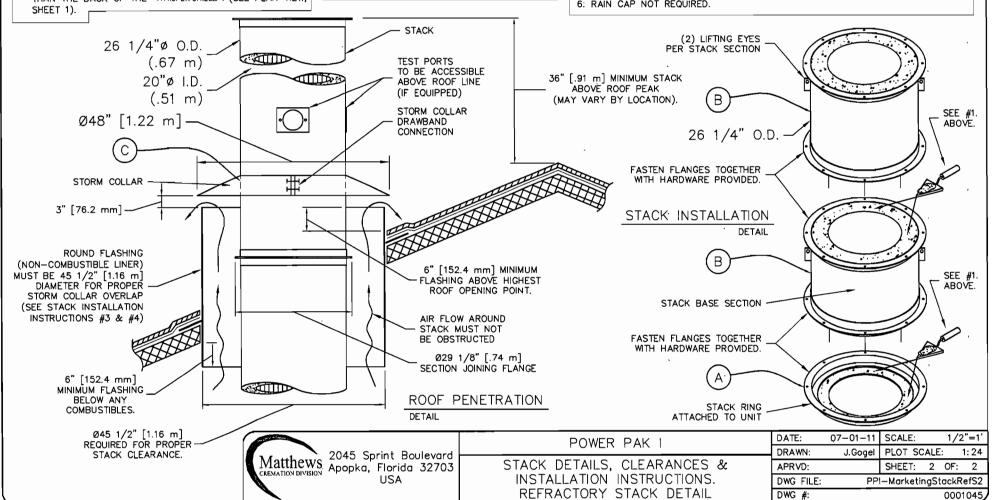
STACK INSTALLATION INSTRUCTIONS

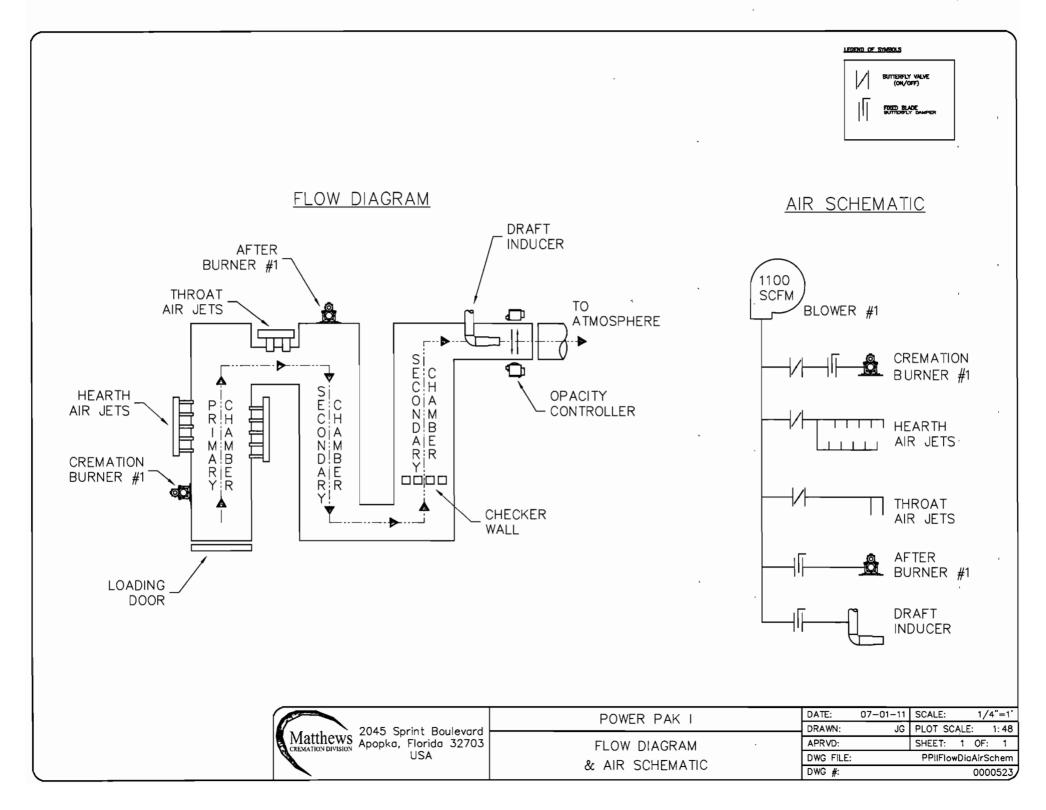
RECOMMENDED MINIMUM TOP: (2) 2 FEET [610 mm] 6 INCHES [152 mm] 4 FEET [1.22 m] CABINET SIDE: 4 FEET [1.22 m] 6 INCHES [152 mm] OTHER SIDE: 2 FEET [610 mm] [2.74 m] 8 FEET [2.44 m] FRONT: 9 FEET REAR: 3 FEET [0.91 m] 32 INCHES [812 mm] 9 INCHES [229 mm] STACK: 9 INCHES [229 mm]

