

FERO

FUNERAL HOME WITH CREMATORY

MEMORIAL GARDENS CEMETERY

"When Compassion Matters Most"

November 23, 2005

Florida Department of Environmental Protection
Southwest District Air Section
3804 Coconut Palm Drive
Tampa, Florida 33619



Dear Gentleman

Please find enclosed the completed Air General Permit Notification and Check covering the fee for said Permit.

I would like to take this opportunity to personally thank you and your staff for all there assistance in with the needed changes for our crematory with the Air Permit.

If I can be of any further assistance please feel free to contact me at (352) 489-5363!

Respectfully,

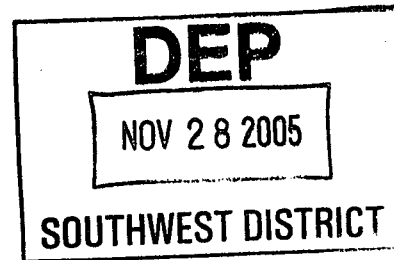
A handwritten signature in black ink, appearing to read "W. C. Ward, III".

William C. Ward, III
Manager

Beverly Hills Chapel
5955 North Lecanto Hwy.
Beverly Hills, FL 34465
(352) 746-4551
Fax: (352) 746-5004

Fero Memorial Gardens Cemetery
5891 North Lecanto Hwy.
Beverly Hills, FL 34465
(352) 746-4646 • (352) 489-9613
Fax: (352) 746-2875

Dunnellon Chapel
7620 S. U.S. Hwy 41
Dunnellon, FL 34432
(352) 489-5363
Fax: (352) 465-0072



**AIR GENERAL
PERMIT NOTIFICATION**

FERO FUNERAL HOME WITH CREMATORY

HUMAN CREMATORY

SES Reference No. 05P449
Facility ID No. 0830080

Prepared For:

FERO FUNERAL HOME WITH CREMATORY
7620 South U. S. Highway 41
Dunnellon, Florida 34432

Prepared By:

SOUTHERN ENVIRONMENTAL
SCIENCES, INC.
1204 North Wheeler Street
Plant City, Florida 33566

NOTIFICATION FORM

Facility Comments

Process Description:

**INDUSTRIAL EQUIPMENT & ENGINEERING MODEL IE43 – PPII
HUMAN CREMATORY INCINERATOR.**

**THIS UNIT IS CURRENTLY UNDER A CONSTRUCTION PERMIT TO “OFFICIALLY” CHANGE
THE SECONDARY CHAMBER OPERATING TEMPERATURE TO 1600° F.**

Notification Type

Check one:

NEW FACILITY WITH AIR CONSTRUCTION PERMIT:

Provide the air construction permit number: 0830080-004-AG

EXISTING FACILITY WITH AIR OPERATION PERMIT:

Provide the air operation permit number:

EXISTING FACILITY WITH AIR GENERAL PERMIT

Surrender of Existing Air Permit(s)

Check one:

I hereby surrender all existing air permits authorizing operation of the facility indicated on this form;
specifically permit number(s) _____

No air permits currently exist for the operation of the facility indicated on this form.

Owner/Authorized Representative Statement

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Notification Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this notification are true, accurate and complete. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this notification 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 notification.

Signature

Date

11/22/05

**VISIBLE EMISSIONS
TEST REPORT**

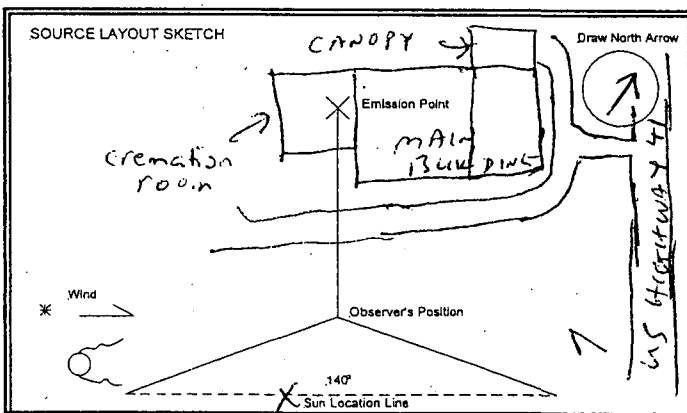
Southern Environmental Sciences, Inc.

