

Kimberly Cunningham

From: Kimberly Cunningham
Sent: Wednesday, July 22, 2026 1:25 PM
To: OCC-NSR; R6AirPermitsTX@epa.gov; MCALEE@ATT.NET; mtricoche@matw.com
Cc: R12APDMail; Nguyen.Ly@houstontx.gov; Jorge.Gonzalez2@houstontx.gov; Air_Permits@pcs.hctx.net; Jesse.Dickerman@harriscountytexas.gov; Clare Hubbell
Subject: INITIAL, Legacy Grove Pet Crematory LLC, Project: 412222, Permit(s): 184718,
Attachments: Legacy Grove Public Notice.docx

Please see Public Notice attached.

Kimberly Cunningham

From: Chris McAlee <mcalee@att.net>
Sent: Wednesday, July 22, 2026 9:21 AM
To: Kimberly Cunningham
Subject: Re: Legacy Grove Public Notice DRAFT 184718_412222

Follow Up Flag: Follow up
Flag Status: Completed

Hi Kimberly,

Thank you for sending the draft public notice.

I have reviewed it and everything appears to be correct. I approve the draft as submitted.

Thank you,

Chris McAlee

832-390-9344

Sent from my iPhone

On Jul 22, 2026, at 9:10 AM, Kimberly Cunningham
<Kimberly.Cunningham@tceq.texas.gov> wrote:

Mr. McAlee,

Please send approval within **2 business days**.

The NORI is a legally approved document and only the items listed below are subject to approval/correction. Please review carefully and provide corrections including a revised application as needed:

1. Street address or driving directions to the facility
2. Hyperlink for the map to facility - please confirm the map shows the general vicinity location of the facility
3. Contaminant's list
4. Public viewing place (must be in the same county as the facility and may be required to have internet access)
5. Public Notice Technical Contact information
6. Big or small business status (Small businesses will not receive Example B)

Please do not publish until you receive an email containing an administratively complete letter and public notice package.

Your prompt assistance is appreciated.

Kimberly Cunningham
License & Permit Specialist
Air Permits Division, TCEQ
512-239-1114
Kimberly.Cunningham@tceq.texas.gov

<image001.png>

<Legacy Grove Public Notice DRAFT.docx>

Brooke T. Paup, *Chairwoman*
Catarina R. Gonzales, *Commissioner*
Tonya R. Miller, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 22, 2026

MR CHRISTOPHER G MCALEE
OWNER
LEGACY GROVE PET CREMATORY LLC
24703 MATHER DR
KATY TX 77494-6148

Re: Declaration of Administrative Completeness
Animal Carcass Incinerator Registration for an Air Quality Standard Permit
Air Quality Registration Number: 184718
Animal Carcass Incinerator
Houston, Harris County
Customer Reference Number: CN606538718
Regulated Entity Number: RN112491816

Dear Mr. McAlee:

The Texas Commission on Environmental Quality (TCEQ) has declared the above-referenced application, received on July 17, 2026, administratively complete on July 22, 2026.

You are now required to publish notice of your proposed activity no later than the 30th day after the executive director received the application, which is August 16, 2026. To help you meet the regulatory requirements associated with this notice, we have included the following items:

- Notice for Newspaper Publication
- Instructions for Public Notice
- Affidavits of Publication
- Notification List

Please note that it is very important that you follow all directions in the enclosed instructions. If you do not, you may be required to republish the notice. Some common errors are the unauthorized changing of notice wording or font, omission of air contaminants, and inaccurate plant site location information represented in the application. Additional information can be found at www.tceq.texas.gov/permitting/air/bilingual/how1_2_pn.html or **if you have any questions, please contact us before you proceed with publication.**

The following items and time limitations are also described in the enclosed instructions. However, due to their importance we want to highlight them for you. **The processing of your application may be delayed if these time limitations are not met.**

1. Publish the enclosed notice no later than the 30th day after the date the executive director received the application, which is August 16, 2026 (see this letter's first paragraph for the application received date).
2. You may also be required to publish notice in an alternate language (refer to the enclosed *Instructions for Public Notice*). The Spanish notice templates are available at:

Mr. Christopher G. McAlee
Page 2
July 22, 2026

Re: Registration: 184718

www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html

3. Ensure a copy of your application is provided to the TCEQ Regional Office that has oversight for the county in which you intend to operate your plant. This copy must be in place at the TCEQ Regional Office for the entire public comment period and be accessible to the public for review and copying.
4. Mail or email proof of publication of the notices, which show publication date and newspaper name, to the TCEQ Office of the Chief Clerk and mail copies to those on the enclosed *Notification List* within **10 business days** after the notice is published.
5. Return the *Affidavit of Publication for Air Permitting* (enclosed) and, if applicable, *Alternative Language Affidavit of Publication for Air Permitting* (enclosed) and the **Public Notice Verification (Form TCEQ-20546)** to the Office of the Chief Clerk and copies to those on the enclosed *Notification List* within **10 business days** after the notice is published in the newspaper. **The public notice verification form is available at www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html.**

If you do not comply with **all** requirements described in the instructions, the TCEQ cannot continue processing the application and may take other actions.

If you have any questions regarding publication requirements, please contact the Office of the Chief Clerk at (512) 239-3300. If you have any other questions, please contact Ms. Kimberly Cunningham at (512) 239-1114.

Sincerely,



Nancy Birdsong, Team Leader
Air Permits Initial Review Team
Air Permits Division
Texas Commission on Environmental Quality

Enclosure

cc: Senior Project Manager, Houston Department of Health and Human Services, Bureau of Pollution Control & Prevention, Houston
Executive Director, Harris County, Pollution Control Services, Pasadena
Air Section Manager, Region 12 - Houston

Project Number: 412222

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



NOTICE OF APPLICATION FOR AN AIR QUALITY STANDARD PERMIT FOR AN ANIMAL CARCASS INCINERATOR

PROPOSED AIR QUALITY REGISTRATION NUMBER 184718

APPLICATION. Legacy Grove Pet Crematory LLC, 24703 Mather Drive, Katy, Texas 77494-6148 has applied to the Texas Commission on Environmental Quality (TCEQ) for an Air Quality Standard Permit, Registration Number 184718, which would authorize construction of an animal carcass incinerator. The facility is proposed to be located at 5829 West Sam Houston Parkway North, Suite 203, Houston, Harris County, Texas 77041. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.565313,29.855822&level=13>. This application was submitted to the TCEQ on July 17, 2026. The primary function of this facility is to properly dispose of animal carcasses through incineration. The executive director has determined the application was administratively complete on July 22, 2026.

PUBLIC COMMENT. Public written comments about this application may be submitted at any time during the public comment period. The public comment period begins on the first date notice is published and extends to 30 days from the publication date. Public comments may be submitted either in writing to Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087, or electronically at www14.tceq.texas.gov/epic/eComment/. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record.

RESPONSE TO COMMENTS. A written response to all relevant comments will be prepared by the executive director after the comment period closes. The response, along with the executive director's decision on the application, will be mailed to everyone who submitted public comments and requested to be added to the mailing list. The response to comments will be posted in the permit file for viewing.

The executive director shall approve or deny the application not later than 30 days after the end of the public comment period, considering all comments received within the comment period, and base this decision on whether the application meets the requirements of the standard permit.

CENTRAL/REGIONAL OFFICE. The application will be available for viewing and copying at the TCEQ Central Office and the TCEQ Houston Regional Office, located at 5425 Polk Street, Suite H, Houston, Texas 77023-1452, during the hours of 8:00 a.m. to 5:00 p.m., Monday through Friday, beginning the first day of publication of this notice. The application, including any updates, is available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/air/airpermit-applications-notices>.

INFORMATION. For more information about the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040. You can also view our website for public participation opportunities at www.tceq.texas.gov/goto/participation.

Further information may also be obtained from Legacy Grove Pet Crematory LLC, 24703 Mather Drive, Katy, Texas 77494-6148, or by calling Mr. Michael Tricoche, Senior Electrical Engineer, Matthews Environmental Solutions at (407) 886-5533.

Notice Issuance Date: July 22, 2026

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



Instructions for Public Notice For Air Quality Standard Permit for Animal Carcass Incinerators

Notice of Application

Your application has been declared administratively complete and now you must comply with the following instructions:

Please Review Notice

We have included in the notice all of the information which we believe is necessary. Please read it carefully and notify us immediately if it contains any errors or omissions. You are responsible for ensuring the accuracy of all information published. You may not change the text of the notice without prior approval from the TCEQ.

Newspaper Notice

- You must publish the enclosed Notice of Application no later than the 30th day after the date the executive director received the application, which is August 16, 2026 (see this letter's first paragraph for the application received date).
- You must publish the enclosed Notice of Application at your expense, in a newspaper of general circulation in the municipality in which the facility is proposed to be located or in the municipality nearest to the proposed location of the facility.
- You must publish this notice in one issue of any applicable newspaper.
- You will find an example notice enclosed in this package. This example must be published in the "public notice" section of the newspaper.

Alternate Language Notice

In certain circumstances, applicants for air permits must complete notice in alternate languages.

- Public notice rules require the applicant to determine whether a bilingual program is required at either the elementary or middle school nearest to the proposed facility location. Bilingual education programs are determined on a district-wide basis. When students who are required to attend either school are eligible to be enrolled in a bilingual education program, some alternative language notice is required (newspaper notice).
- Since the school district, and not the schools, must provide the bilingual education program, these programs do not have to be located at the above-mentioned schools to trigger the alternative language notice requirement. If there are students who would normally attend the nearest schools, but are eligible to be taught in a bilingual education program at a different location, alternative language notice is required.
- If triggered, publication of alternative language notices must be made in a newspaper or publication printed primarily in each language taught in the bilingual education program. This

notice is required if such a newspaper or publication exists in the municipality or the county where the facility is or will be located.

- The applicant must demonstrate a good faith effort to identify a newspaper or publication in the required language. If a general circulation newspaper or publication printed in such language cannot be found, publishing in that language is not required. Publication in an alternative language section or insertion within a large publication which is not printed primarily in that alternative language does not satisfy these requirements.
- It is suggested the applicant work with the local school district for the following:
 - (a) Determine if a bilingual program is required in the district;
 - (b) Determine which language is required by the bilingual program;
 - (c) Locate the nearest elementary and middle schools; and
 - (d) Determine if any students attending either school are eligible to be enrolled in a bilingual educational program.