- 1. FOR CLEARANCES OTHER THAN THOSE SHOWN, OR FOR SPECIAL REQUIREMENTS, CONSULT YOUR MCD REP.
- 2.) FROM HIGHEST POINT ON UNIT.
- 3. CONTROL CABINET MOUNTS ON UNIT'S LEFT OR RIGHT SIDES, OR REMOTELY, (SEE PLAN VIEW, SHEET 1).
- 4. REAR OF UNIT REFERS TO THE "BACK PLATE". RATHER THAN THE BACK OF THE "WHISPER SHIELD". (SEE PLAN MEW.

- FUEL: A PRESSURE REGULATOR ADJUSTABLE TO 11" [279 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 36") [914 mm X 914 mm].

- 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" [72 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)
- 4. STORM COLLAR IS FURNISHED BY MCD. THE NON-COMBUSTIBLE LINER (FLASHING) TO BE PROVIDED BY THE OTHERS.
- 5. IF FIFTY PERCENT OF THE STACK LENGTH IS ABOVE THE ROOF, GUY WIRES MAY BE REQUIRED. CONSULT WITH YOUR MCD REP.
- 6: RAIN CAP NOT REQUIRED.





Calculation Of Emissions

Potential to Emit

Matthews Cremation Division (MCD)
(formerly Industrial Equipment and Engineering Company (IEE))
Crematory Incinerator Model IE43-PPI

Total Incene Flue gas flow (Hours/Day X	and associated of Days/Wee Hours/Year	
Total Emiss	ion Rate = Incir	nerator Burn Rate X	Emission Facto	or	
Sulfer Dioxid	le (SO ₂)				
_	150 lb/hr X	2.5 lb/ton X	1 ton 2000 lbs	-	= 0.188 lb/hr = 0.351 TPY
_	0.1875 lb/hr X	4.54E+05 mg/lb X	1 ppmv	. 2	= 17.46 ppmv
	1100 dscfm X	60 min/hr X	0.0283 m ³ /f ³ X	2.61 mg/m³	
Nitrogen Oxi	de (NOx - as Nitro	ogen Dioxide)			
	150 lb/hr X	3 lb/ton X	1 ton		= 0.225 lb/hr
_			2000 lbs	-	= 0.4212 TPY
_	0.225 lb/hr X	4.54E+05 mg/lb X	1 ppmv		= 29.40 ppmv
	1100 dscfm X	60 min/hr X	0.028 m ³ /f ³ X	1.88 mg/m³	
<u>Hydrocarbon</u>	s (TOC/VOC - met	:hane)			
	150 lb/hr X	3 lb/ton X	1 ton		= 0.225 lb/hr
			2000 lbs	-	= 0.4212 TPY
	0.225 lb/hr X	4.54E+05 mg/lb X	1 ppmv		= 84.14 ppmv
	1100 dscfm X	60 min/hr X	0.0283 m ³ /f ³ X	0.65 mg/m ³	
Lead (Pb)	(6.62E-05	5 lbs/cremation)			
	150 lb/hr X	0.0000662 lb Pb		_	= 1E-04 lb/hr
		100 lb			= 0.0002 TPY
<u>Particulates</u>	(PM & PM ₁₀)	(Actual Levels lower as	shown by test resu	ults)	•
	150 lb/hr X	7 lb/ton X	1 ton		= 0.525 lb/hr
_			2000 lbs	<u>.</u>	= 0.9828 TPY
	0.525 lb/hr X	7.00E+03 gr/lb X	_		= 0.06 gr/dscf
_	1100 dscfm X	60 min/hr	•		
Carbon Mond	xide (CO)	(Actual Levels lower as	shown by test resu	ults)	
	150 lb/hr X	10 lb/ton X	1 ton		= 0.75 lb/hr
		·	2000 lbs	-	= 1.404 TPY
	0.75 lb/hr X	4.54E+05 mg/lb X	1 ppmv		= 161.63 ppmv
	1100 dscfm X	60 min/hr X	0.028 m ³ /f ³ X	1.14 mg/m ³	
Noton					

