

Michelle Shinski

From: Michelle Shinski
Sent: Wednesday, March 4, 2026 1:43 PM
To: OCC-NSR; R6AirPermitsTX@epa.gov; Morgan Miller; thomas@restingrainbow.com
Cc: RFCAIR4
Subject: INITIAL, Nous Initiative Investment, LLC; Project: 405591, Permit: 183136
Attachments: Nous Initiative Investment, LLC Public Notice.docx

Please see Public Notice attached.

Michelle Shinski

From: Morgan Miller <morgan@americancrematory.com>
Sent: Tuesday, March 3, 2026 3:43 PM
To: Michelle Shinski
Cc: Taylor Burwell
Subject: Re: Nous Initiative Investment, LLC Public Notice Draft [183136_405591] Initial

Categories: need action

Good afternoon,

My team has reviewed and approved the Public Notice draft.

Please let me know what the next steps are and what you may need from us to move forward.

- Street address or driving directions to the facility: Yes, on the application.
- Hyperlink for the map to facility - please confirm the map shows the general vicinity location of the facility: Yes, location on draft sent is correct.
- Contaminant's list: Yes, in attachments submitted with application.
- Public viewing place (must be in the same county as the facility and may be required to have internet access): Yes.
- For renewal applications, check all previous permitting actions since initial issuance or last renewal to make sure they are listed in Example A: Yes.
- Incorporation / consolidation of registrations for PBRs (Permit by Rule) (Permits by Rule) and Standard Permits being included with this application: Yes, Standard Permit-New Registration.
- Emission factor changes: Emissions document sent in with application.
- Qualified facility changes: Yes.
- Public Notice Technical Contact information: Yes, Confirmed.
- Big or small business status (Small businesses will not receive Example B): Yes, small business under corporate umbrella.

Best regards,



Morgan Miller
Air Quality Permitting

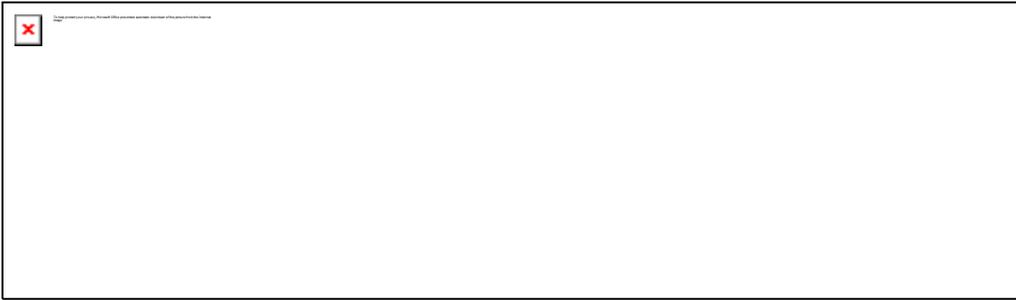
Office (800) 396-2254

Cell (205) 715-3697

Email morgan@americancrematory.com

Address 6601 Darin Way, Cypress, CA 90630, USA

View Our Catalog - <https://online.flippingbook.com/view/928383913>



From: Michelle Shinski <Michelle.Shinski@tceq.texas.gov>
Sent: Tuesday, March 3, 2026 10:55 AM
To: Morgan Miller <morgan@americancrematory.com>
Cc: Taylor Burwell <taylor@americancrematory.com>
Subject: Nous Initiative Investment, LLC Public Notice Draft [183136_405591] Initial

Please review within two days.

See attached draft portion of the Notice of Receipt of Application and Intent to Obtain a Permit (NORI).

The NORI approval must be completed and returned **within 2 business days** before we can issue the NORI and post to the agency's website. This is in accordance with [Title VI Compliance](#).

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:

- Street address or driving directions to the facility
- Hyperlink for the map to facility - please confirm the map shows the general vicinity location of the facility
- Contaminant's list
- Public viewing place (must be in the same county as the facility and may be required to have internet access)
- For renewal applications, check all previous permitting actions since initial issuance or last renewal to make sure they are listed in Example A
- Incorporation / consolidation of registrations for PBRs (Permit by Rule) (Permits by Rule) and Standard Permits being included with this application
- Emission factor changes
- Qualified facility changes
- Public Notice Technical Contact information
- 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.

Thank you,
Michelle Shinski
Business Support Section

Air Permits Division
Texas Commission on Environmental Quality
Phone: (512) 239-1123
Michelle.Shinski@tceq.texas.gov



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

March 4, 2026

THOMAS KHIEN
OWNER
NOUS INITIATIVE INVESTMENT LLC
1305 INDUSTRIAL DR UNIT A
ROYSE CITY TX 75189-5415

Re: Declaration of Administrative Completeness
Animal Carcass Incinerator Registration for an Air Quality Standard Permit
Air Quality Registration Number: 183136
Animal Carcass Incinerator
Royse City, Rockwall County
Customer Reference Number: CN606482768
Regulated Entity Number: RN112393954

Dear Mr. Khien:

The Texas Commission on Environmental Quality (TCEQ) has declared the above-referenced application, received on February 25, 2026, administratively complete on March 4, 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 March 27, 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 March 27, 2026 (see this letter's first paragraph for the application received date).

Thomas Khien
Page 2
March 4, 2026

Re: Registration: 183136

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:

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. Michelle Shinski at (512) 239-1123.

Sincerely,



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

Enclosure

cc: Air Section Manager, Region 4 - Dallas/Fort Worth

Project Number: 405591

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED AIR QUALITY REGISTRATION NUMBER 183136

APPLICATION. Nous Initiative Investment, LLC, 1305 Industrial Drive, Unit A, Royse City, Texas 75189-5415 has applied to the Texas Commission on Environmental Quality (TCEQ) for an Air Quality Standard Permit, Registration Number 183136, which would authorize construction of an animal carcass incinerator. The facility is proposed to be located at 1305 Industrial Drive, Unit A, Royse City, Rockwall County, Texas 75189. 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://gjsweb.tceq.texas.gov/LocationMapper/?marker=-96.303821,32.982283&level=13>. This application was submitted to the TCEQ on February 25, 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 March 4, 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 Dallas/Fort Worth Regional Office, located at 2309 Gravel Drive, Fort Worth, Texas 76118-6951, 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 Nous Initiative Investment, LLC, 1305 Industrial Drive, Unit A, Royse City, Texas 75189-5415, or by calling Mrs. Morgan Miller in Air Quality Permitting at American Crematory Equipment Company, at (205) 715-3697.

Notice Issuance Date: March 4, 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 March 27, 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: Nous Initiative Investment, LLC
Permit No.: 183136
Application Received Date: February 25, 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: Nous Initiative Investment, LLC
Permit No.: 183136
Application Received Date: February 25, 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.

Notary Public in and for the State of Texas

[Affix Seal]

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 Mr. Hung Chau at Hung.Chau@tceq.texas.gov.