1204 North Wheeler Street □ Plant City, Florida 33563 □ (813) 752-5014, Fax (813) 752-2475

VISIBLE EMISSIONS EVALUATION

COMPANY FERO FUNERAL HOME	
UNIT HUMAN CREMATORY	
ADDRESS 7620 S. U.S. HWY 41 DENNELLON, FL 34432	
PERMIT NO. 0F30080-004-AL	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
AIRS NO. 0F30080	EU NO. 0.1
PROCESS RATE ADULT BODY	PERMITTED RATE ADULT BODY
PROCESS EQUIPMENT MATHEWS MODEL IE43-PP I	
CONTROL EQUIPMENT AFTERBURNER	
OPERATING MODE NATURAL GAS FIRED	AMBIENT TEMP. (°F) START 75 STOP 80
HEIGHT ABOVE GROUND LEVEL START N 25' STOP N 25'	HEIGHT RELATIVE TO OBSERVER START 25' STOP N 25'
DISTANCE FROM OBSERVER START N 90' STOP N 90'	DIRECTION FROM OBSERVER START 315° STOP 315°
EMISSION COLOR NONE	PLUME TYPE CONTIN. <input type="checkbox"/> INTERMITTENT <input type="checkbox"/> NA
WATER DROPLETS PRESENT? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IS WATER DROPLET PLUME ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/> NA
POINT IN PLUME AT WHICH OPACITY WAS DETERMINED START STACK EXIT STOP STACK EXIT	
DESCRIBE BACKGROUND START SKY STOP SKY	
BACKGROUND COLOR START BLUE STOP BLUE	SKY CONDITIONS START CLEAR STOP CLEAR
WIND SPEED (MPH) START 0 STOP 0	WIND DIRECTION START E STOP E
AVERAGE OPACITY FOR HIGHEST PERIOD 0%	RANGE OF OPACITY READINGS MIN. 0% MAX. 0%

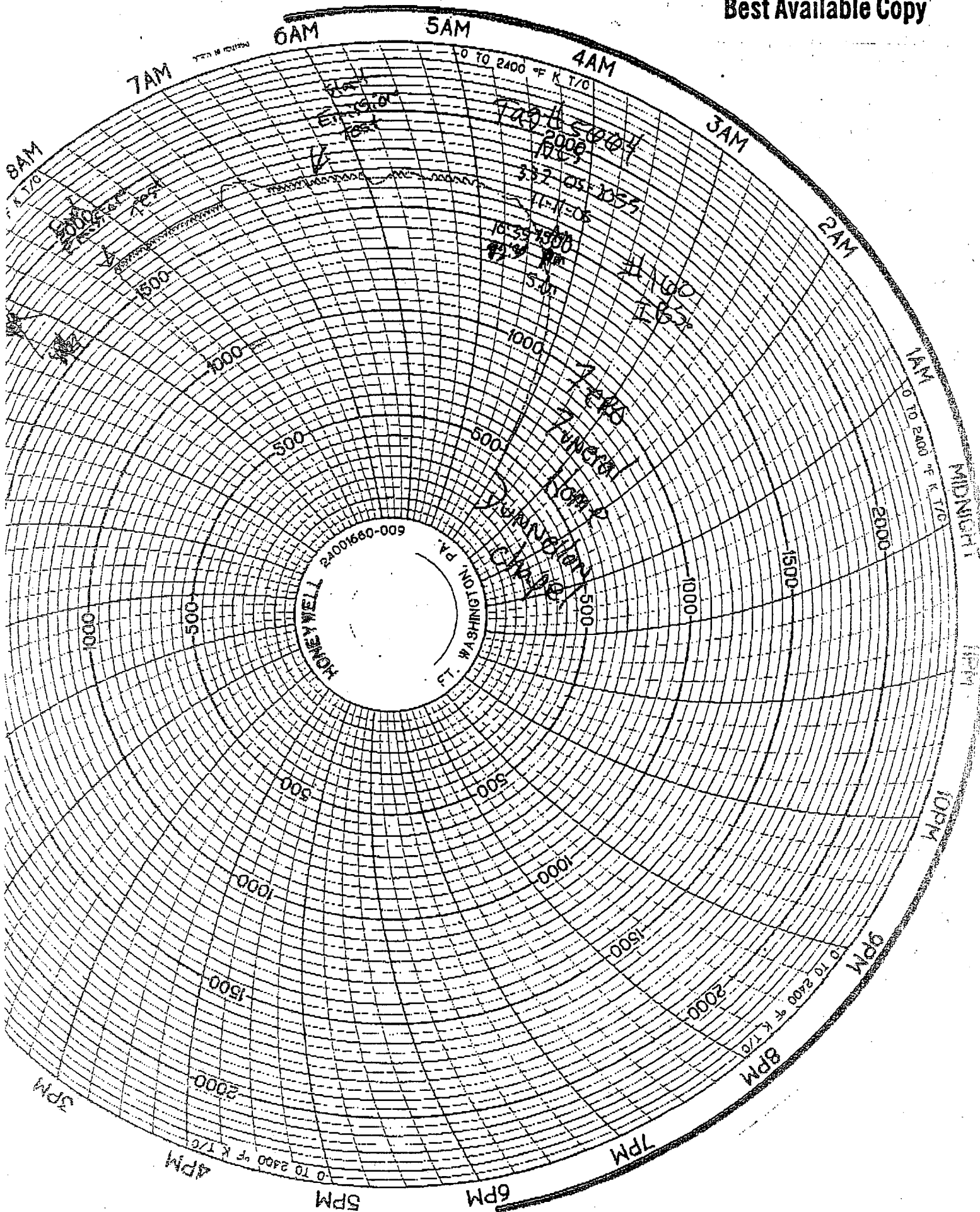
OBSERVATION DATE 11/11/05		START TIME 1035				STOP TIME 1135			
SEC	0	15	30	45	SEC	0	15	30	45
MIN					MIN				
0	0	0	0	0	30	0	0	0	0
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0