Proof of Publication

- You must submit proof of publication that shows the notice, the date of publication, and the name of the newspaper to the Office of the Chief Clerk within **10 business days** after the date of publication. Acceptable proofs of publication are 1) copies of the published notice or 2) the newspaper clippings of the published notice. If you choose to submit copies of the published notice to the Office of the Chief Clerk, copies must be on standard-size 8½" x 11" paper and must show the actual size of the published notice (do not reduce the image when making copies). Published notices longer than 11" must be copied onto multiple 8½" x 11" pages. Please note, submitting a copy of your published notice could result in faster processing of your application. It is recommended that you maintain newspaper clippings or tear sheets of the notice for your records.
- You must submit the **affidavits of publication** and the **Public Notice Verification Form (Form TCEQ-20546)** with the proof of publication described above to the Office of the Chief Clerk. **You must use the enclosed affidavit.** The affidavit must clearly identify the applicant's name and TCEQ Registration Number. **The public notice verification form is available at http://www.tceq.texas.gov/permitting/air/nav/air_publicnotice.html.**
- The **affidavits of publication and acceptable proof of publication of the published notices** should be emailed to PROOFS@tceq.texas.gov or mailed to:

Texas Commission on Environmental Quality
Office of the Chief Clerk, MC-105
Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Please ensure that the affidavits you send to the Chief Clerk have all blanks filled in correctly.

- **Photocopies of newspaper clippings, affidavits, and verification form must also** be sent to those listed on the enclosed *Notification List* within the deadlines specified above.

Failure to Publish and Submit Proof of Publication

You must meet all publication requirements. **If you fail to publish the notice or submit proof of publication, on time, the TCEQ may suspend further processing on your application or take other actions.**

Application at the Regional Office

- You must provide a copy of the administratively complete application to the appropriate regional office that has jurisdiction over the county in which the plant is to be located. The application must be available for review and copying by the public.
- The administratively complete application must be available beginning the first day of newspaper publication and remain available until the end of the public hearing, which is the length of the public comment period.
- If the application is submitted to the TCEQ with information marked as confidential, you are required to indicate which specific portions of the application are not being made available to the public. These portions of the application must be accompanied with the following statement: "Any request for portions of this application that are marked as confidential must be submitted in writing, pursuant to the Public Information Act, to Texas Commission on Environmental Quality, Public Information Coordinator, MC-197, P.O. Box 13087, Austin, Texas 78711-3087."

General Information

When contacting the Commission regarding this application, please refer to the Registration Number at the top of the Notice of Application.

If you wish to obtain an electronic copy, please contact the technical reviewer who assisted in the preparation of this public notice package. The electronic copy will consist of the example notice, the equivalent in Spanish (if applicable), and the instructions. The electronic version is available in Microsoft Word format only and can be requested once your application has been declared administratively complete.

If you have questions or need assistance regarding publication requirements, please contact the Office of the Chief Clerk at (512) 239-3300 or the technical reviewer listed in the cover letter.

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: Legacy Grove Pet Crematory LLC
Permit No.: 184718
Application Received Date: July 17, 2026

AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §

COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared

_____, who being by me duly sworn, deposes and says that (s)he is *(Name of Person Representing Newspaper)*

the _____ of the _____
(Title of Person Representing Newspaper) *(Name of the Newspaper)*

that said newspaper is generally circulated in _____, Texas;
(The municipality or nearest municipality to the location of the facility or the proposed facility)

that the enclosed notice was published in said newspaper on the following date(s):

(Newspaper Representative's Signature)

Subscribed and sworn to before me this the _____ day of _____, 20____
to certify which witness my hand and seal of office.

[Affix Seal]

Notary Public in and for the State of Texas

Print or Type Name of Notary Public

My Commission Expires

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: Legacy Grove Pet Crematory LLC
Permit No.: 184718
Application Received Date: July 17, 2026

ALTERNATIVE LANGUAGE AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared

_____, who being by me duly sworn, deposes and says that (s)he is (*Name of Person Representing Newspaper*)

the _____ of the _____;
(*Title of Person Representing Newspaper*) (*Name of the Newspaper*)

that said newspaper is generally circulated in _____, Texas;
(*The municipality or county in which the facility or proposed facility is located*)

that the enclosed notice was published in said newspaper on the following date(s):

(*Newspaper Representative's Signature*)

Subscribe and sworn to before me this the _____ day of _____, 20____
to certify which witness my hand and seal of office.

[Affix Seal]

Notary Public in and for the State of Texas

Print or Type Name of Notary Public

My Commission Expires

Notification List

It is the responsibility of the applicant to furnish the following offices with copies of the notices published, the *Affidavit of Publication for Air Permitting*, the *Alternative Language Affidavit of Publication for Air Permitting (if applicable)*, and a completed copy of the *Public Notice Verification Form (Form TCEQ-20546)*. Acceptable proof of publication and any affidavits and Form TCEQ-20546 should be emailed to PROOFS@tceq.texas.gov or mailed to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087.

Electronic copies should be submitted via email to the U.S. Environmental Protection Agency (EPA), **Region 6** at R6AirPermitsTX@EPA.gov. Please contact Ms. Aimee Wilson (wilson.aimee@epa.gov) at (214) 665-7596 if you have any questions pertaining to electronic submittals to the EPA.

Email copies to Ms. Clare Hubbell at Clare.Hubbell@tceq.texas.gov

Hard copies should be sent to the following:

Texas Commission on Environmental Quality
Houston Regional Office
5425 Polk Street, Suite H
Houston, Texas 77023-1452

Senior Project Manager
Houston Department of Health and Human Services
Bureau of Pollution Control & Prevention
7411 Park Place Boulevard
Houston, Texas 77087-4441

Executive Director
Harris County
Pollution Control Services
101 South Richey, Suite H
Pasadena, Texas 77506-

For TCEQ Use Only

**Permit Application Routing and Summary Sheet
Air Permits**

This sheet should accompany all notices to be processed by the office of the chief clerk on the left side of the file folder.

Name of applicant: Legacy Grove Pet Crematory LLC	
Facility/ Site name: Legacy Grove Pet Crematory	
TCEQ permit number: 184718	
Application received date: July 17, 2026	
Customer reference number: CN606538718	
Regulated entity number: RN112491816	
County: Harris	Region: 12
Local program 1: Houston	Local program 2: Harris
Permit type: Standard Permit Application	
Internal program routing	
Tech. team: Ms. Clare Hubbell	Phone no. (512) 239-1254
APIRT team leader: Nancy Birdsong	Date: July 22, 2026
Administratively reviewed by: Kimberly Cunningham	Phone no. (512) 239-1114
Administratively complete date: July 22, 2026	
Public viewing location must have internet access: ☐ Yes ☒ No	
Is 2nd public notice required: ☐ Yes ☒ No	
*Other	

For TCEQ Use Only

Applicant and Contact Information

This sheet should accompany all notices to be processed by the office of the chief clerk on the right side of the file folder.

Applicant's main contact and address to be shown on permit:	
Name/Title: Christopher G McAlee, Owner	
Company: Legacy Grove Pet Crematory LLC	
Street/Road: 24703 Mather Dr	
City/State/Zip: Katy, TX 77494-6148	
Telephone: (832) 390-9344	Fax:
Applicant's technical representative/ consultant:	
Name/Title: Michael Tricoche, Sr. Electrical Engineer	
Company: Matthews Environmental Solutions	
Street/Road: 2045 Sprint Blvd	
City/State/Zip: Apopka, FL 32703-7762	
Phone: (407) 886-5533	Fax: (407) 886-5990
Person responsible for publishing notice:	
Name/Title: Christopher G McAlee, Owner	
Company: Legacy Grove Pet Crematory LLC	
Street/Road: 24703 Mather Dr	
City/State/Zip: Katy, TX 77494-6148	
Telephone: (832) 390-9344	Fax:

Kimberly Cunningham

From: Chris McAlee <mcalee@att.net>
Sent: Monday, July 20, 2026 4:19 PM
To: Kimberly Cunningham
Subject: Re: Added Info Needed for 184718_412222 Legacy Grove Pet Crematory LLC
Attachments: 10400 CORE Data Form.pdf; Scaled plot plan.JPG; LEGACY GROVE PET CREMATORY LLC-Layout.pdf; PI-1S.pdf; Area Map.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Kimberly,

Thank you for your email.

Attached is the updated Core Data Form reflecting the shortened regulated entity name:

Legacy Grove Pet Crematory

Also, the confidential indicator on the attachment was checked in error. The attachment is **not confidential**, and no confidential business information is being claimed.

Please let me know if you need anything further.

Thank you,

Chris McAlee
Legacy Grove Pet Crematory LLC
832-390-9344

From: Kimberly Cunningham <Kimberly.Cunningham@tceq.texas.gov>
Sent: Monday, July 20, 2026 2:07 PM
To: MCALEE@ATT.NET <MCALEE@ATT.NET>
Subject: Added Info Needed for 184718_412222 Legacy Grove Pet Crematory LLC

Mr. McAlee,

I received your application for the above referenced facility, and it is currently under review.
CN 606538718
RN 112491816
Permit 184718

Within 2 business days,

- Choose a shorter Site Name.

- Complete the attached Core Data Form and return it to me.
The site name is too long. The limit is 60 characters.
LEGACY GROVE PET CREMATORY IEB-16 ANIMAL CARCASS INCINERATOR
- Clarify Confidential Information
 - The Confidential Indicator for the attachment has YES.
However, the actual document does not have **CONFIDENTIAL** on it.
Is it confidential?

Your prompt assistance is appreciated.