Hard copies should be sent to the following:

Texas Commission on Environmental Quality
Dallas/Fort Worth Regional Office
2309 Gravel Drive
Fort Worth, Texas 76118-6951

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:Nous Initiative Investment, LLC	
Facility/ Site name: Resting Rainbow of East Dallas	
TCEQ permit number: 183136	
Application received date: February 25, 2026	
Customer reference number: CN606482768	
Regulated entity number: RN112393954	
County:Rockwall	Region: 4
Local program 1:	Local program 2:
Permit type: Standard Permit Application	
Internal program routing	
Tech. team leader: Mr. Hung Chau	Phone no. (512) 239-6201
APIRT team leader: Nancy Birdsong	Date: March 4, 2026
Administratively reviewed by: Michelle Shinski	Phone no. (512) 239-1123
Administratively complete date: March 4, 2026	
Public viewing location must have internet access: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is 2nd public notice required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: Thomas Khien, Owner	
Company: Nous Initiative Investment, LLC	
Street/Road: 1305 Industrial Drive, Unit A	
City/State/Zip: Royse City, Texas 75189-5415	
Telephone: (702) 978-3665	Fax:
Applicant's technical representative/ consultant:	
Name/Title: Morgan Miller, Air Quality Permitting	
Company: American Crematory Equipment Company	
Street/Road: 6601 Darin Way	
City/State/Zip: Cypress, California 90630-5130	
Phone: (205) 715-3697	Fax:
Person responsible for publishing notice:	
Name/Title: Thomas Khien, Owner	
Company: Nous Initiative Investment, LLC	
Street/Road: 1305 Industrial Drive, Unit A	
City/State/Zip: Royse City, Texas 75189-5415	
Telephone: (702) 978-3665	Fax:

Michelle Shinski

From: Michelle Shinski
Sent: Tuesday, March 3, 2026 10:56 AM
To: Morgan Miller
Cc: Taylor Burwell
Subject: Nous Initiative Investment, LLC Public Notice Draft [183136_405591] Initial
Attachments: Nous Initiative Investment, LLC Public Notice Draft.docx

Please review within two days.

See attached draft portion of the Notice of Receipt of Application and Intent to Obtain a Permit (NORI).

The NORI approval must be completed and returned **within 2 business days** before we can issue the NORI and post to the agency's website. This is in accordance with [Title VI Compliance](#).

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:

- Street address or driving directions to the facility
- Hyperlink for the map to facility - please confirm the map shows the general vicinity location of the facility
- Contaminant's list
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- For renewal applications, check all previous permitting actions since initial issuance or last renewal to make sure they are listed in Example A
- Incorporation / consolidation of registrations for PBRs (Permit by Rule) (Permits by Rule) and Standard Permits being included with this application
- Emission factor changes
- Qualified facility changes
- Public Notice Technical Contact information
- 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.

Thank you,
Michelle Shinski
Business Support Section
Air Permits Division
Texas Commission on Environmental Quality
Phone: (512) 239-1123
Michelle.Shinski@tceq.texas.gov



Form PI-1S
Registrations for Air Standard Permit
(Page 5)
Texas Commission on Environmental Quality

III. Fee Information (go to www.tceq.texas.gov/epay to pay online)
A. Fee Amount: 900.00
B. Voucher number from ePay: 817002
IV. Public Notice (if applicable)
A. Responsible Person
<input checked="" type="checkbox"/> Mr.
<input type="checkbox"/> Mrs.
<input type="checkbox"/> Ms.
<input type="checkbox"/> Other: _____
Name: Thomas
Title: Owner Khien
Company: Resting Rainbow of East Dallas
Mailing Address: 1305 Industrial Drive Unit A
City: Royse City
State: Texas
ZIP Code: 75189
Telephone No.: 702-978-3665
Fax No.:
Email Address: Thomas@restingrainbow.com
B. Technical Contact
<input type="checkbox"/> Mr.
<input checked="" type="checkbox"/> Mrs.
<input type="checkbox"/> Ms.
<input type="checkbox"/> Other: _____
Name: Morgan Miller
Title: Air Quality Permitting
Company: American Crematory Equipment Company
Mailing Address: 6601 Darin Way
City: Cypress
State: California
ZIP Code: 90630

Form PI-1S
Registrations for Air Standard Permit
(Page 5)
Texas Commission on Environmental Quality

IV. Public Notice (if applicable)
B. Technical Contact
Telephone Number: 205-715-3697
Fax Number:
Email Address: morgan@americancrematory.com
C. Bilingual Notice
Is a bilingual program required by the Texas Education Code in the School District? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If "Yes," list which language(s) are required by the bilingual program below? Language(s): Not required but elected: Spanish _____ 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the site emissions of any individual regulated air contaminant equal to or greater than 50 tpy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the site emissions of all regulated air contaminant combined equal to or greater than 75 tpy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Michelle Shinski

From: Michelle Shinski
Sent: Monday, March 2, 2026 10:45 AM
To: Morgan Miller
Cc: Taylor Burwell
Subject: [Information Request] Initial Permit 6009 Applications [183102_405415] & [183136_405591]

Please review immediately.

Good morning, Mrs. Miller,

Thank you for sending the PI-1S Forms for Permit Numbers 183102 and 183136. It is required that you publish a notice of application, or a consolidated Notice of Application and Intent to Obtain Permit and Notice of Application and Preliminary Decision for these permits.

The Public Notice sections of the PI-1S Forms you submitted were not completed. Please complete the forms **by COB today, March 2, 2026** and return to me by email. Please note, additional information regarding Public Notice requirements is contained in Section IV of the PI-1S Form.

Please contact me if you have any questions.

Thank you,
Michelle Shinski
Business Support Section
Air Permits Division
Texas Commission on Environmental Quality
Phone: (512) 239-1123
Michelle.Shinski@tceq.texas.gov



From: Morgan Miller <morgan@americancrematory.com>
Sent: Thursday, February 26, 2026 2:22 PM
To: Michelle Shinski <Michelle.Shinski@tceq.texas.gov>
Cc: Taylor Burwell <taylor@americancrematory.com>
Subject: Re: [Application Request] Next Step Services, LLC Initial Permit 6009 Application (PI-1S form) [183102_405415]

Thank you so much for sending this in a different format. I have attached both locations in this email. If you need anything else please don't hesitate to reach out.

Best regards,



Morgan Miller
Air Quality Permitting

Office (800) 396-2254

Cell (205) 715-3697

Email morgan@americancrematory.com

Address 6601 Darin Way, Cypress, CA 90630, USA

View Our Catalog - <https://online.flippingbook.com/view/928383913>



From: Michelle Shinski <Michelle.Shinski@tceq.texas.gov>
Sent: Thursday, February 26, 2026 7:58 AM
To: Morgan Miller <morgan@americancrematory.com>
Cc: Taylor Burwell <taylor@americancrematory.com>
Subject: RE: [Application Request] Next Step Services, LLC Initial Permit 6009 Application (PI-1S form) [183102_405415]

Good morning, Ms. Miller,

I have attached a word version of the form. Please don't hesitate to reach out if you have any questions.

Thank you,
Michelle Shinski

From: Morgan Miller <morgan@americancrematory.com>
Sent: Wednesday, February 25, 2026 4:08 PM
To: Michelle Shinski <Michelle.Shinski@tceq.texas.gov>
Cc: Taylor Burwell <taylor@americancrematory.com>
Subject: Re: [Application Request] Next Step Services, LLC Initial Permit 6009 Application (PI-1S form) [183102_405415]

Michelle,

Thank you for sending this over! I'm still fairly new to air quality permitting, so I really appreciate you sharing this with me.