Comments

EASTERN TECHNICAL ASSOCIATES		
RAMANATHAN IYER		
met the specifications of Federal Reference Method 9 and qualifies as a visible emissions evaluator. Maximum deviation on white and black smoke did not exceed 7.5% opacity and no single error exceeding 16% opacity was incurred during the certification test conducted by Eastern Technical Associates of Raleigh, NC. This certificate is valid for six months from date of issue and expires on the date below		
8/16/05	2/15/06	TMPF02
DATE OF SCHOOL	EXPIRATION DATE	LAST LECTURE
331653	<i>Michael Joseph Ramanathan</i>	BEARER
CERT. NUMBER	TRAINING MANAGER	
I certify that all data provided to the person conducting the test was true and correct to the best of my knowledge:		
Signature: <i>Ramanathan</i>	Title: PERMITTING MANAGER	

Best Available Copy



**OPERATOR
TRAINING CERTIFICATES**

Certificate of Completion

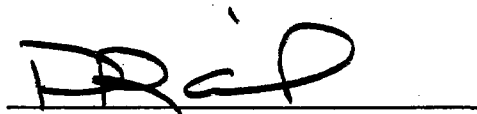
William C. Ward III

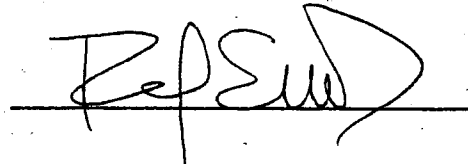
has successfully completed the State of Florida

Crematory Operator Training

This required program consisted of eight hours of classroom instruction and hands-on training. Industrial Equipment & Engineering Company, a State-approved training organization for crematory operators, administered the course from February 22 to February 23, 1994. Prepared this 1st day of March, 1994, by Industrial Equipment & Engineering Company.