Kimberly Cunningham
License & Permit Specialist
Air Permits Division, TCEQ
512-239-1114
Kimberly.Cunningham@tceq.texas.gov





TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
☒ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
☐ Renewal (Core Data Form should be submitted with the renewal form)		☐ Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 606538718		RN 112491816

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
☒ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership			
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) If new Customer, enter previous Customer below:			
LEGACY GROVE PET CREMATORY LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
806543346	32105439734	421862700	
11. Type of Customer: ☐ Corporation		☐ Individual	
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		Partnership: ☐ General ☐ Limited	
☐ Sole Proprietorship		☐ Other:	
12. Number of Employees		13. Independently Owned and Operated?	
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher		☒ Yes ☐ No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:			
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant			
15. Mailing Address:			
24703 MATHER DR			
City: Katy State: TX ZIP: 77494 ZIP + 4:			
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		mcalee@att.net	

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(832) 390-9344		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)							
☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)							
Legacy Grove Pet Crematory							
23. Street Address of the Regulated Entity: (No PO Boxes)	5829 W SAM HOUSTON PKWY N STE 203						
	City	Houston	State	TX	ZIP	77041	ZIP + 4
24. County	HARRIS						

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:							
26. Nearest City					State	Nearest ZIP Code	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:		29.855822			28. Longitude (W) In Decimal:		-95.565313
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)		30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)	
6553				812220			
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
Pet memorial aftercare facility							
34. Mailing Address:	5829 W SAM HOUSTON PKWY N STE 203						
	City	Houston	State	TX	ZIP	77041	ZIP + 4
35. E-Mail Address:	info@legacygrovepets.com						
36. Telephone Number		37. Extension or Code		38. Fax Number (if applicable)			
(832) 390-9344				() -			

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

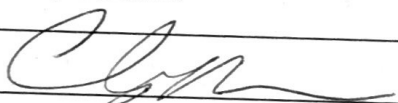
☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☒ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Christopher G. McAlee		41. Title:	Owner
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(832) 390-9344		() -	info@legacygrovepets.com	

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	LEGACY GROVE PET CREMATORY LLC		Job Title:	Owner
Name (In Print):	Christopher G. McAlee		Phone:	(832) 390- 9344
Signature:			Date:	7/20/2026

Form PI-1S
Registrations for Air Standard Permit
(Page 1)
Texas Commission on Environmental Quality

I. Registrant Information	
A.	Company or Other Legal Customer Name: LEGACY GROVE PET CREMATORY LLC
B.	Company Official Contact Information: ☒ Mr. ☐ Mrs. ☐ Ms. ☐ Other: _____
Name: Christopher G McAlee	
Title: Owner	
Mailing Address: 24703 Mather Dr	
City: Katy	
State: TX	
ZIP Code: 77494	
Telephone Number: 832-390-9344	
Fax Number:	
Email Address: mcalee@att.net	
<i>All permit correspondence will be sent via email.</i>	
C.	Technical Contact Information ☒ Mr. ☐ Mrs. ☐ Ms. ☐ Other: _____
Name: Michael Tricoche	
Title: Sr. Electrical Engineer	
Company Name: Matthews Environmental Solutions	
Mailing Address: 2045 Sprint Blvd	
City: Apopka	
State: FL	
ZIP Code: 32703	

Form PI-1S
Registrations for Air Standard Permit
(Page 2)
Texas Commission on Environmental Quality

I. Registrant Information (continued)
C. Technical Contact Information (continued)
Telephone Number: 407-886-5533
Fax Number: 407-886-5990
Email Address: mtricoche@matw.com
II. Facility and Site Information
A. Name and Type of Facility
Facility Name: Legacy Grove Pet Crematory IEB-16 Animal Carcass Incinerator
Type of Facility:
☒ Permanent
☐ Temporary
For portable units, please provide the serial number of the equipment being authorized below.
Serial No(s):
B. Facility Location Information
Street Address: 5829 W Sam Houston Pkwy N Ste 203
If there is no street address, provide written driving directions to the site and provide the closest city or town, county, and ZIP code for the site (attach description if additional space is needed).
City: Houston
County: Harris
ZIP Code: 77041
C. Core Data Form (required for Standard Permits 6006, 6007, and 6013).
Is the Core Data Form (TCEQ Form 10400) attached?
☐ Yes ☒ No
Customer Reference Number (CN):
Regulated Entity Number (RN):
D. TCEQ Account Identification Number (if known): N/A - New site

Form PI-1S
Registrations for Air Standard Permit
(Page 3)
Texas Commission on Environmental Quality

II. Facility and Site Information (continued)
E. Type of Action ☒ Initial Application ☐ Change to Registration ☐ Renewal ☐ Renewal Certification
For Change to Registration, Renewal, or Renewal Certification actions provide the following:
Registration Number: N/A
Expiration Date: N/A
F. Standard Permit Claimed: 6009 - Animal Carcass Incinerators
G. Previous Standard Exemption or PBR Registration Number:
Is this authorization for a change to an existing facility previously authorized under a standard exemption or PBR? ☐ Yes ☒ No
If "Yes," enter previous standard exemption number(s) and PBR registration number(s) and associated effective date in the spaces provided below.
Standard Exemption Number(s): N/A
PBR Registration Number(s): N/A
H. Other Facilities at this Site Authorized by Standard Exemption, PBR, or Standard Permit
Are there any other facilities at this site that are authorized by an Air Standard Exemption, PBR, or Standard Permit? ☐ Yes ☒ No
If "Yes," enter standard exemption number(s), PBR registration number(s), Standard Permit Registration Number(s), and associated effective date in the spaces provided below.
Standard Exemption Number(s): N/A
PBR Registration Number(s): N/A
Standard Permit Registration Number(s): N/A

Form PI-1S
Registrations for Air Standard Permit
(Page 4)
Texas Commission on Environmental Quality

II. Facility and Site Information (continued)

I. Other Air Preconstruction Permits

Are there any other air preconstruction permits at this site?

☐ Yes ☒ No

If "Yes," enter permit number(s) in the spaces provided below.

N/A

J. Affected Air Preconstruction Permits

Does the standard permit directly affect any permitted facility?

☐ Yes ☒ No

If "Yes," enter permit number(s) in the spaces provided below.

N/A

K. Federal Operating Permit (FOP) Requirements

Is this facility located at a site that is required to obtain a FOP pursuant to 30 TAC Chapter 122?

☐ Yes ☒ No ☐ To Be Determined

Check the requirements of 30 TAC Chapter 122 that will be triggered if this standard permit is approved (check all that apply).

- ☐ Initial Application for a FOP
- ☐ Significant Revision for a SOP
- ☐ Minor Revision for a SOP
- ☐ Operational Flexibility/Off Permit Notification for a SOP
- ☐ Revision for a GOP
- ☐ To be Determined
- ☒ None

Identify the type(s) of FOP issued and/or FOP application(s) submitted/pending for the site. (check all that apply)

- ☐ SOP
- ☐ SOP application/revision (submitted or under APD review)
- ☐ GOP
- ☐ GOP application/revision (submitted or under APD review)
- ☒ N/A

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III. Fee Information (go to www.tceq.texas.gov/epay to pay online)
A. Fee Amount: \$900.00
B. Voucher number from ePay:
IV. Public Notice (if applicable)
A. Responsible Person
☒ Mr.
☐ Mrs.
☐ Ms.
☐ Other: _____
Name: Christopher G McAlee
Title: Owner
Company: LEGACY GROVE PET CREMATORY LLC
Mailing Address: 24703 Mather Dr
City: Katy
State: TX
ZIP Code: 77494
Telephone No.: 832-390-9344
Fax No.:
Email Address: mcalee@att.net
B. Technical Contact
☒ Mr.
☐ Mrs.
☐ Ms.
☐ Other: _____
Name: Michael Tricoche
Title: Sr. Electrical Engineer
Company: Matthews Environmental Solutions
Mailing Address: 2045 Sprint Blvd
City: Apopka
State: FL
ZIP Code: 32703

Form PI-1S
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(Page 6)
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IV. Public Notice (if applicable)
B. Technical Contact
Telephone Number: 407-886-5533
Fax Number: 407-886-5990
Email Address: mtricoche@matw.com
C. Bilingual Notice
Is a bilingual program required by the Texas Education Code in the School District? ☒ Yes ☐ No
Are the children who attend either the elementary school or the middle school closest to your facility eligible to be enrolled in a bilingual program provided by the district? ☒ Yes ☐ No
If "Yes," list which language(s) are required by the bilingual program below? Language(s): <u>Spanish</u>
Language(s): _____
D. Small Business Classification and Alternate Public Notice
Does this company (including parent companies and subsidiary companies) have fewer than 100 employees or less than \$6 million in annual gross receipts? ☒ Yes ☐ No
Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program? ☐ Yes ☒ No
Are the site emissions of any individual regulated air contaminant equal to or greater than 50 tpy? ☐ Yes ☒ No
Are the site emissions of all regulated air contaminant combined equal to or greater than 75 tpy? ☐ Yes ☒ No

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Registrations for Air Standard Permit
(Page 7)
Texas Commission on Environmental Quality

V.	Renewal Certification Option <i>N/A - Initial Application</i>
A.	Does the permitted facility emit an air contaminant on the Air Pollutant Watch List, and is the permitted facility located in an area on the watch list? ☐ Yes ☐ No
B.	For facilities participating in the Houston/Galveston/Brazoria area (HGB) cap and trade program for highly reactive VOCs (HRVOCs), do the HRVOCs need to be speciated on the maximum allowable emission rates table (MAERT)? ☐ Yes ☐ No
C.	Does the company and/or site have an unsatisfactory compliance history? ☐ Yes ☐ No
D.	Are there any applications currently under review for this standard permit registration? ☐ Yes ☐ No
E.	Are scheduled maintenance, startup, or shutdown emissions required to be included in the standard permit registration at this time? ☐ Yes ☐ No
F.	Are any of the following actions being requested at the time of renewal: ☐ Yes ☐ No
1.	Are there any facilities that have been permanently shut down that are proposed to be removed from the standard permit registration? ☐ Yes ☐ No
2.	Do changes need to be made to the standard permit registration in order to remain in compliance? ☐ Yes ☐ No
3.	Are sources or facilities that have always been present and represented, but never identified in the standard permit registration, proposed to be included with this renewal? ☐ Yes ☐ No
4.	Are there any changes to the current emission rates table being proposed? ☐ Yes ☐ No
<i>Note: If answers to all of the questions in Section V. Renewal Certification Option are "No," use the certification option and skip to Section VII. of this form. If the answers to any of the questions in Section V. Renewal Certification Option are "Yes," the certification option cannot be used.</i>	
*If notice is applicable and comments are received in response to the public notice, the application does not qualify for the renewal certification option.	