1. Incinerator Emissions based on EPA emissions from Table 2.1-12 of AP-42 (5th Edition)

2. All conversion factors from AP-42 Appendix A.

CREMATOR MASS BALANCE Matthews Cremation PPI

THESE CALCULATIONS HAVE BEEN PREPARED TO EVALUATE THE COMBUSTION PROCESS IN THIS UNIT.

THE INCINERATOR INSTITUTE OF AMERICA HAS PUBLISHED THE FOLLOWING SPECIFICATIONS COVERING AVERAGE WASTES.

NASTÉ - TYPE	TÝPE-0	\$4.134 .4	TYPE 4
BTU PER POUND	8500		1000
OUND ASH PER POUND WASTE	0.05		0.05
OUND MOISTURE PER POUND WASTE	0.1		0.85
POUND COMBUSTIBLES PER POUND WASTE	0.85		0.1
HOURLY CONSUMPTION OF WASTE (LBS)	10		140
MASS OF PRODUCTS OF COMBUSTION FROM CONTAINER			
A. COMBUSTION AIR			
8500 BTU/LB x 100 BTU/CF OF AIR*	0.075 LB/CF OF AIR	=	6.38 LB/LB BURN
B. COMBUSTIBLES AND WATER VAPOR	FROM CHART ABOVE	=	0.95 LB/LB BURN
C. TOTAL FLUE PRODUCT MASS PER LB BURNED		=	7.33 LB/LB BURN
2. MASS OF PRODUCTS OF COMBUSTION FROM BODY.			
A. COMBUSTION AIR			
1000 BTU/LB x 100 BTU/CF OF AIR*	0.075 LB/CF OF AIR	=	0.75 LB/LB BURN
B. COMBUSTIBLES AND WATER VAPOR	FROM CHART ABOVE	=	0.95 LB/LB BURN
C. TOTAL FLUE PRODUCT MASS PER LB BURNED		=	1.70 LB/LB BURN
SPECIFIC	CATIONS	<u> </u>	
RIMARY BURNER FUEL CONSUMPTION (MMBTU/HR)		0.5	_
ECONDARY BURNER FUEL CONSUMPTION (MMBTU/HR)		0.9	
DDITIONAL SECONDARY AIR SUPPLIED (CFM)		200	
SEC. CHAMBER OPERATING TEMPERATURE (°F)	1	800	
ECONDARY CHAMBER VOLUME (CU. FT)		74	
EC. CHAMB. CROSS-SECTIONAL AREA (SQ. FT)		2.44	
LAME PORT AREA (SQ. FT)	· · · · · · · · · · · · · · · · · · ·	2.95	
MIXING BAFFLES AREA (SQ. FT)		1.36	
*AIR AT STANDARD CONDITIONS			
. TOTAL FLUE PRODUCTS	•		