MODEL TYPE : POWER-PAK II
CERTIFICATION #0203-IE-0PPH-02-94







Certificate of Completion

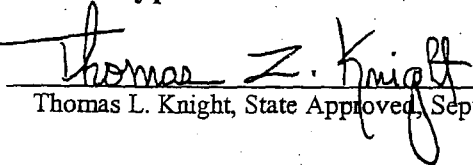
Scott T. Gullett

*Has met the State of Florida requirements
according to Rule 17-296.401(5), F.A.C.*

Training Program for Operators of Human Cremators

*Including the required program of eight hours of classroom and hands-on
Training, including combustion, maintenance, and safety awareness.*

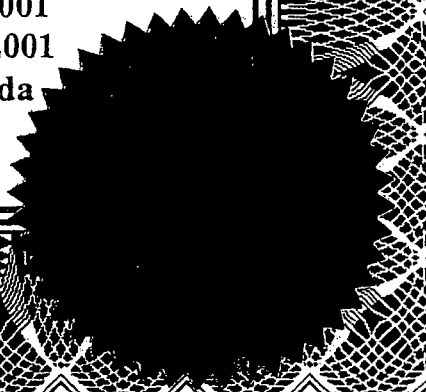
Model Type: IE&E Power Pak II


Thomas L. Knight, State Approved, September 30, 1994

Date of Classroom: April 10, 2001

Date of Hands-On: April 10, 2001

Training Site: Orlando, Florida





Certificate of Completion

Jeffrey A. Macrini

*has met the State of Florida requirements
according to Rule 17-296.401(5), F. A. C.*

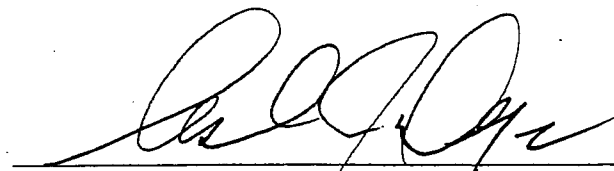
Training Program for Operators of Human Cremators

*including the required program of eight hours of classroom and hands-on
training, including combustion, maintenance, and safety awareness.*

Model Type: IE&E Power-Pak II

Date of Completion: October 7, 1999

Training Site: Dunnellon, Florida



Leslie J. Dyer, State Approved, February 25, 1994

Certificate of Completion

William E. Johnson

*has met the State of Florida requirements
according to Rule 17-296.401(5), F. A. C.*

Training Program for Operators of Human Cremators

*including the required program of eight hours of classroom and hands-on
training, including combustion, maintenance, and safety awareness.*

Model Type: IE&E Power-Pak II

Date of Completion: October 7, 1999

Training Site: Dunnellon, Florida



Leslie J. Dyer, State Approved, February 25, 1994

Certificate of Completion

Matthew L. Egan

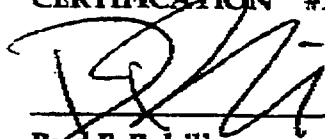
has successfully completed

Cremator Operator Training

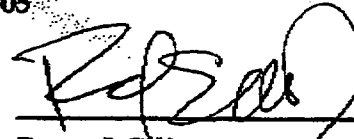
This program consisted of 16 hours of classroom instruction and hands-on training. Industrial Equipment & Engineering Company, an approved training organization for crematory operators, administered the course on the 17th of May, 2005.

Prepared this 14th day of June, 2005, by Industrial Equipment & Engineering Company/ALL Crematory, under Matthews Cremation Division, Orlando, Florida.

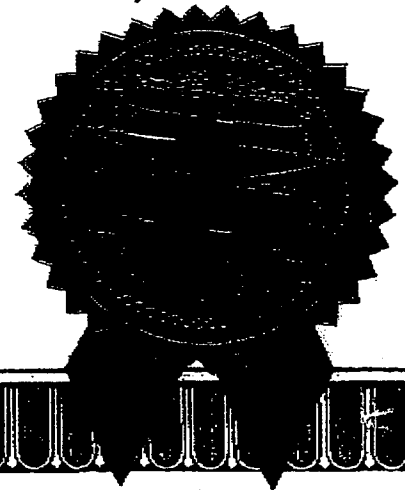
MODEL TYPE: POWER-PAK II
CERTIFICATION #1069-IE-OPP11-06-05



Paul F. Rahill
President
Matthews Cremation Division



Roger J. Elliott
Training Coordinator
Matthews Cremation Division



IDENTICAL UNIT TEST SUMMARY
PARTICULATE
CARBON MONOXIDE
VISIBLE EMISSIONS

Complete emissions test report was submitted with construction permit application on October 7, 2005