I did open the document and noticed that a couple of pages aren't fillable. Would you mind resending it once more when you have a chance?

I also just submitted another permit for an animal crematory for Nous Initiative Investment LLC. I'll be sure to send this form back for both projects by the end of day tomorrow.

Thank you again—I appreciate your help.

Best regards,



Morgan Miller
Air Quality Permitting

Office (800) 396-2254

Cell (205) 715-3697

Email morgan@americancrematory.com

Address 6601 Darin Way, Cypress, CA 90630, USA

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From: Michelle Shinski <Michelle.Shinski@tceq.texas.gov>

Sent: Wednesday, February 25, 2026 3:21 PM

To: Morgan Miller <morgan@americancrematory.com>

Subject: [Application Request] Next Step Services, LLC Initial Permit 6009 Application (PI-1S form) [183102_405415]

This is the first time you received an email from this sender (Michelle.Shinski@tceq.texas.gov). Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Please review immediately.

Good afternoon, Mrs. Miller,

Next Step Services, LLC's Initial application for an Animal Carcass Incinerator Air Permit has been received (Permit # 183102; Project # 405415); however, the PI-1S Form was not completed. Please complete the attached application **by COB tomorrow, February 26, 2026** and return to me by email.

Thank you,

Michelle Shinski

Business Support Section

Air Permits Division

Texas Commission on Environmental Quality

Phone: (512) 239-1123

Michelle.Shinski@tceq.texas.gov



Michelle Shinski

From: Morgan Miller <morgan@americancrematory.com>
Sent: Thursday, February 26, 2026 2:22 PM
To: Michelle Shinski
Cc: Taylor Burwell
Subject: Re: [Application Request] Next Step Services, LLC Initial Permit 6009 Application (PI-1S form) [183102_405415]
Attachments: RR Fort Worth_RegForm_Signed.pdf; TCEQ East Dallas Registration Form.pdf; RR East Dallas Signed Registration Page.pdf

Thank you so much for sending this in a different format. I have attached both locations in this email. If you need anything else please don't hesitate to reach out.

Best regards,



Morgan Miller
Air Quality Permitting

Office (800) 396-2254

Cell (205) 715-3697

Email morgan@americancrematory.com

Address 6601 Darin Way, Cypress, CA 90630, USA

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From: Michelle Shinski <Michelle.Shinski@tceq.texas.gov>
Sent: Thursday, February 26, 2026 7:58 AM
To: Morgan Miller <morgan@americancrematory.com>
Cc: Taylor Burwell <taylor@americancrematory.com>
Subject: RE: [Application Request] Next Step Services, LLC Initial Permit 6009 Application (PI-1S form) [183102_405415]

Good morning, Ms. Miller,

I have attached a word version of the form. Please don't hesitate to reach out if you have any questions.

Thank you,
Michelle Shinski

From: Morgan Miller <morgan@americancrematory.com>
Sent: Wednesday, February 25, 2026 4:08 PM
To: Michelle Shinski <Michelle.Shinski@tceq.texas.gov>
Cc: Taylor Burwell <taylor@americancrematory.com>
Subject: Re: [Application Request] Next Step Services, LLC Initial Permit 6009 Application (PI-1S form) [183102_405415]

Michelle,

Thank you for sending this over! I'm still fairly new to air quality permitting, so I really appreciate you sharing this with me.

I did open the document and noticed that a couple of pages aren't fillable. Would you mind resending it once more when you have a chance?

I also just submitted another permit for an animal crematory for Nous Initiative Investment LLC. I'll be sure to send this form back for both projects by the end of day tomorrow.

Thank you again—I appreciate your help.

Best regards,



Morgan Miller
Air Quality Permitting

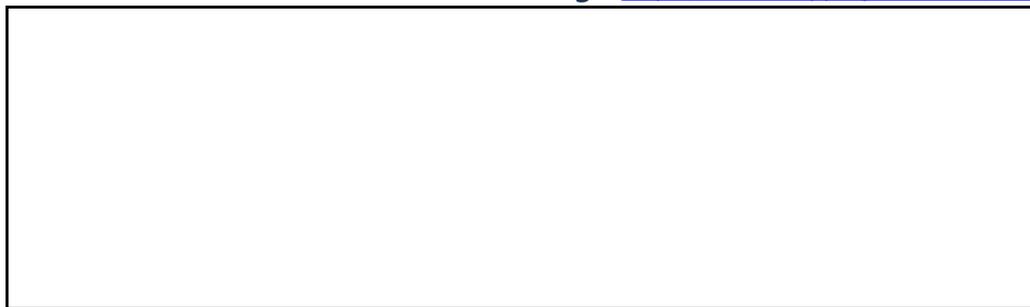
Office (800) 396-2254

Cell (205) 715-3697

Email morgan@americancrematory.com

Address 6601 Darin Way, Cypress, CA 90630, USA

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To: Morgan Miller <morgan@americancrematory.com>
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Thank you,

Michelle Shinski

Business Support Section

Air Permits Division

Texas Commission on Environmental Quality

Phone: (512) 239-1123

Michelle.Shinski@tceq.texas.gov



**Registrations for Air Standard Permit
Form PI-1S Instructions
Texas Commission on Environmental Quality**

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Introduction

The primary purpose of the Form PI-1S is to provide all administrative and technical information needed by the Air Permit Division (APD) to evaluate Standard Permit applications. These instructions are intended for use by applicants and consultants to help you prepare a complete Standard Permit request. The review of your project will go faster if you provide all necessary documents and information requested in the Form PI-1S and in the Core Data Form (TCEQ No. 10400).

Note: Applicants submitting registrations for Concrete Batch Plants (6004) and Concrete Batch Plants with Enhanced Controls (6008) must submit the PI-1S-CBP available here:

www.tceq.texas.gov/permitting/air/forms/newsourcereview/nsr_sp_forms.html. It is required for these standard permit registrations received on or after September 1, 2020.

Applicants submitting registrations for the Marine Loading Operations standard permit (6021) are required to submit the PI-1S-MLO available here:

www.tceq.texas.gov/permitting/air/forms/newsourcereview/nsr_sp_forms.html.

Overview

Texas Commission on Environmental Quality (TCEQ) regulates the release of air contaminants for specific, well-characterized classes of facilities under its Standard Permits.

Standard Permit projects must meet the requirements of the specific Standard Permit. For more information about the available Standard Permits, see our web page Standard Air Permits at www.tceq.texas.gov/permitting/air/nav/standard.html. TCEQ also has an Air Quality Permitting fact sheet available to assist you in determining some of the other state or federal requirements you may need to know, found at www.tceq.texas.gov/permitting/air/guidance/permit-factsheets.html

ePermits: TCEQ now requires the use of the online TCEQ e-Services system at <https://www.tceq.texas.gov/agency/tceq-online-services> to register your standard permit, pay registration fees, and receive registrations. To use the online system, you need to have an active State of Texas Environmental Electronic Reporting System (STEERS) account. Access STEERS at www3.tceq.texas.gov/steers/. For help with ePermits refer to the TCEQ STEERS ePermits Help web page at www3.tceq.texas.gov/steers/help/epr/eprmain.html. If an attachment cannot be submitted through STEERS due to the file size of an attachment which exceeds 50 MB or a file type which is not accepted, submit through FTPS. If using FTPS, you will share files with APIRT@tceq.texas.gov for the initial submittal. Once your project has been assigned, you will share files directly with your reviewer.