B. COMBUSTION AIR FOR PRIMARY BURNER

500000 BTU/HR x 4.8E-05 LBS/BTU

500000	BTU/HR x	1	×	0.075 LB/CF AIR =	375 LBS/HR
100	BTU/CF AIR	Burner			

24 LBS/HR

C. MAXIMUM SECONDARY BURNER GAS USAGE

900000 BTU/HR x 4.8E-05 LBS/BTU = 43 LBS/HOUR

	COMBUSTION AIR	R FOR SECO	NDARY I	BURNER						
	900000	BTU/HR x			1	x	0.075 LB/CF AIR	=	675	LBS/HOUR
	100	BTU/CF AIR		_	Burner					
E.	PRODUCTS FROM	N TYPE O W	ASTE (C	ONTAINER)	ı					
	7.33 LBS/LB BU	RNED	×	10	LB/HR BUR	N RATE		=	73	LBS/HOUR
F.	PRODUCTS FROM	ATYPE 4 W	ASTE (T	TSSUE)						
	1.70 LBS/LB WA	ASTE	×	140	LB/HR BUR	N RATE		=	238	LBS/HOUR
G.	ADDITIONAL SEC	CONDARY CH	IAMBER	COMBUSTI	ON AIR (TH	IROAT AIR)				
	12000 CF/HR*	ı X		0.075	LB/CF AIR			=	900	LBS/HOUR
H.	TOTAL FLUE PR	PODUCTS						=	2328	LBS/HOUR
/ELOCIT	Y AND TIME CALC	ULATIONS								
A.	SCFM CALCULAT	TON		(PRODUCT:	S ASSUMED	TO HAVE DE	NSITY CLOSE TO AIR)			
	2328 LBS/HR	x _		STD. CU.	FT/LB			=	518	SCFM
_	TOTAL OBSESSOR				*****	F				
В.	TOTAL PRODUCT	S ALFM	@		1800	,				
									2200	4.0514
_	2260 °RANKINE 530 °RANKINE			518.1	CFM			=	2209	ACFM
_	530 °RANKINE			518.1	CFM			=	2209	ACFM
	530 °RANKINE							·········		
C.	530 °RANKINE		60	518.1 D SECONDS 1 MINUTE			PP-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	=		SECONDS
	530 °RANKINE RETENTION TIME 74 CU. FT 2209 ACFM	E ×	60	O SECONDS				·········		
	530 °RANKINE RETENTION TIME 74 CU. FT	E ×	60	O SECONDS 1 MINUTE				·········	2.01	SECONDS
	530 *RANKINE RETENTION TIME 74 CU. FT 2209 ACFM VELOCITY IN FL 2209 ACFM	E ×	60	O SECONDS 1 MINUTE 1 MINUTE				·········	2.01	
<i>D</i> .	74 CU. FT 2209 ACFM VELOCITY IN FL 2209 ACFM 2209 ACFM 2.95 SQ. FT	X AME PORT X	11 60	O SECONDS 1 MINUTE				=	2.01	SECONDS
<i>D</i> .	530 *RANKINE RETENTION TIME 74 CU. FT 2209 ACFM VELOCITY IN FL 2209 ACFM	X AME PORT X	11 60	O SECONDS 1 MINUTE 1 MINUTE				=	2.01	SECONDS
<i>D</i> .	74 CU. FT 2209 ACFM VELOCITY IN FL 2209 ACFM 2209 ACFM 295 SQ. FT VELOCITY AT MI 2209 ACFM	AME PORT X LIXING BAFFL	60 1 60 2.ES	O SECONDS 1 MINUTE 1 MINUTE O SECONDS				=	2.01	SECONDS
<i>D</i> .	74 CU. FT 2209 ACFM VELOCITY IN FL 2209 ACFM 2209 ACFM VELOCITY AT MI	AME PORT x LIXING BAFFE	60 1 60 2.ES	O SECONDS 1 MINUTE 1 MINUTE O SECONDS				=	2.01	SECONDS FEET/SECOND
D. E.	74 CU. FT 2209 ACFM VELOCITY IN FL 2209 ACFM 2209 ACFM 295 SQ. FT VELOCITY AT MI 2209 ACFM	E X AME PORT X . IXING BAFFE	60 60	O SECONDS 1 MINUTE 1 MINUTE O SECONDS 1 MINUTE D SECONDS				=	2.01	SECONDS FEET/SECOND
D. E.	74 CU. FT 2209 ACFM VELOCITY IN FL 2209 ACFM 2.95 SQ. FT VELOCITY AT MI 2209 ACFM 1.36 SQ. FT	E X AME PORT X . IXING BAFFE	60 60 ES	O SECONDS 1 MINUTE 1 MINUTE O SECONDS 1 MINUTE D SECONDS				=	2.01 12.5 27.1	SECONDS FEET/SECOND

Crevasse's Simple Cremation 6352 NW 18th Drive, Suitie 6 Gainesville, Florida 32653 352-222-5132

June 6, 2013

Florida Dept. of Environmental Protection

Enclosed are the documents to support the placement of a new human crematory in our facility. If you have any questions, please contact us at any time. The placement of the new crematory will be placed at the above address, but will be in unit 7. We currently own unit 6 and this will be our current mailing address until things are finalized with the final location of unit 7.

Thank you,

Julie T. Bishop

Julie 1. Bioner

Vice President