TABLE 1. EMISSIONS TEST SUMMARY

Company: TURNER FUNERAL HOMES, INC.
IE43-PPII HUMAN CREMATORY

	Run 1	Run 2	Run 3	
Date of Run	07/26/05	07/26/05	07/26/05	
Body Weight (lbs.)	165	185	145	
Start Time (24-hr. clock)	1117	1305	1441	
End Time (24-hr. clock)	1219	1409	1545	
Vol. Dry Gas Sampled Meter Cond. (DCF)	41.71	37.337	37.188	
Gas Meter Calibration Factor	0.994	0.994	0.994	
Barometric Pressure at Barom. (in. Hg.)	30.02	30.01	29.97	
Elev. Diff. Manom. to Barom. (ft.)	0	0	0	
Vol. Gas Sampled Std. Cond. (DSCF)	39.841	35.573	35.240	
Vol. Liquid Collected Std. Cond. (SCF)	1.141	1.419	1.891	
Moisture in Stack Gas (% Vol.)	2.8	3.8	5.1	
Molecular Weight Dry Stack Gas	29.232	29.336	29.216	
Molecular Weight Wet Stack Gas	28.92	28.90	28.64	
Stack Gas Static Press. (in. H ₂ O gauge)	0.11	-0.12	-0.26	
Stack Gas Static Press. (in. Hg. abs.)	0.01	30.00	29.95	
Average Square Root Velocity Head	0.388	0.367	0.366	
Average Orifice Differential (in. H ₂ O)	1.61	1.37	1.30	
Average Gas Meter Temperature (°F)	93.5	94.4	96.5	
Average Stack Gas Temperature (°F)	597.2	607.3	570.0	
Pitot Tube Coefficient	0.8	0.8	0.8	
Stack Gas Vel. Stack Cond. (ft./sec.)	29.32	27.87	27.46	
Effective Stack Area (sq. ft.)	2.18	2.18	2.18	
Stack Gas Flow Rate Std. Cond. (DSCFM)	1,869	1,740	1,750	
Stack Gas Flow Rate Stack Cond. (ACFM)	3,838	3,648	3,594	
Net Time of Run (min.)	60	60	60	
Nozzle Diameter (in.)	0.373	0.373	0.373	
Percent Isokinetic	102.2	98.0	96.5	
Oxygen (%)	15.6	15.4	14.8	
Particulate Collected (mg.)	22.7	18.5	27.4	
Particulate Emissions (lb./hr.)	0.14	0.12	0.18	
				Average
Particulate Emissions (gr./DSCF)	0.009	0.008	0.012	0.01
Particulate Emissions (gr./DSCF @ 7% O₂)	0.023	0.020	0.027	0.02
Allowable Emissions (gr./DSCF @ 7% O₂)				0.08
CO Emissions (ppm)	8.7	20.3	4.0	11
CO Emissions (ppm @ 7% O₂)	22.6	50.8	9.0	27
Allowable Emissions (ppm @ 7% O₂)				100

Note: Standard conditions 68°F, 29.92 in. Hg

1930080

Rec. 11/28/05

PA

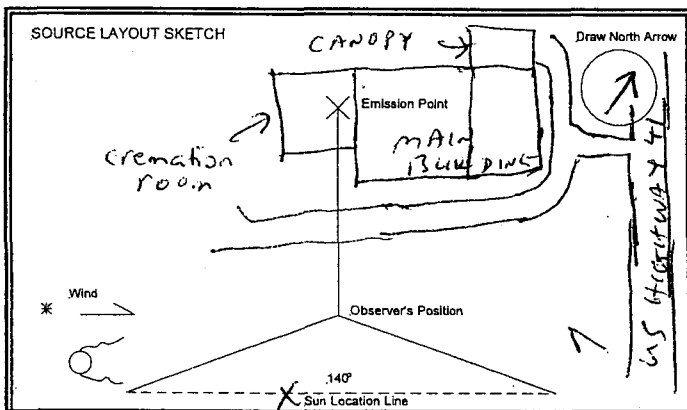
Southern Environmental Sciences, Inc.