Confidential files should be submitted through STEERS or the TCEQ FTPS. All pages must be marked confidential and have *confidential* in the file name. Confidential submittals must be separate from non-confidential submittals.

Small Business Information and Agency Contacts

For agency contacts, see Contact Information for Air Permit Applications (including Environmental Assistance Division) by going to the “Who to go to for specific questions on air permit applications” link at www.tceq.texas.gov/permitting/air/air_permits.html.

Instructions for Form PI-1S

These instructions are provided to assist the regulated community to accurately complete a registration request to operate under a standard permit.

I. Registrant Information

- A. Company or Other Legal Customer Name:** Registrations are claimed by either the facility owner or operator, commonly referred to as the “registrant.” List the legal name of the company, corporation, partnership, or person who is applying for the standard permit. Applicants can verify the legal name with the Texas Secretary of State at (512) 463-5555 or at <https://www.sos.state.tx.us/index.shtml>. TCEQ will also verify the legal name with the Texas Secretary of State. You may be asked to correct the name provided on the Form PI-1S, if found to be different. In some cases, we may request a copy of the legal document forming the entity to verify the legal name; for example: general partnership filed with the county.
- B. Company Official Contact Information:** Provide the name, title, mailing address, telephone number, fax number, and email address of the company official contact. The company official must not be a consultant. All correspondence and issued permit documents will be sent via email within one business day of TCEQ’s decision. Please ensure that the email address provided for the company official is the most appropriate to receive time-sensitive correspondence from TCEQ.
- C. Technical Contact Information:** Provide the name, title, company, mailing address, telephone number, fax number, and email address of the person TCEQ should contact for technical questions. This person must have the authority to make binding agreements and representations on behalf of the registrant. The technical contact may be a consultant.

II. Facility and Site Information

- A. Name and Type of Facility:** Enter the name of the facility for which the standard permit registration is being requested. The name should be descriptive and indicate the general type of operation, manufacturing process, equipment, or facility which would be authorized under the standard permit (include any numerical designation, if appropriate). The name must be descriptive and specific. Examples of acceptable names are, “Sulfuric Acid Plant” and “No. 5 Steam Boiler” Vague names such as, “Chemical Plant” and “North Process Area,” are not acceptable names. Also, check the appropriate box indicating the type of facility as either permanent or temporary. For hot mix asphalt plants, a temporary plant is limited to 180 days on site, or for the duration required to complete a single project. Hot mix asphalt plants that are expected to remain on site more than 180 days, and all rock and concrete crushers are considered permanent. Additionally, oil and gas production units are usually considered to be permanent. For portable units, please provide the serial number(s) of the equipment being authorized.
- B. Facility Location Information:** Provide the street address of the facility, if available. If there is no street address, describe the physical location with specific written directions. Identify the location by distance and direction from well-known landmarks, such as highway intersections. It is very important to also include the city and county where the facility will be located. If the address is not located in a city, then enter the city or town closest to the facility even if it is not in the same county as the facility. The county indicated must be the county where the facility is physically located. Please include the ZIP Code of the physical facility site, not the ZIP Code of the applicant’s mailing address. In some cases, TCEQ may request a map showing the location of the facility during the review of the standard permit registration.
- C. TCEQ Core Data Form:** We require that you submit a Core Data Form (TCEQ Form Number 10400) on all incoming applications unless the following are met.
1. Regulated Entity and Customer Reference Numbers have been issued by TCEQ and.
 2. No Core data information has changed.

Note: The Core Data Form is required for Standard Permits, 6002, 6007, 6012, 6013, 6014, and 6020 without exception. Information required on the Core Data Form includes the following:

- **Customer Reference Number (CN):** This is a unique number given to each business, governmental body, association, individual, or other entity that owns, operates, is responsible for, or is affiliated with a regulated entity. We assign the CN when a Core Data Form is initially submitted.
- **Regulated Entity Number (RN):** This is a unique agency assigned number given to each person, organization, place, or thing that is of environmental interest to us and where regulated activities will occur. The RN is assigned when a Core Data Form is initially submitted, if the agency has conducted an investigation, or if the agency has issued an enforcement action. The RN replaces existing air account numbers. The RN for portable units is assigned to the unit itself, and that same RN should be used when applying for authorization at a different location.

Note: *The company and facility site information provided on the Core Data Form must be the same as provided on the Form PI-1S.*

D. TCEQ Account Identification Number: This number was assigned by TCEQ to the entire property owned or controlled by the applicant at a specific location. A typical example of an air quality account number is, JB-1234-R. Portable facilities are assigned account identification numbers which begin with a number, such as 92-1234-K. Provide your TCEQ account identification number if known.

E. Type of Action: Indicate the type of action being requested by checking the appropriate box. Check:

- *Initial Application* – if the facility has not previously been authorized by a standard permit,
- *Change to Registration* – if the facility has been previously registered, but changes or additions have occurred,
- *Renewal or Renewal Certification* – if a standard permit registration for the facility must be renewed. To determine which type of renewal the project qualifies for, see Section V Renewal Certification Option.

Provide the existing registration number and expiration date if Change to Registration, Renewal, or Renewal Certification is checked.

- F. Standard Permit Claimed:** Provide the standard permit that is being claimed. Below is a list of standard permits that can be claimed using the Form PI-1S. If the standard permit to be claimed is not listed, please check the Air Permits website for the appropriate registration or notification form at www.tceq.texas.gov/permitting/air/nav/standard.html.

Standard Permit	Description
6001	Air Quality Pollution Control Projects
6002	Oil and Gas Handling and Production Facilities
6005	Electric Generating Units
6007	Permanent Hot Mix Asphalt Plants Temporary Hot Mix Asphalt Plants
6009	Animal Carcass Incinerators
6011	Boilers
6012	Sawmills
6013	Permanent Rock and Concrete Crushers
6014	Anhydrous Ammonia Storage and Distribution Operations
6015	Dry Bulk Fertilizer Handling Operations
6016	Cotton Gin Facilities and Cotton Burr Tub Grinders
6017	Feedmills, Portable Augers, and Hay Grinders
6018	Grain Elevator/Grain Handling Operations and Portable Grain Augers
6019	Peanut-Handling Operations
6020	Temporary and Permanent Polyphosphate Blenders
6022	Natural Gas Electric Generating Units

- G. Previous Standard Exemption or Permits by Rule (PBR) Registration Number:** If this standard permit application is for a change to an existing facility previously authorized under a standard exemption or PBR, list the previous standard exemption number(s), PBR registration number(s), and the associated effective date. Also attach additional information on whether the facility still meets the previous standard exemption or PBR, or whether a new registration is required and the previous standard exemption or PBR should be voided.
- H. Other Facilities at this Site Authorized by Standard Exemption, PBR, or Standard Permit:** To properly track how this standard permit application may relate to other authorizations or compliance with TCEQ standard permit regulations, it is important to list all standard exemption number(s), PBR registration number(s), and Standard Permit registration number(s), and the associated effective date.
- I. Other Air Preconstruction Permits:** If the registration is for a site that has any other minor or federal new source review (NSR) air preconstruction permits, list all permit numbers.
- J. Affected Air Preconstruction Permits:** If the standard permit being claimed directly affects any permitted facility, list the affected preconstruction permit numbers.