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(Page 8)
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VI. Technical Information Including State and Federal Regulatory Requirements

Place a check next to the appropriate box to indicate what you have included in your submittal.

Note: Any technical or essential information needed to confirm that facilities are meeting the requirements of the standard permit must be provided. Not providing key information could result in an automatic deficiency and voiding of the project.

A. Standard Permit requirements

(Checklists are optional; however, your review will go faster if you provide applicable checklists.)

Did you demonstrate that the general requirements in 30 TAC §§116.610 and 116.615 are met?

☒ Yes ☐ No

Did you demonstrate that the individual requirements of the specific standard permit are met?

☒ Yes ☐ No

B. Confidential Information (All pages properly marked "CONFIDENTIAL").

☒ Yes ☐ No

C. Process Flow Diagram.

☒ Yes ☐ No

D. Process Description.

☒ Yes ☐ No

E. Maximum Emissions Data and Calculations.

☒ Yes ☐ No

F. Plot Plan.

☒ Yes ☐ No

G. Projected Start of Construction Date, Start of Operation Date, and Length of Time at Site:

☒ Yes ☐ No

Projected Start of Construction (provide date): 09/20/2026

Projected Start of Operation (provide date): 10/01/2026

Length of Time at the Site: Permanent (ongoing)

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Texas Commission on Environmental Quality

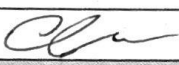
VII. Delinquent Fees and Penalties

This form **will not be processed** until all delinquent fees and/or penalties owed to TCEQ or the Office of the Attorney General on behalf of TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ website at:
www.tceq.texas.gov/agency/financial/fees/delin/index.html

VIII. Signature Requirements

The signature below confirms that I have knowledge of the facts included in this application and that these facts are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7; the Texas Health and Safety Code (THSC), Chapter 382, the Texas Clean Air Act (TCAA) the air quality rules of the Texas Commission on Environmental Quality; or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements. The signature further signifies awareness that intentionally or knowingly making or causing to be made false material statements or representations in the application is a criminal offense subject to criminal penalties.

Name (printed): Christopher G McAlee

Signature (original signature required):  7/16/2026

IX. Copies of the Registration

The Form PI-1S application must be submitted through ePermits. No additional copies need to be sent to the Regional Office or local Air Pollution Control Program(s). The link to ePermits can be found here:
www3.tceq.texas.gov/steers/

Print Form

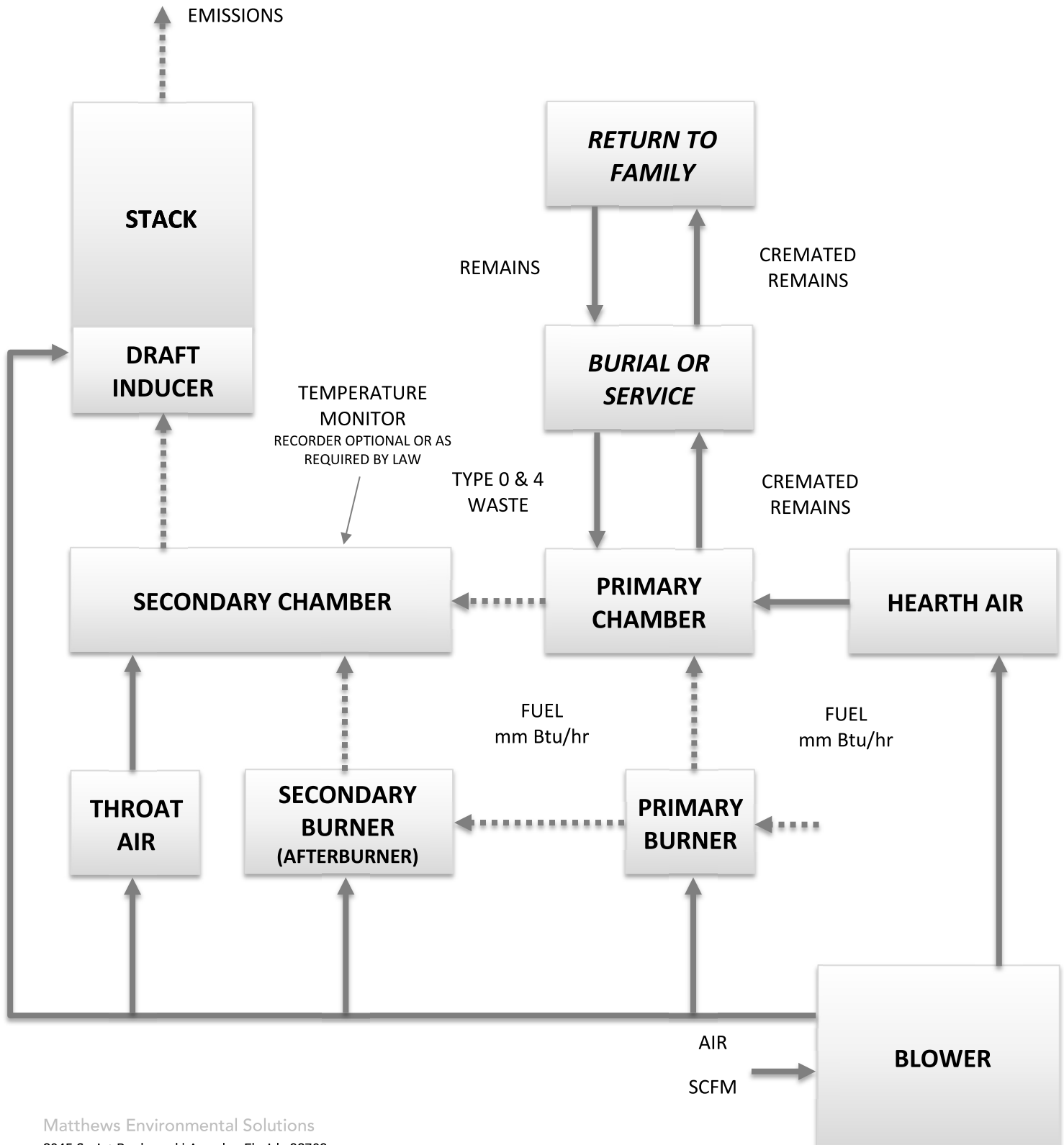
Reset Form

Process Description

Only pet remains and associated container are incinerated in the IEB-16 pet cremation unit. Each load is weighed by scale prior to cremation. Maximum design burn rate of the cremation unit is 100 lbs/hr and it will be operated at a burn rate of 100 lbs/hr.

The cremation unit is of dual chamber unit that can be fueled by either Natural Gas or LP Gas. The secondary chamber of each unit are preheated to 1600 °F. Once the secondary chamber has preheated, the remains are loaded into the primary chamber for cremation. The temperature in the secondary chamber is continuously monitored and recorded while the cremation unit is in operation. The cremation unit comes equipped with an opacity monitor on the stack which during the operation of the unit will monitor the opacity on the exhaust gases.

The cremation unit will not have any emissions during maintenance and shutdown. Startup emissions would be similar to normal operation emissions.



Matthews Environmental Solutions
2045 Sprint Boulevard | Apopka, Florida 32703
O: 407-886-5533 | F: 407-886-5990 | www.matthewsenviromentalsolutions.com

SPECIFICATIONS- Model IEB Series 16

1. Equipment Type..... Model IEB Series 16
 - A. Model No. IE43-IEB 16
 - B. Underwriters Laboratories Listing and File No. .. MH14647
2. Dimensions
 - A. Footprint 8' – 8 ½" x 6' -8" (2.65 m x 2.03 m)
 - B. Maximum Length..... 10' – 10" (3.30 m)
 - C. Maximum Width 6' -5" (1.96 m)
 - D. Maximum Height..... 8' - 4" (2.54 m)
 - E. Chamber Loading Opening 25 ¾" H x 39 ½" W (654 mm x 1.00 m)
3. Weight 18,000 lbs. (8,165 kg)
4. Utility/Air Requirements
 - A. Gross Gas Input, Natural or LP Gas..... 2,000,000 BTU/hr. (2,110,112 kJ/h)
 - Running Gas Pressure, Natural Gas..... 11 inches (279.4 mm) water column or greater
 - Running Gas Pressure, LP Gas 11 inches (279.4 mm) water column or greater
 - B. Electrical Supply..... 230 volt, 3Ø or 1Ø, and 115 volt, 50/60 hz (other available)
 - C. Air Supply..... 2,500 cfm (70.8 standard m³/min)
5. Incineration Capacity 100 lbs./hr. (45.4 kg/h)
6. Typical Loading Capacity of Waste Types..... 300 lbs. (136 kg)
7. Construction and Safety Standards..... Incineration Institute of America, Underwriters Laboratories, Canadian Standards Association
8. Steel Structure Construction
 - A. Frame 2" (51 mm) square tubing
 - B. Front/Rear Plates 3/8" (9.5 mm) plate
 - C. Floor Plates..... 3/16" (5 mm) plate
 - D. Outer Side Casing..... 12 gauge (3 mm) plate
 - E. Inner Side Casing..... 12 gauge (3 mm) plate
9. Stack Construction
 - A. Inner Wall..... 3" (76 mm) insulating firebrick or castable
 - B. Outer Wall..... 12 gauge (3 mm) sheet, 304 s.s., welded seams (unlined stack available)
10. Draft Nozzle Construction Schedule 40 type 316 s.s. pipe, welded connections
11. Main Chamber Door Construction
 - A. Steel Shell..... 3/16" (5 mm) steel, welded with reinforcement
 - B. Outer Refractory..... 1" (25 mm) insulating block
 - C. Inner Refractory 4½" (110 mm) insulating firebrick