1204 North Wheeler Street □ Plant City, Florida 33563 □ (813) 752-5014, Fax (813) 752-2475

VISIBLE EMISSIONS EVALUATION

COMPANY FERO FUNERAL HOME	
UNIT HUMAN CREMATORY	
ADDRESS 7620 S. W.S. HWY 41 DENNELLON, FL 34432	
PERMIT NO. 0F30080-004-AL	COMPLIANCE? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
AIRS NO. 0F30080	EU NO. 0.1
PROCESS RATE ADULT BODY	PERMITTED RATE ADULT BODY
PROCESS EQUIPMENT MATHEWS MODEL IE43-PP I	
CONTROL EQUIPMENT AFTERBURNER	
OPERATING MODE NATURAL GAS FIRE	AMBIENT TEMP. (°F) START 75 STOP 80
HEIGHT ABOVE GROUND LEVEL START N 25' STOP N 25'	HEIGHT RELATIVE TO OBSERVER START 25' STOP N 25'
DISTANCE FROM OBSERVER START N 90' STOP N 90'	DIRECTION FROM OBSERVER START 95° STOP 35°
EMISSION COLOR NONE	PLUME TYPE CONTIN. <input type="checkbox"/> INTERMITTENT <input type="checkbox"/> NA
WATER DROPLETS PRESENT? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	IS WATER DROPLET PLUME ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/> NA
POINT IN PLUME AT WHICH OPACITY WAS DETERMINED START STACK EXIT STOP STACK EXIT	
DESCRIBE BACKGROUND START SKY STOP SKY	
BACKGROUND COLOR START BLUE STOP BLUE	SKY CONDITIONS START CLEAR STOP CLEAR
WIND SPEED (MPH) START 0 STOP 0	WIND DIRECTION START E STOP E
AVERAGE OPACITY FOR HIGHEST PERIOD 0%	RANGE OF OPACITY READINGS MIN. 0% MAX. 0%

OBSERVATION DATE 11/11/05		START TIME 1035				STOP TIME 1135			
SEC	0	15	30	45	SEC	0	15	30	45
MIN					MIN				
0	0	0	0	0	30	0	0	0	0
1	0	0	0	0	31	0	0	0	0
2	0	0	0	0	32	0	0	0	0
3	0	0	0	0	33	0	0	0	0
4	0	0	0	0	34	0	0	0	0
5	0	0	0	0	35	0	0	0	0
6	0	0	0	0	36	0	0	0	0
7	0	0	0	0	37	0	0	0	0
8	0	0	0	0	38	0	0	0	0
9	0	0	0	0	39	0	0	0	0
10	0	0	0	0	40	0	0	0	0
11	0	0	0	0	41	0	0	0	0
12	0	0	0	0	42	0	0	0	0
13	0	0	0	0	43	0	0	0	0
14	0	0	0	0	44	0	0	0	0
15	0	0	0	0	45	0	0	0	0
16	0	0	0	0	46	0	0	0	0
17	0	0	0	0	47	0	0	0	0
18	0	0	0	0	48	0	0	0	0
19	0	0	0	0	49	0	0	0	0
20	0	0	0	0	50	0	0	0	0
21	0	0	0	0	51	0	0	0	0
22	0	0	0	0	52	0	0	0	0
23	0	0	0	0	53	0	0	0	0
24	0	0	0	0	54	0	0	0	0
25	0	0	0	0	55	0	0	0	0
26	0	0	0	0	56	0	0	0	0
27	0	0	0	0	57	0	0	0	0
28	0	0	0	0	58	0	0	0	0
29	0	0	0	0	59	0	0	0	0



Comments

EASTERN TECHNICAL ASSOCIATES

RAMANATHAN IYER

met the specifications of Federal Reference Method 9 and qualifies as a visible emissions evaluator. Maximum deviation on white and black smoke did not exceed 7.5% opacity and no single error exceeding 15% opacity was incurred during the certification test conducted by Eastern Technical Associates of Raleigh, NC. This certificate is valid for six months from date of issue and expires on the date below.

8/16/05 2/15/06 TMPF02
DATE OF SCHOOL EXPIRATION DATE LAST LECTURE!

331653 Michael M. Joseph Ramanathan Iyer
CERT. NUMBER TRAINING MANAGER BEARER

I certify that all data provided to the person conducting the test was true and correct to the best of my knowledge:

Signature: *Ramanathan Iyer* Title: **PERMITTING MANAGER**

Best Available Copy