K. Federal Operating Permit (FOP) Requirements (30 Texas Administrative Code (TAC) Chapter 122 Applicability): Information and guidance on applicability of 30 TAC Chapter 122 can be accessed on our Program Applicability web page at www.tceq.texas.gov/permitting/air/titlev/pro_applicability.html.

1. If this standard permit application results in an increase in the site's potential to emit and renders the site a major source as defined in 30 TAC Chapter 122, a FOP application is required. Check the appropriate box if you are submitting a General Operating Permit (GOP) or Site Operating Permit (SOP) application or revision application. Guidance on submitting these applications is available on the Guidance for Title V Operating Permits web page at www.tceq.texas.gov/permitting/air/nav/air_titlevopperm.html.
2. Identify the type(s) of FOP(s) issued for the site by checking the appropriate box. In addition, check the appropriate box if any GOP or SOP application(s) for the site, including revision applications, are currently under review.

If you have questions about the applicability of 30 TAC Chapter 122 or impact of this Form PI-1S on your existing FOP, please contact the TCEQ APD at (512) 239-1250, and ask to speak with someone in the Operating Permits Section.

III. Fee Information

Most standard permit registrations require an application fee at the time of application submittal. All fees must be paid prior to processing any standard permit authorization. All fees must be paid through STEERS.

- A. Fee Amount:** Review the specific standard permit you are requesting authorization for on our Standard Air Permits web page at www.tceq.texas.gov/permitting/air/nav/standard.html to determine fee requirements. Enter the fee amount paid for this registration.
- B. Payment Information:** Enter voucher number from ePay, if available.

IV. Public Notice

The Texas Health and Safety Code (THSC), §382.056 and corresponding rules in 30 TAC Chapter 39 (Public Notice), or the Standard Permit being claimed, may require that you publish a notice of application, or a consolidated Notice of Application and Intent to Obtain Permit and Notice of Application and Preliminary Decision. Notices must be published in a newspaper of general circulation in the municipality where the proposed facility is or will be located. The notice must include a description of the facility and the fact that a person who may be affected by emissions from the facility may submit comments about the project, request a public hearing – as applicable to the Standard Permit being claimed, or request any other information TCEQ requires by rule. Signs must also be posted around the proposed facility location – as applicable to the Standard Permit being claimed. Additional information regarding public notice such as an overview of requirements, an applicability table, and a list of some common errors that may cause re-notice and delays in processing your application can be found at www.tceq.texas.gov/permitting/air/bilingual/how1_2_pn.html.

Review the specific standard permit you are requesting authorization for on our Standard Air Permits web page at www.tceq.texas.gov/permitting/air/nav/standard.html to determine public notice requirements.

If you are unsure whether public notice applies, we encourage you to complete this section to expedite review of your application.

- A. Responsible Person:** A designated representative for the applicant should be identified as the person responsible for ensuring public notice is properly published in the appropriate newspaper and signs as applicable are posted at the facility site. Provide the name, title, company, mailing address, telephone number, fax number, and email address of the responsible person. This person will be contacted directly when TCEQ is ready to authorize public notice for the application. To expedite contact, email and fax numbers are requested.

- B. Technical Contact:** The THSC, §382.056 requires that each public notice contain a technical contact to represent the applicant during the public comment period. Provide the name, title, company, mailing address, telephone number, fax number, and email address of the technical contact. This person is responsible for answering any questions from the general public regarding the application and their name and phone number will be listed in the public notice. This person may or may not be the technical contact for the permit application review.
- C. Bilingual Notice:** In some cases, 30 TAC §39.405(h) or the Standard Permit being claimed requires that you publish public notice in an alternative language newspaper. The questions on the Form PI-1S are designed to assist you in determining if a bilingual notice is required. If an elementary or middle school nearest to the facility is in a school district required by the Texas Education Code to have a bilingual program, a bilingual notice will be required. If there is no bilingual program required in the school nearest the facility, but children who would normally attend those schools are eligible to attend bilingual programs elsewhere in the school district, the bilingual notice will also be required. If it is determined that alternate language notice is required, you are responsible for ensuring that the publication in the alternate language is complete and accurate in that language.
- D. Small Business Classification and Alternate Public Notice:** If a permit is being requested by a small business, the rules allow for alternative public notification requirements if all of the following are met:
- the company employs 100 people or less, or the company generates 6 million dollars or less in gross annual receipts;
 - the source is not a major stationary source under the federal operating permit requirements;
 - the site does not emit 50 tons per year or more of any individual regulated air contaminant; and
 - the site does not emit 75 tons per year or more of all regulated air contaminants combined.

If these requirements are met, public notice does not have to include publication of the prominent (15 square inch) newspaper notice.

V. Renewal Certification Option

Renewal projects qualify for the renewal certification option if the answer is, “No,” to each of the following questions in this section. The application for renewal certification projects does not need to include the Technical Information in Section VI. Except for renewals of a registration for the Standard Permit for Pollution Control Projects or Electric Generating Units, if a new version of the applicable standard permit has been issued since the applicant’s last action, the renewal certification option is not available.

Note: If notice is applicable and comments are received in response to the public notice, the application does not qualify for the renewal certification option.

- 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? The air contaminants and locations can be found on the TCEQ website at www.tceq.texas.gov/toxicology/apwl/apwl.html.
- B.** For facilities participating in the Houston/Galveston/Brazoria area (HGB) cap and trade program for highly reactive VOCs (HRVOCs), the HRVOCs need to be speciated on the maximum allowable emission rates table (MAERT). For information on the HGB area cap and trade program for HRVOCs refer to 30 TAC §115.10. If this permit authorized emission of ethylene, propylene, 1, 3-butadiene, or butenes, these emissions must be speciated on the MAERT.
- C.** Does the company and/or site have an unsatisfactory compliance history? The compliance history rating for the company and the site can be found on the TCEQ website at www2.tceq.texas.gov/oce/ch/index.cfm by entering the regulated entity number or customer name.

- D. Are there any applications currently under review for this standard permit registration?
- E. Are planned maintenance, startup, or shutdown emissions required to be included in the standard permit registration at this time?
- F. Are any of the following actions being requested at this time? For more information regarding changes to representations refer to 30 TAC §116.615.
 - Are there any facilities that have been permanently shutdown that are proposed to be removed from the standard permit registration?
 - The following can result in changes to the standard permit registration:
 - Changes to representations at the site
 - Emissions factors changes for any source
 - Emissions calculation methodology changes for any source
 A newer version of Compilation of Air Pollutant Emission Factors (AP-42) has been adopted with new emission factors (AP-42 can be found at www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emission-factors)
 As a result, do changes need to be made to the standard permit registration in order to remain in compliance?
 - 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?
 - Are there any changes to the current emission rates table being proposed?

VI. Technical Information Including State and Federal Regulatory Requirements

If any of the technical information below is not included with this submittal, it may result in a deficiency and voiding of the project. Additionally, any essential information (lab analysis, NAAQS compliance demonstrations, etc.) that is needed to confirm that facilities are meeting the requirements of the standard permit, must also be included. Attachments should include detailed demonstrations of compliance with all requirements.