SPECIFICATIONS- Model IEB Series 16

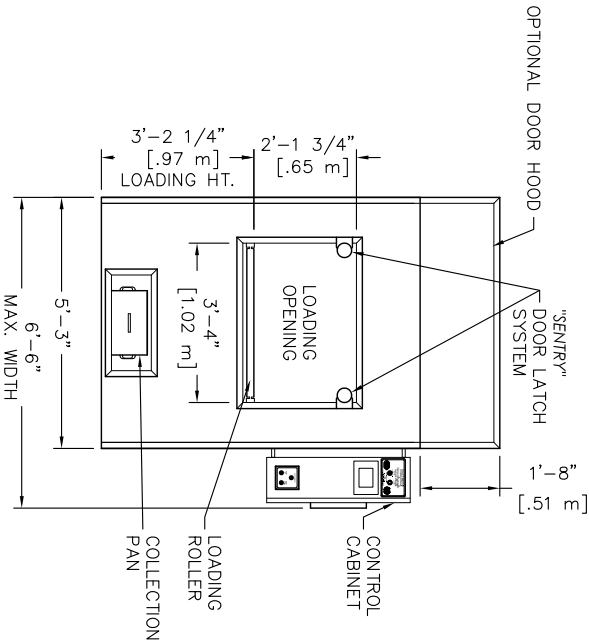
12. Primary Chamber Wall Construction
 - A. Outer Casing Wall 12 gauge (3 mm) sheet
 - B. Inner Frame/Air Compartment..... 2" (51 mm) air compartment
 - C. Inner Casing Wall..... 12 gauge (3 mm) sheet
 - D. Outer Refractory Wall..... 5" (127 mm) insulating block
 - E. Inner Refractory Wall 4½" (114 mm) firebrick
13. Secondary Chamber Wall Construction
 - A. Outer Casing Wall 12 gauge (3 mm) sheet
 - B. Inner Frame/Air Compartment..... 2" (51 mm) air compartment
 - C. Inner Casing Wall..... 12 gauge (3 mm) sheet
 - D. Outer Refractory Wall..... 6" (152 mm) insulating block
 - E. Inner Refractory Wall 4½" (114 mm) firebrick
14. Refractory Temperature Ratings
 - A. Standard Firebrick..... 3,100° F. (1704° C)
 - B. Insulating Firebrick 2,600° F. (1427° C)
 - C. Castable Refractory (Hearth)..... 2,550° F. (1399° C)
 - D. Castable Refractory 2,550° F. (1399° C)
 - E. Insulating Block 1,900° F. (1038° C)
 - F. Bonding Mortar 3,200° F. (1760° C)
15. Chamber Volumes (not including external flues, stacks or chimneys)
 - A. Primary Chamber 33 cubic feet (0.93 m³)
 - B. Secondary Chamber 52 cubic feet (1.47 m³)
16. Emission Control Features
 - A. Secondary Chamber with Afterburner Included
 - B. Opacity Monitor and Controller with Visual and Audible Alarms Included
 - C. Auxiliary Air Control System Included
 - D. Microprocessor Temperature Control System Included
17. Operating Temperatures
 - A. Primary Chamber 32° F. - 1,800° F. (0° C - 982° C)
 - B. Secondary Chamber 1,400° F. - 1,800° F. (760°C - 982°C)
(as required by Env. agency)
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 Optional
 - B. Low Gas Pressure..... Optional
 - C. Blower Air Pressure Included

SPECIFICATIONS- Model IEB Series 16

- | | |
|---|---|
| D. Door Position | Included |
| E. Opacity | Included |
| F. Motor Starter Function..... | Included |
| G. Chamber Temperature | Included |
| H. Motor Overload | Included |
| I. Flame Quality | Included |
| J. Burner Safe Start | Included |
| K. Cremation Burner/Door Interlock..... | Available upon Env. Agency requirements |
-
- | | |
|---|--|
| 21. Burner Description | The nozzle mix burners used on this cremation equipment are industrial quality and designed for incinerator use. |
| 22. 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. |
| 23. Operating Panel Indicators | |
| A. Safe Run | Included |
| B. Door Closed | Included |
| C. Pollution Alarm | Included |
| D. Afterburner On (Secondary Burner)..... | Included |
| E. Cremation Burner On | Included |
| F. Low Fire Cremation Burner On..... | Included |
| G. Afterburner (Secondary Burner) Reset | Included |
| H. Cremation Burner Reset..... | Included |
| I. Hearth Air | Included |
| J. Throat Air Off | Included |
| 24. Automatic Timer Functions | |
| A. Master Cycle | Included |
| B. Afterburner (Secondary Burner) | Included |
| C. Cremation Burner | Included |
| D. Low Fire Cremation Burner | Included |
| E. Hearth Air | Included |
| F. Throat Air | Included |
| G. Pollution Monitoring | Included |
| H. Afterburner (Secondary Burner) Prepurge..... | Included |
| I. Cremation Burner Prepurge | Included |
| J. Cool Down | Included |
| 25. Exterior Finish | |
| A. Primer | 2 coats rust inhibiting |
| B. Finish | 2 coats textured finish |

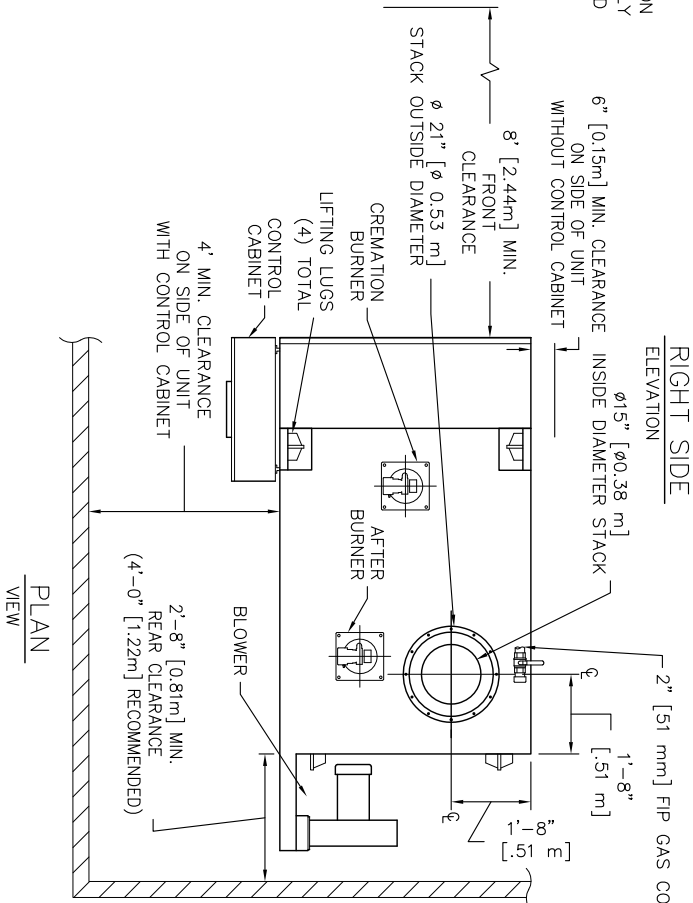
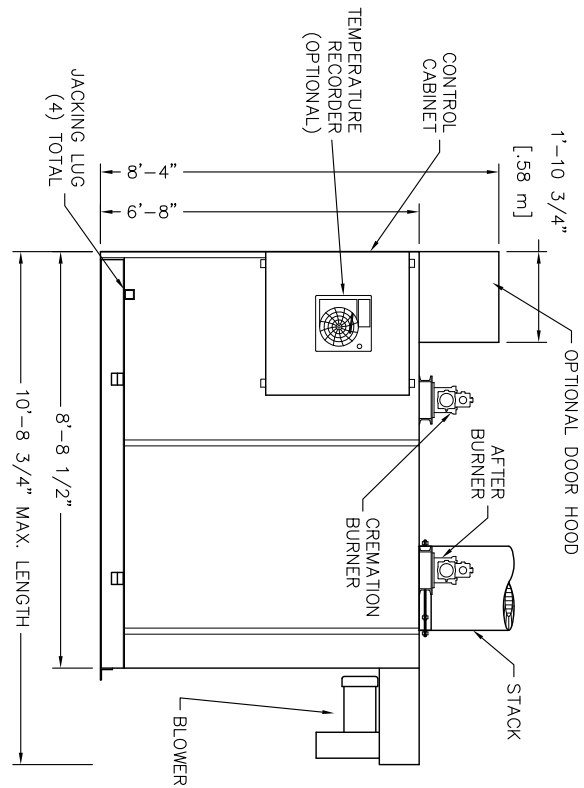
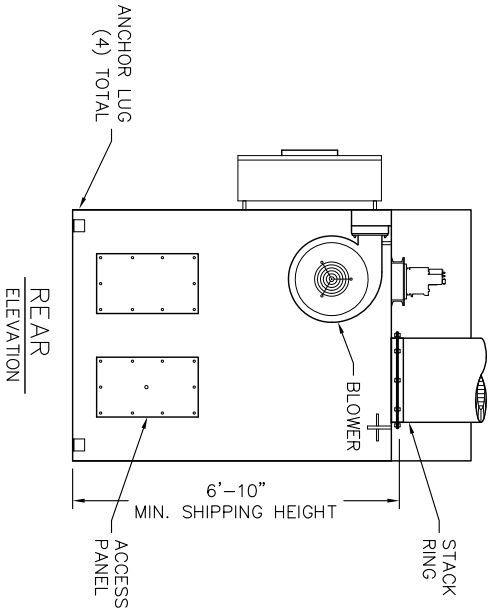
SPECIFICATIONS- Model IEB Series 16

26. 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.
27. Environmental Submittals Complete technical portion of state environmental permits. Engineering calculations, technical data, existing stack test results and equipment blueprints provided.