A. Standard Permit Requirements: you must demonstrate compliance with the following, or provided detailed information for why any requirement is not applicable:

- General requirements in 30 TAC §§116.610 and 116.615,
- Emission limitations¹ of 30 TAC §106.261 or 30 TAC §106.262, and
- Individual requirements of the specific standard permit.

To assist you with preparing technical information, review our Air Quality Standard Permits General Requirements Checklist (TCEQ Form 20335) available on our Forms Search web page at www.tceq.texas.gov/search_forms.html. Use of the checklist is optional; however, your review will go faster if you supply this checklist.

B. Confidential Information: THSC, §382.041 requires us not to disclose any information related to manufacturing processes that is marked Confidential. Mark any information related to secret or proprietary processes or methods of manufacture as “Confidential,” if you do not want this information in the public file. All confidential information should be separated from the standard permit application and submitted as a separate file within the same submittal. Additional information regarding confidential information can be found at www.tceq.texas.gov/permitting/air/confidential.html.

¹ Unless specified by a particular standard permit, any project which results in a net increase of emissions of air contaminants from the project other than carbon dioxide, water, nitrogen, methane, ethane, hydrogen, oxygen, or those for which a National Ambient Air Quality Standard (NAAQS) has been established must meet the emission limitations of 30 TAC §106.261 or 30 TAC §106.262.

- C. Process Flow Diagram:** Provide a process flow diagram so that the permit reviewer can verify all technical information regarding the affected facility. The process flow diagram should be sufficiently descriptive so the permit reviewer can determine the raw materials to be used in the process; all major processing steps and major equipment items; individual emission points associated with each process step; the location and identification of all emission abatement devices; and the location and identification of all waste streams (including wastewater streams that may have associated air emissions). Block flow diagrams generally are not sufficient except for very simple facilities such as boilers.

Alternate material flows and changes in routing of emissions during periods of planned maintenance, startup, and shutdown (MSS) should be depicted as well as any alternate emission control devices that will be used during these periods.

- D. Process Description:** Provide a process description to accompany the process flow diagram that discusses each step in the process and provides a step-by-step explanation of exactly how your business operates. The description should lead the permit reviewer through the process with emphasis on where the emissions are generated, why the emissions must be generated, what air pollution controls are used (including process design features that minimize emissions), and where the emissions enter the atmosphere.

The process description must also explain how the facility or facilities will be operating when the maximum possible emissions are produced. For some source types, this will probably be the highest production rate. For other source types, the maximum emission rates may occur at partial load. When applicable, discuss cycle times, reaction times, temperatures, pressures, material flow rates, and production rates. Be specific, and do not use generalities such as a small amount, sometimes, and occasionally opened. The process description must also include how the facility is operated during periods of planned MSS and what emission reduction techniques will be used to limit emissions, changes in character of emissions, and the frequency and duration of each type of planned MSS activity.

All information in the process description is an enforceable representation.

- E. Maximum Emissions Data and Calculations:** Represent the maximum hourly and total annual emission rates of the project, including emission rates for planned MSS facilities and related activities. You must also provide a demonstration of expected continuous compliance with the represented emission rates.

Note: submittal of a Table 1(a) for standard permits is not required; however, your review will go faster if you supply the Table 1(a), which is available at www.tceq.texas.gov/permitting/air/forms/newsourcereview/tables/nsr_table1.html.

The permit reviewer must be able to duplicate all emission calculations to verify and confirm emissions data and rates represented in the application. Supporting calculations and the technical bases for the emission rates are required. Include all emission rates calculations and any assumptions made in determining the emission rates.

List and discuss planned MSS activities separately. Provide emission rates and supporting emissions information from planned MSS activities, frequency, and duration of all planned MSS activities, and all planned MSS activity effects on emission rates. Additionally, note all emission points unique to MSS activities. Maximum hourly emission rates, in pounds per hour, from planned MSS should be based on the maximum rates expected from the MSS activities. Annual planned MSS emission rates, in tons per year, should be based on the number of expected MSS activities during any consecutive 12-month period.

Maximum hourly emission rates, in pounds per hour, should be based on the maximum (design) production capacity of the facility. Dividing the annual emissions in tons per year by the annual hours of operation in order to determine hourly emissions in pounds per hour is often unacceptable and inaccurate since this approach typically underestimates hourly emissions.

Maximum annual emission rates, in tons per year, should reflect the operation of the facility throughout any consecutive 12-month period with consideration given to future facility growth.

Include a discussion of the hours of operation and how the hours of operation relate to emission rates on an hourly and annual basis.

If the process is a non-continuous batch operation, or there are widely varying operating scenarios, clearly identify and account for the variations in emissions in the maximum hourly and annual emission rates. Supply additional information to describe the emission variations, particularly for emissions from MSS facilities and related activities.

Include emission rate information for each air contaminant during production operations and during periods of planned MSS. Contaminants must be specifically identified. For example: methanol rather than hydrocarbons or polter/styrene resin dust and iron dust rather than dust. Provide applicable Material Safety Data Sheets (MSDS), Safety Data Sheets (SDS), Air Quality Data Sheets, or equivalent supporting documents that provide complete speciation for all mixtures that contain potential air contaminants.

If spreadsheets are used to estimate emissions, they should be formatted such that they are clear and easy to follow and include example calculations with units and the data sources for the inputs. The permit reviewer may request an electronic version of the spreadsheet to verify the emission calculations are correct.

- F. Plot Plan:** Provide a plot plan that clearly shows a scale, a north arrow, all property lines, emission points, buildings, tanks, process vessels, other process equipment, and two benchmark locations (preferably UTM coordinates). If you submit the plot plan electronically, the preferred format to use is *.dxf or *.dwg or any other computer aided drawing (CAD) format. Labeling on the plot plan listing identification of emission points, buildings, tanks, etc., must be consistent with other representations in the permit application such as emission calculations, process flow diagrams, Table 1(a), air dispersion modeling (if any), other permitting representations, and the TCEQ Emissions Inventory, if required.

Note: All emission points on the affected property must be identified, including emission points approved in other air authorizations (e.g., NSR permits, Standard Permits, PBRs, Standard Exemptions, and Title V Operating Permits). Please provide a table of all emission points that identifies the authorization type and authorization identifier, such as a permit number or rule citation under which each emission point is currently authorized.

- G. Projected Start of Construction Date, Projected Start of Operation Date, and Length of Time at the Site:** Provide the projected start of construction date, projected start of operation date, and the length of time the facility has been located at the site.

Note: Construction is broadly interpreted as anything other than site clearance or site preparation. Activities such as land clearing, soil load-bearing tests, leveling of the area, sewers and utility lines, road building, power line installation, fencing, and construction shack building are considered site clearance or preparation. Equipment may be received at a plant site and stored, provided no attempt is made to assemble the equipment or connect it to any electrical, plumbing, or other utility system. All work, such as excavation, form erection, or foundations upon which facilities will rest is considered construction. Submit any questions regarding the definition of start of construction to airperm@tceq.texas.gov with copies to the appropriate TCEQ regional office and any local air pollution control program(s) having jurisdiction. Each request for clarification must be in writing with sufficient detail to identify the specific activity in question, and the agency response to this request must be in writing for the authorization to be valid. Additional information can be found at www.tceq.texas.gov/permitting/air/newsourcereview/before.html.

VII. Delinquent Fees and Penalties

We will not process your application until all delinquent fees and applicable 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. More information regarding delinquent fee and penalties can be found at www.tceq.texas.gov/agency/financial/fees/delin/index.html.

VIII. Signature Requirements

The Company Official identified in Section I.B. must sign all copies of the application. The applicant's consultant cannot sign the application. If this project has a capital cost of more than \$2,000,000.00, this application must be submitted under seal of a Registered Texas Professional Engineer (P.E.) or the appropriate exemption must be claimed pursuant to the Texas Engineering Practice Act.

The Company Official's signature confirms knowledge of the facts included in the application, and affirms the facts contained in the application are true and correct. The signature also signifies awareness that intentionally or knowingly making false statements or representations in the application is a criminal offense subject to criminal penalties.

Note: Signatures must be original and in ink. Signatures may not be reproduced by photocopy, fax, or other means. The original signature must be received before any permit is issued.

Applicants may check application receipt and status using the New Source Review Air Permits web page at www2.tceq.texas.gov/airperm/index.cfm?fuseaction=airpermits.start. For questions relating to the initial receipt and administrative review of the application, please contact the Air Permits Initial Review Team at (512) 239-1250.

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/.

A copy must also be maintained on-site. For sites that normally operate unattended, a copy must be maintained at an office within Texas that has operational control of the site.

Also, all *subsequent* correspondence should be copied to the TCEQ regional office and local air pollution control program(s), as appropriate. Do not attach a copy of Form PI-1S to subsequent correspondence unless specifically requested, as this may cause another registration file to be created. Indicate the assigned TCEQ registration number, TCEQ regulated entity number, and permit reviewer, if known, on all subsequent correspondence.

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: Nous Initiative Investment LLC
B.	Company Official Contact Information: <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Other: _____
Name: Thomas Khien	
Title: Owner	
Mailing Address: 1305 Industrial Drive Unit A	
City: Royse City	
State: TX	
ZIP Code: 75189	
Telephone Number: 702-978-3665	
Fax Number:	
Email Address: Thomas@restingrainbow.com	
<i>All permit correspondence will be sent via email.</i>	
C.	Technical Contact Information <input type="checkbox"/> Mr. <input checked="" type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Other: _____
Name: Morgan Miller	
Title: Air Quality Permitting	
Company Name: American Crematory Equipment Company	
Mailing Address: 6601 Darin Way	
City: Cypress	
State: California	
ZIP Code: 90630	

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: 205-715-3697
Fax Number:
Email Address: morgan@americancrematory.com
II. Facility and Site Information
A. Name and Type of Facility
Facility Name: Resting Rainbow of East Dallas
Type of Facility:
<input checked="" type="checkbox"/> Permanent
<input type="checkbox"/> Temporary
For portable units, please provide the serial number of the equipment being authorized below.
Serial No(s):
B. Facility Location Information
Street Address: 1305 Industrial Drive Unit A
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: Royse City
County: Rockwall
ZIP Code: 75189
C. Core Data Form (required for Standard Permits 6006, 6007, and 6013).
Is the Core Data Form (TCEQ Form 10400) attached?
<input type="checkbox"/> Yes <input type="checkbox"/> No
Customer Reference Number (CN):
Regulated Entity Number (RN):
D. TCEQ Account Identification Number (if known):

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

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

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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If "Yes," enter permit number(s) in the spaces provided below.
J. Affected Air Preconstruction Permits
Does the standard permit directly affect any permitted facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If "Yes," enter permit number(s) in the spaces provided below.
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> To Be Determined
Check the requirements of 30 TAC Chapter 122 that will be triggered if this standard permit is approved (<i>check all that apply</i>). <input type="checkbox"/> Initial Application for a FOP <input type="checkbox"/> Significant Revision for a SOP <input checked="" type="checkbox"/> Minor Revision for a SOP <input type="checkbox"/> Operational Flexibility/Off Permit Notification for a SOP <input type="checkbox"/> Revision for a GOP <input type="checkbox"/> To be Determined <input type="checkbox"/> None
Identify the type(s) of FOP issued and/or FOP application(s) submitted/pending for the site. (<i>check all that apply</i>) <input checked="" type="checkbox"/> SOP <input type="checkbox"/> SOP application/revision (submitted or under APD review) <input type="checkbox"/> GOP <input type="checkbox"/> GOP application/revision (submitted or under APD review) <input type="checkbox"/> N/A

Form PI-1S
Registrations for Air Standard Permit
(Page 5)
Texas Commission on Environmental Quality

III. Fee Information (go to www.tceq.texas.gov/epay to pay online)
A. Fee Amount: 900.00
B. Voucher number from ePay: 817002
IV. Public Notice (if applicable)
<p>A. Responsible Person</p> <p><input type="checkbox"/> Mr.</p> <p><input type="checkbox"/> Mrs.</p> <p><input type="checkbox"/> Ms.</p> <p><input type="checkbox"/> Other: _____</p>
Name:
Title:
Company:
Mailing Address:
City:
State:
ZIP Code:
Telephone No.:
Fax No.:
Email Address:
<p>B. Technical Contact</p> <p><input type="checkbox"/> Mr.</p> <p><input type="checkbox"/> Mrs.</p> <p><input type="checkbox"/> Ms.</p> <p><input type="checkbox"/> Other: _____</p>
Name:
Title:
Company:
Mailing Address:
City:
State:
ZIP Code:

Form PI-1S
Registrations for Air Standard Permit
(Page 6)
Texas Commission on Environmental Quality

IV. Public Notice (if applicable)
B. Technical Contact
Telephone Number:
Fax Number:
Email Address:
C. Bilingual Notice
Is a bilingual program required by the Texas Education Code in the School District? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No
If "Yes," list which language(s) are required by the bilingual program below? Language(s): _____ 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the site emissions of any individual regulated air contaminant equal to or greater than 50 tpy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the site emissions of all regulated air contaminant combined equal to or greater than 75 tpy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Form PI-1S
Registrations for Air Standard Permit
(Page 7)
Texas Commission on Environmental Quality

V. Renewal Certification Option	
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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
C.	Does the company and/or site have an unsatisfactory compliance history? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
D.	Are there any applications currently under review for this standard permit registration? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
E.	Are scheduled maintenance, startup, or shutdown emissions required to be included in the standard permit registration at this time? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
F.	Are any of the following actions being requested at the time of renewal: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1.	Are there any facilities that have been permanently shut down that are proposed to be removed from the standard permit registration? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2.	Do changes need to be made to the standard permit registration in order to remain in compliance? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4.	Are there any changes to the current emission rates table being proposed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.	

Form PI-1S
Registrations for Air Standard Permit
(Page8)
Texas Commission on Environmental Quality

VI. Technical Information Including State and Federal Regulatory Requirements
<p>Place a check next to the appropriate box to indicate what you have included in your submittal. <i>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.</i></p>
<p>A. Standard Permit requirements (Checklists are optional; however, your review will go faster if you provide applicable checklists.)</p>
<p>Did you demonstrate that the general requirements in 30 TAC §§116.610 and 116.615 are met? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Did you demonstrate that the individual requirements of the specific standard permit are met? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>B. Confidential Information (All pages properly marked "CONFIDENTIAL"). <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>C. Process Flow Diagram. <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>D. Process Description. <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>E. Maximum Emissions Data and Calculations. <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>F. Plot Plan. <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>G. Projected Start of Construction Date, Start of Operation Date, and Length of Time at Site: <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Projected Start of Construction (provide date):</p>
<p>Projected Start of Operation (provide date):</p>
<p>Length of Time at the Site:</p>

Form PI-1S
Registrations for Air Standard Permit
(Page 9)
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):

Signature (original signature required):

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/.