NOTES:

- 1) CONTROL CABINET CAN BE MOUNTED ON THE LEFT OR RIGHT SIDE, OR REMOTELY
- 2) MAIN ELECTRICAL CONNECTION LOCATED IN CONTROL CABINET
- 3) CHAMBER WIDTH IS 39" [0.99m]
- 4) STACK CAN BE LOCATED ON THE BACK LEFT OR BACK RIGHT OF UNIT



Matthews

ENVIRONMENTAL SOLUTIONS

2045 Sprint Boulevard
Apopka, Florida 32703
USA

IEB-16

PLANS & ELEVATIONS INCL: CLEARANCES,
REQUIREMENTS & RECOMMENDATIONS

DRAWN BY:	SC	DATE:	6-22-18	REVISION:	
APPROVED BY:	-	DATE:	-		
SCALE:	1/4" = 1'-0"	SHEET:	- OF: -		
DWG FILE:	-				
DWG NUMBER:	Std. Flow RHPanel				

CREMATOR CLEARANCES

RECOMMENDED MINIMUM

TOP:	2 FEET	[610 mm]	6 INCHES	[152 mm]
CABINET SIDE:	4 FEET	[1,22 m]	4 FEET	[1,22 m]
OTHER SIDE:	2 FEET	[610 mm]	6 INCHES	[152 mm]
FRONT:	9 FEET	[2,74 m]	8 FEET	[2,44 m]
REAR:	4 FEET	[1,22 m]	32 INCHES	[812 mm]
STACK:	6 INCHES	[152 mm]	6 INCHES	[152 mm]

1. FOR CLEARANCES OTHER THAN THOSE SHOWN, OR FOR SPECIAL REQUIREMENTS, CONSULT YOUR MES. 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 VIEW, SHEET 1).

CREMATOR REQUIREMENTS

FUEL: A PRESSURE REGULATOR ADJUSTABLE TO 11" [279 mm] W.C. FOR NATURAL GAS, OR 11" [279 mm] W.C. FOR LP GAS.

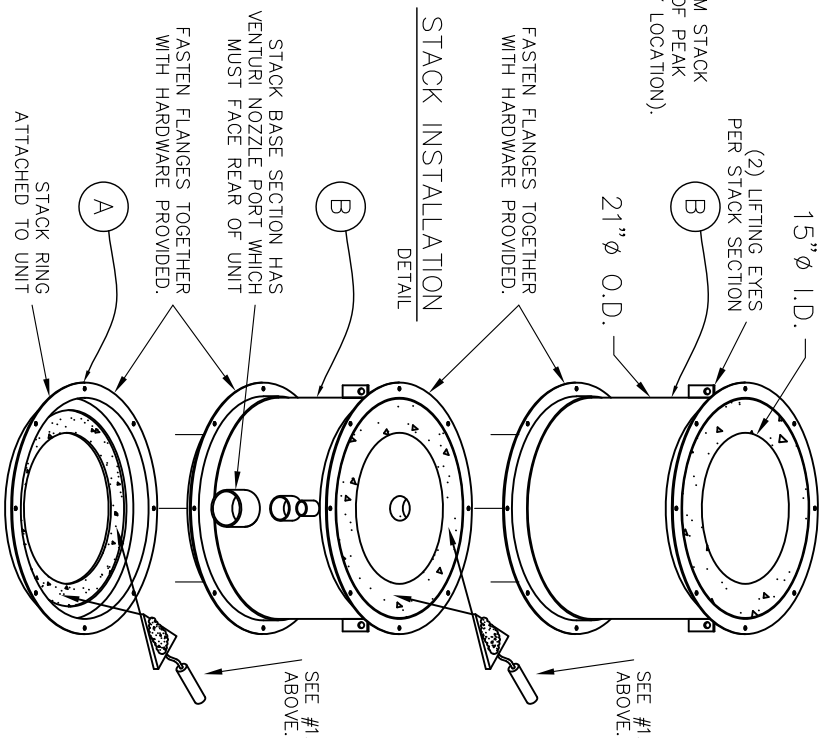
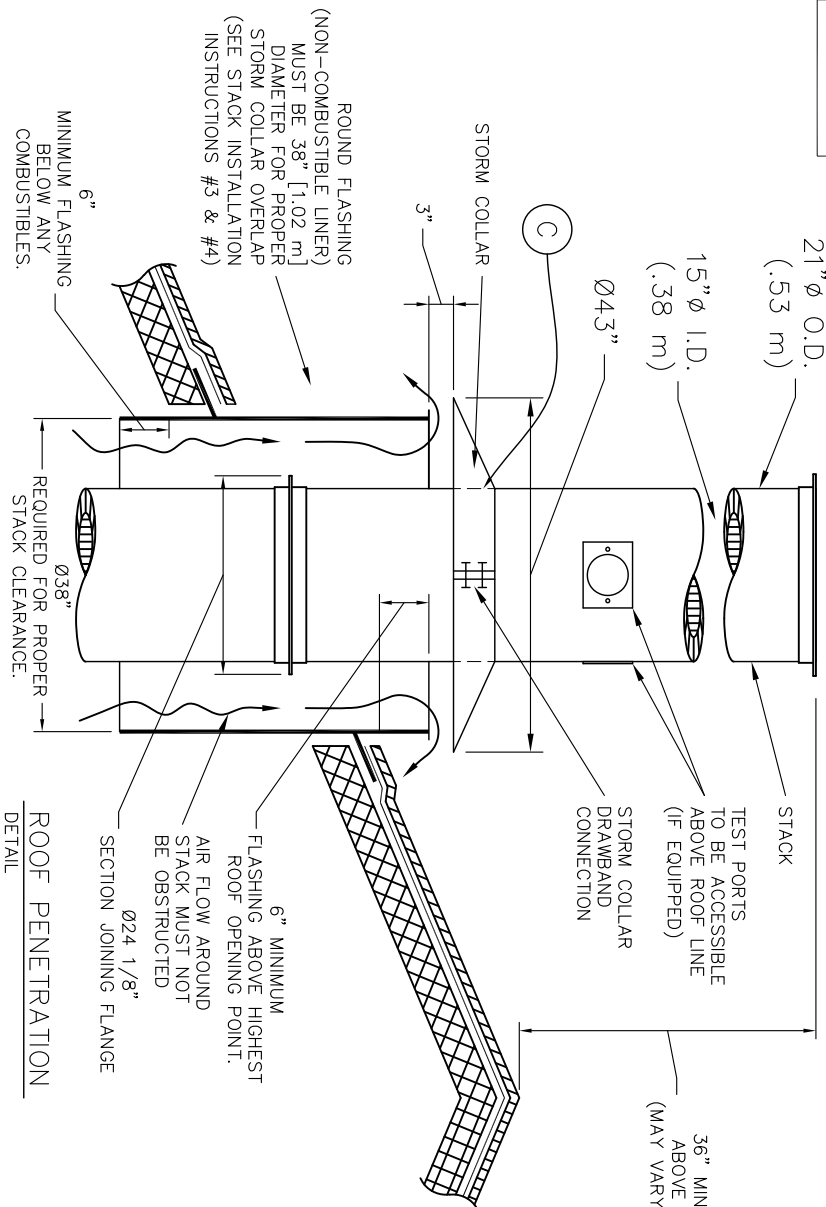
CAPACITY: RANGES FROM 2.0 TO 3.0 MILLION BTU/HR [2.1 TO 3.1 MILLION KILOJOULES/HR] DEPENDING UPON AMOUNT OF BURNERS.

ELECTRICAL: 230 VOLT, 3 ϕ , (40A BREAKER) AND 115v (10A BREAKER), OR 230 VOLT, 1 ϕ , (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].

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" [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 MES) TO THE JOINT BETWEEN THE STORM COLLAR (C) AND THE STACK (B).
4. STORM COLLAR IS FURNISHED BY MES. 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 MES. REP.
6. RAIN CAP NOT REQUIRED.



Matthews

ENVIRONMENTAL SOLUTIONS
2045 Sprint Boulevard
Apopka, Florida 32703
USA

IEB-16

STACK DETAILS, CLEARANCES &
INSTALLATION INSTRUCTIONS.
REFRACTORY STACK DETAIL

DRAWN BY:	JG	DATE:	05.22.2011	REVISION:	
APPROVED BY:	-	DATE:	-	1	1/22/20
SCALE:	1/2" = 1'-0"	SHEET:	OF:		
DWG FILE:					
DWG NUMBER:	09-006				

Calculation Of Emissions Estimated Emission Calculation

Matthews Environmental Solutions
Crematory Incinerator Model IEB-16

Total Incinerator Burn Capacity: 100 lb/hr of remains (type 4) and associated containers (type 0)
 Flue gas flow rate = 1100 dscfm 12 Hours/Day X 6 Days/Week X 52 Weeks/Year
 = 3744 Hours/Year

Total Emission Rate = Incinerator Burn Rate X Emission Factor

Sulfur Dioxide (SO₂)

$$\begin{array}{rcl} \frac{100 \text{ lb/hr} \times 2.17 \text{ lb/ton} \times 1 \text{ ton}}{2000 \text{ lbs}} & = & 0.109 \text{ lb/hr} \\ & = & 0.20311 \text{ TPY} \\ \frac{0.1085 \text{ lb/hr} \times 4.54\text{E}+05 \text{ mg/lb} \times 1 \text{ ppmv}}{1100 \text{ dscfm} \times 60 \text{ min/hr} \times 0.0283 \text{ m}^3/\text{ft}^3 \times 2.61 \text{ mg/m}^3} & = & 10.10 \text{ ppmv} \end{array}$$

Nitrogen Oxide (NO_x - as Nitrogen Dioxide)

$$\begin{array}{rcl} \frac{100 \text{ lb/hr} \times 3.56 \text{ lb/ton} \times 1 \text{ ton}}{2000 \text{ lbs}} & = & 0.178 \text{ lb/hr} \\ & = & 0.33322 \text{ TPY} \\ \frac{0.178 \text{ lb/hr} \times 4.54\text{E}+05 \text{ mg/lb} \times 1 \text{ ppmv}}{1100 \text{ dscfm} \times 60 \text{ min/hr} \times 0.028 \text{ m}^3/\text{ft}^3 \times 1.88 \text{ mg/m}^3} & = & 23.26 \text{ ppmv} \end{array}$$

Hydrocarbons (TOC/VOC - methane)

$$\begin{array}{rcl} \frac{100 \text{ lb/hr} \times 2.99\text{E}-01 \text{ lb/ton} \times 1 \text{ ton}}{2000 \text{ lbs}} & = & 0.01495 \text{ lb/hr} \\ & = & 0.02799 \text{ TPY} \\ \frac{0.01495 \text{ lb/hr} \times 4.54\text{E}+05 \text{ mg/lb} \times 1 \text{ ppmv}}{1100 \text{ dscfm} \times 60 \text{ min/hr} \times 0.0283 \text{ m}^3/\text{ft}^3 \times 0.65 \text{ mg/m}^3} & = & 5.59 \text{ ppmv} \end{array}$$

Particulates (PM & PM₁₀)

$$\begin{array}{rcl} \frac{100 \text{ lb/hr} \times 4.67 \text{ lb/ton} \times 1 \text{ ton}}{2000 \text{ lbs}} & = & 0.2335 \text{ lb/hr} \\ & = & 0.43711 \text{ TPY} \\ \frac{0.2335 \text{ lb/hr} \times 7.00\text{E}+03 \text{ gr/lb} \times 1 \text{ ppmv}}{1100 \text{ dscfm} \times 60 \text{ min/hr}} & = & 0.02 \text{ gr/dscf} \end{array}$$

Carbon Monoxide (CO)

$$\begin{array}{rcl} \frac{100 \text{ lb/hr} \times 2.95 \text{ lb/ton} \times 1 \text{ ton}}{2000 \text{ lbs}} & = & 0.1475 \text{ lb/hr} \\ & = & 0.27612 \text{ TPY} \\ \frac{0.1475 \text{ lb/hr} \times 4.54\text{E}+05 \text{ mg/lb} \times 1 \text{ ppmv}}{1100 \text{ dscfm} \times 60 \text{ min/hr} \times 0.028 \text{ m}^3/\text{ft}^3 \times 1.14 \text{ mg/m}^3} & = & 31.79 \text{ ppmv} \end{array}$$

Notes:

1. Incinerator Emissions based on EPA emissions from Table 2.3-1 and 2.3-2 of AP-42 (5th Edition)
2. All conversion factors from AP-42 Appendix A.

CREMATOR MASS BALANCE
Matthews Environmental Solutions
IEB-16

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.

WASTE TYPE	TYPE 0	TYPE 4
BTU PER POUND	8500	1000
POUND ASH PER POUND WASTE	0.05	0.05
POUND MOISTURE PER POUND WASTE	0.1	0.85
POUND COMBUSTIBLES PER POUND WASTE	0.85	0.1
HOURLY CONSUMPTION OF WASTE (LBS)	10	90

1. MASS OF PRODUCTS OF COMBUSTION FROM CONTAINER

A. COMBUSTION AIR

$$\frac{8500 \text{ BTU/LB}}{100 \text{ BTU/CF OF AIR}^*} \times 0.075 \text{ LB/CF OF AIR} = 6.38 \text{ LB/LB BURNED}$$

B. COMBUSTIBLES AND WATER VAPOR

$$\text{FROM CHART ABOVE} = 0.95 \text{ LB/LB BURNED}$$

C. TOTAL FLUE PRODUCT MASS PER LB BURNED

$$= 7.33 \text{ LB/LB BURNED}$$

2. MASS OF PRODUCTS OF COMBUSTION FROM BODY

A. COMBUSTION AIR

$$\frac{1000 \text{ BTU/LB}}{100 \text{ BTU/CF OF AIR}^*} \times 0.075 \text{ LB/CF OF AIR} = 0.75 \text{ LB/LB BURNED}$$

B. COMBUSTIBLES AND WATER VAPOR

$$\text{FROM CHART ABOVE} = 0.95 \text{ LB/LB BURNED}$$

C. TOTAL FLUE PRODUCT MASS PER LB BURNED

$$= 1.70 \text{ LB/LB BURNED}$$

SPECIFICATIONS	
PRIMARY BURNER FUEL CONSUMPTION (MMBTU/HR)	0.6
SECONDARY BURNER FUEL CONSUMPTION (MMBTU/HR)	1.2
ADDITIONAL SECONDARY AIR SUPPLIED (CFM)	200
SEC. CHAMBER OPERATING TEMPERATURE (°F)	1600
SECONDARY CHAMBER VOLUME (CU. FT)	52
SEC. CHAMB. CROSS-SECTIONAL AREA (SQ. FT)	2.44
FLAME PORT AREA (SQ. FT)	2.95
MIXING BAFFLES AREA (SQ. FT)	1.36

*AIR AT STANDARD CONDITIONS

3. TOTAL FLUE PRODUCTS

A. MAXIMUM PRIMARY BURNER GAS USAGE

$$600000 \text{ BTU/HR} \times 4.8\text{E-}05 \text{ LBS/BTU} = 28.8 \text{ LBS/HR}$$

B. COMBUSTION AIR FOR PRIMARY BURNER

$$\frac{600000 \text{ BTU/HR}}{100 \text{ BTU/CF AIR}} \times \frac{1}{\text{Burner}} \times 0.075 \text{ LB/CF AIR} = 450 \text{ LBS/HR}$$

C. MAXIMUM SECONDARY BURNER GAS USAGE

$$1200000 \text{ BTU/HR} \times 4.8\text{E-}05 \text{ LBS/BTU} = 58 \text{ LBS/HOUR}$$

D. COMBUSTION AIR FOR SECONDARY BURNER

$$\frac{1200000 \text{ BTU/HR}}{100 \text{ BTU/CF AIR}} \times \frac{1 \text{ Burner}}{1} \times 0.075 \text{ LB/CF AIR} = 900 \text{ LBS/HOUR}$$

E. PRODUCTS FROM TYPE 0 WASTE (CONTAINER)

$$7.33 \text{ LBS/LB BURNED} \times 10 \text{ LB/HR BURN RATE} = 73 \text{ LBS/HOUR}$$

F. PRODUCTS FROM TYPE 4 WASTE (TISSUE)

$$1.70 \text{ LBS/LB WASTE} \times 90 \text{ LB/HR BURN RATE} = 153 \text{ LBS/HOUR}$$

G. ADDITIONAL SECONDARY CHAMBER COMBUSTION AIR (THROAT AIR)

$$12000 \text{ CF/HR*} \times 0.075 \text{ LB/CF AIR} = 900 \text{ LBS/HOUR}$$

H. TOTAL FLUE PRODUCTS

$$= \underline{\underline{2563 \text{ LBS/HOUR}}}$$

2. VELOCITY AND TIME CALCULATIONS

A. SCFM CALCULATION

(PRODUCTS ASSUMED TO HAVE DENSITY CLOSE TO AIR)

$$2563 \text{ LBS/HR} \times \frac{13.35 \text{ STD. CU. FT/LB}}{60 \text{ MIN/HR}} = 570 \text{ SCFM}$$

B. TOTAL PRODUCTS ACFM @ 1600 °F

$$\frac{2060 \text{ °RANKINE}}{530 \text{ °RANKINE}} \times 570.2 \text{ CFM} = 2216 \text{ ACFM}$$

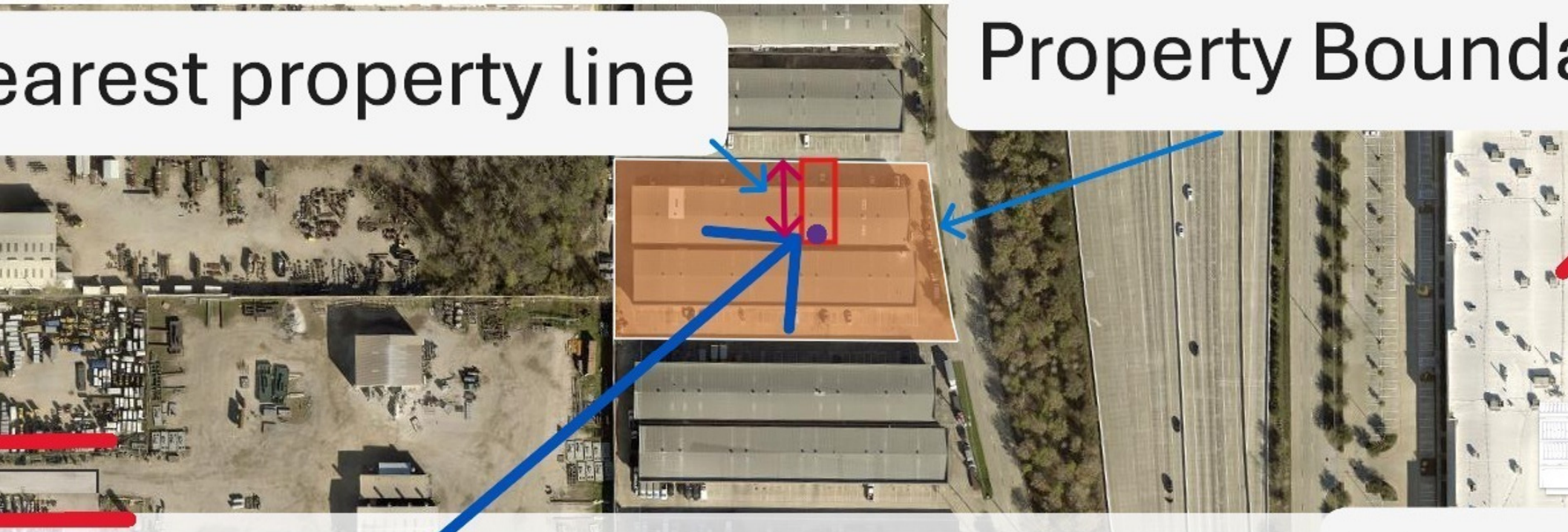
C. RETENTION TIME

$$\frac{52 \text{ CU. FT}}{2216 \text{ ACFM}} \times \frac{60 \text{ SECONDS}}{1 \text{ MINUTE}} = \mathbf{1.41 \text{ SECONDS}}$$

ours: Unrestricted. The Matthews IEB-16 is equ
stack-opacity monitoring and visual and audib

nearest property line

Property Bounda



Stack Location

North

ROOF PEAK HT. 22'-3"
STACK HT. 25'-5"



\$ Value	
Land:	\$1,5
Improvement:	\$1,7
Market:	\$3,3
Appraised:	\$3,3

[iFile a protest](#)
[Value Notice](#)
[Values on Same Street](#)

ENTERPRISE

IX Tollway Beltway Houston Toll

**Advanced
Architectural
Metals Inc.**

 Subzero Crunch

**Right Futons
& Waterbeds
Showroom**

Same Day Frameless
Shower Doors

Cintas Uniform Services

 **Design Cabinets and Flooring**

Ideal Steel Inc.

Soaring Phoenix
Dragon & Lion
Dance...



Unlaub-Channel Bearing

**Four Seasons
Development Co, Inc**

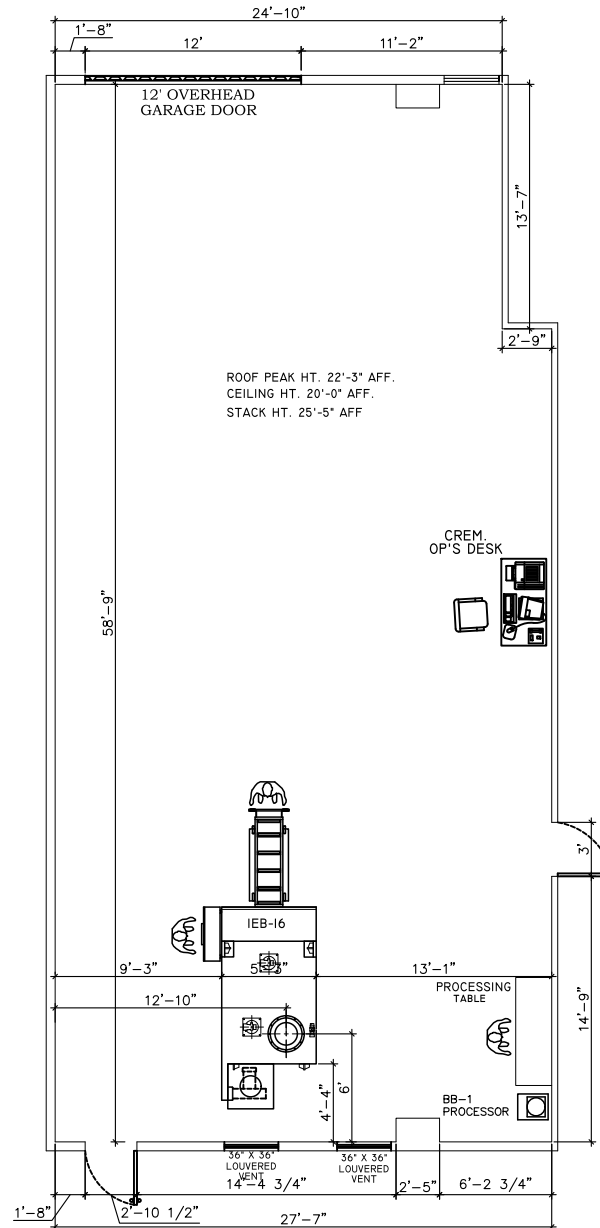
W Sam Houston Pkwy N

Sam Houston Pkwy N

Dancy Rd

Dancy Rd

Stack Location



Matthews
ENVIRONMENTAL SOLUTIONS
2045 Sprint Boulevard
Apopka, Florida 32703
USA

LEGACY GROVE PET CREMATORY LLC
SAMPEL LAYOUT WITH IEB 16

DRAWN BY:	SC	DATE:	7/8/26	REVISION:	
APPROVED BY:	-	DATE:	-		
SCALE:	3/32" = 1'-0"	SHEET:	OF:		
DWG FILE:					
DWG NUMBER:	Layout1				

THIS DRAWING CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF MATTHEWS ENVIRONMENTAL SOLUTIONS. UNLESS OTHERWISE SPECIFIED IN WRITING, MATTHEWS ENVIRONMENTAL SOLUTIONS IS THE OWNER OF THIS DRAWING AND THE INFORMATION CONTAINED HEREIN. THIS DRAWING AND THE CONTAINED INFORMATION IS CONFIDENTIAL, PROPRIETARY, AND MAY NOT BE REPRODUCED OR DISCLOSED TO THIRD PARTIES WITHOUT THE EXPRESS WRITTEN CONSENT OF MATTHEWS ENVIRONMENTAL SOLUTIONS. IT IS ISSUED FOR ILLUSTRATIVE PURPOSES ONLY AND IS NOT TO BE USED FOR ANY PURPOSE.

Texas Commission on Environmental Quality

Standard Permit New Registration

Site Information (Regulated Entity)

What is the name of the site to be authorized?	Legacy Grove Pet Crematory IEB-16 Animal Carcass Incinerator
Does the site have a physical address?	Yes
Physical Address	
Number and Street	5829 W SAM HOUSTON PKWY N STE 203
City	HOUSTON
State	TX
ZIP	77041
County	HARRIS
Latitude (N) (##.#####)	29.855822
Longitude (W) (-###.#####)	-95.565313
Primary SIC Code	6553
Secondary SIC Code	
Primary NAICS Code	812220
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	
What is the name of the Regulated Entity (RE)?	Legacy Grove Pet Crematory
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	5829 W SAM HOUSTON PKWY N STE 203
City	HOUSTON
State	TX
ZIP	77041
County	HARRIS
Latitude (N) (##.#####)	29.855822
Longitude (W) (-###.#####)	-95.565313
Facility NAICS Code	812220
What is the primary business of this entity?	Pet memorial aftercare facility

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	
Type of Customer	Organization
Full legal name of the applicant:	
Legal Name	LEGACY GROVE PET CREMATORY LLC
Texas SOS Filing Number	806543346
Federal Tax ID	421862700
State Franchise Tax ID	32105439734
State Sales Tax ID	

Local Tax ID	
DUNS Number	
Number of Employees	0-20
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	LEGACY GROVE PET CREMATORY LLC
Prefix	MR
First	Christopher
Middle	G
Last	McAlee
Suffix	
Credentials	
Title	Owner
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	24703 MATHER DR
Routing (such as Mail Code, Dept., or Attn:)	
City	KATY
State	TX
ZIP	77494
Phone (###-###-####)	8323909344
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	mcalee@att.net

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	LEGACY GROVE PET CREMATORY LLC
Organization Name	LEGACY GROVE PET CREMATORY LLC
Prefix	MR
First	Christopher
Middle	G
Last	McAlee
Suffix	
Credentials	
Title	Owner
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	24703 MATHER DR
Routing (such as Mail Code, Dept., or Attn:)	
City	KATY

State	TX
ZIP	77494
Phone (###-###-####)	8323909344
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	mcalee@att.net

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Responsible Official Contact
Organization Name	Matthews Environmental Solutions
Prefix	MR
First	Michael
Middle	
Last	Tricoche
Suffix	
Credentials	
Title	Sr. Electrical Engineer
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2045 SPRINT BLVD
Routing (such as Mail Code, Dept., or Attn:)	
City	APOPKA
State	FL
ZIP	32703
Phone (###-###-####)	4078865533
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	4078865990
E-mail	mtricoche@matw.com

Standard Permit General Information- New Reg Sites

1) Is this facility permanent or temporary?	Permanent
2) Will the proposed facility meet all of the requirements of the standard permit?	Yes
3) Select the type of unit that is being registered:	ANIMAL CARCASS INCINERATORS
3.1) Select the rule associated to the unit specified.	6009
3.2) Is the facility equal to or greater than 50 ft. from the nearest property line?	Yes

Standard Permit Attachments

Please attach one PDF with the PI-1S and all required documents to complete the project.

[File Properties]

File Name	Area Map.jpg
-----------	--------------

Hash	EE01DD06CB5436409516C68CF5B5D1621646F0AC7046FF1C0D7FE46C42E7820C
MIME-Type	image/jpeg
Confidential	No
[File Properties]	
File Name	LEGACY GROVE PET CREMATORY LLC-Layout.pdf
Hash	A3055988C1C3877107C16207BE7E2690527F05AD4BDFA9FE45461868A95321FB
MIME-Type	application/pdf
Confidential	Yes
[File Properties]	
File Name	PI-1S.pdf
Hash	FEEBAA988E0463BC1CCF85FE26751FEE9DECAD57AD414D04CAF4472AB2555479
MIME-Type	application/pdf
Confidential	No
[File Properties]	
File Name	Scaled plot plan.JPG
Hash	623B788F1212F1313133D23A861AB7E3C332CBD31BE34E3220549A7612961589
MIME-Type	image/jpeg
Confidential	No
[File Properties]	
File Name	Permit Attachments.pdf
Hash	9E468F014A65FE7BC02BEE19A50097879E46BDB673F75DCEC2919CDCA4C52FA3
MIME-Type	application/pdf
Confidential	No

Please attach any other necessary information needed to complete the registration.

Expedite

Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?	No
--	----

Certification

The electronic signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Officials knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call (512) 239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms.

1. I am Christopher Mcalee, the owner of the STEERS account ER124353.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.

4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Standard Permit New Registration.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER OPERATOR Signature: Christopher McAlee OWNER OPERATOR

Customer Number:

Legal Name:

LEGACY GROVE PET CREMATORY LLC

Account Number:

ER124353

Signature IP Address:

170.203.114.163

Signature Date:

2026-07-17

Signature Hash:

FD8D6C924E727661C382C4DDD240626B38783155B32561A0A3B71D1943E4F110

Form Hash Code at time
of Signature:

E76EC54A9C9D2448257C8EC5FA292CB6AEC52CCB460C42805FAD8FA1EECB3508

Fee Payment

Transaction by:

The application fee payment transaction was made by ER124353/Christopher McAlee

Paid by:

The application fee was paid by CHRISTOPHER MCALEE

Fee Amount:

\$900.00

Paid Date:

The application fee was paid on 2026-07-17

Transaction/Voucher number:

The transaction number is 582EA000744649 and the voucher number is 840446

Submission

Reference Number:

The application reference number is 941878

Submitted by:

The application was submitted by ER124353/Christopher McAlee

Submitted Timestamp:

The application was submitted on 2026-07-17 at 15:37:33 CDT

Submitted From:

The application was submitted from IP address 170.203.114.163

Confirmation Number:

The confirmation number is 783885

Steers Version:

The STEERS version is 6.94

Additional Information

Application Creator: This account was created by Christopher McAlee