Form PI-1S
Registrations for Air Standard Permit
(Page 9)
Texas Commission on Environmental Quality

VII. Delinquent Fees and Penalties

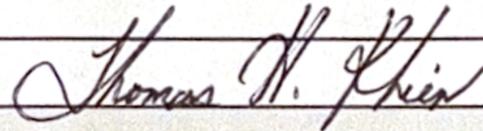
This form **will not be processed** until all delinquent fees and/or penalties owed to TCEQ or the Office of the Attorney General on behalf of TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ website at:
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Name (printed): THOMAS KHLEN

Signature (original signature required):



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/

Form PI-1S
Registrations for Air Standard Permit
(Page 5)
Texas Commission on Environmental Quality

III. Fee Information (go to www.tceq.texas.gov/epay to pay online)
A. Fee Amount: 900.00
B. Voucher number from ePay: 817002
IV. Public Notice (if applicable)
A. Responsible Person
<input checked="" type="checkbox"/> Mr.
<input type="checkbox"/> Mrs.
<input type="checkbox"/> Ms.
<input type="checkbox"/> Other: _____
Name: Thomas
Title: Owner Khien
Company: Resting Rainbow of East Dallas
Mailing Address: 1305 Industrial Drive Unit A
City: Royse City
State: Texas
ZIP Code: 75189
Telephone No.: 702-978-3665
Fax No.:
Email Address: Thomas@restingrainbow.com
B. Technical Contact
<input type="checkbox"/> Mr.
<input checked="" type="checkbox"/> Mrs.
<input type="checkbox"/> Ms.
<input type="checkbox"/> Other: _____
Name: Morgan Miller
Title: Air Quality Permitting
Company: American Crematory Equipment Company
Mailing Address: 6601 Darin Way
City: Cypress
State: California
ZIP Code: 90630

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Registrations for Air Standard Permit
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IV. Public Notice (if applicable)
B. Technical Contact
Telephone Number: 205-715-3697
Fax Number:
Email Address: morgan@americancrematory.com
C. Bilingual Notice
Is a bilingual program required by the Texas Education Code in the School District? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If "Yes," list which language(s) are required by the bilingual program below? Language(s): Not required but elected: Spanish _____ 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the site emissions of any individual regulated air contaminant equal to or greater than 50 tpy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the site emissions of all regulated air contaminant combined equal to or greater than 75 tpy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

American CREMATORY EQUIPMENT CO.

"SERVICE IS EVERYTHING"

CREMATION PROCESS DESCRIPTION

During incineration, the body is exposed to a column of flames produced by a furnace fueled by natural gas, oils, propane, etc. As the corpse is placed in a casket or container (preferably prepared from a combustible material), the container burns down. Next, the heat dries the body, burns the skin and hair, contracts and chars the muscles, vaporizes the soft tissues, and calcifies the bones so that they eventually crumble. The gases released during the process are discharged through an exhaust system. The bodies are mostly burned one at a time. There is usually no smell because the emissions are processed to destroy the smoke and vaporize the gases that would smell. Some crematories have a secondary afterburner to help burn the body completely. Otherwise, the cremation technician may have to crush the partially cremated remains with the help of a long hoe like rod. As a result, the corpse is reduced to skeletal remains and bone fragments. It is then collected in a tray or pan (tiny residue may still remain in the chamber and mix with the particles from subsequent cremations) and allowed to cool for some time. These remains, however, also contain non-consumed metal objects such as screws, nails, hinges, and other parts of the casket or container. In addition, the mixture may contain dental work, dental gold, surgical screws, prosthesis, implants, etc. These objects are removed with the help of strong magnets and/or forceps after manual inspection. All these metals are later disposed of as per the local laws. Mechanical devices, pacemakers, in particular, are removed beforehand because they may explode due to the intense heat and damage the cremation equipment and staff. It is suggested to remove jewelry items like rings, wrist washes, and other similar objects, too, as they are likely to break down during the process. Moreover, the metal pieces are removed before the next process because they may damage the equipment used for pulverization. Finally, the dried bone fragments are further ground into a finer sand like consistency. The machine used for this pulverization is called cremulator. On an average, it takes about one to three hours to cremate a human body, thereby reducing it to 37 pounds of cremains. The cremation remains are usually pasty white in color. 2/2/2017 How Is A Body Cremated? | Cremation Resource <http://www.cremationresource.org/cremation/howisabody-cremated.html> 3/3 These remains are transferred in a cremation urn and given to the relative or representative of the deceased. If you do not have an urn, the crematorium may return the ashes in a plastic box or default container. Factors Affecting Cremation Time The duration of a cremation process usually depends on certain factors. They are: weight or size of the body percentage of body fat to lean muscle mass the performance of cremation equipment's used operating temperature of the cremation chamber the type of cremation container or casket in which the body is placed

A-250P-SXS (Double) Model Specifications

1. Equipment
 - A-250-P-SXS (Double)
2. Operating Systems
 - PLC & Touch Screen Control System (ACS-1)
 - GUARDIAN DAS Control System
 - American Instant Access Control System
 - Aries Combustion Control System
3. Dimensions
 - Footprint..... 17'7"x 6'9"
 - Length..... 17' 7"
 - Width 6' 9"
 - Height 8' 8"
 - Chamber Loading Opening..... 41"x 32"
4. Weight = 36,000 Lbs.
5. Utility/Air Requirements
 - Gross Gas Input, Natural, or LP GAS.....2.5 Million BTU/Hr. Max. Input
 - Running Gas Pressure, Natural Gas..... 12-14" W.C. or Greater
 - Running Gas Pressure, LP Gas..... 11" W.C. or Greater
 - Electrical Supply.....230 Volt, 3 Phase or Single Phase, 50/60 HZ
 - Air Supply..... 2,500 cfm
6. Cremation Capacity..... 150 lbs./Hr.
7. Typical Loading Capacity of Waste Types
 - Type 4 Material..... Up to 400 lbs.
8. Construction and Safety Standards
 - UL 2790 & NFPA 86, 54
9. Steel Structure Construction
 - Frame..... 2"x 2" Square Tubing
 - Front/Rear Plates..... 3/8" Plate
 - Exterior Side Casing..... 12 Gauge Hot Rolled Sheet
 - Interior Casing..... 12 Gauge Hot Rolled Sheet

10. Stack Construction

- Carbon Steel or Stainless Steel (Optional)..... 14 Gauge Seal Welded Seams
- Refractory Lining..... 4.5" 2800 Degree Castable
- Stack Weight..... 1000 Lbs.

11. Venturi Construction

- 310 Stainless Steel Dual Wall Welded Construction

12. Main Chamber Door

- Carbon Steel 1/4" Plate
- Door Seal..... 4" Ceramic Fiber Construction
- Refractory Lining..... 2800 Degree Insulating Castable

13. Primary Chamber Wall Construction

- Exterior Casing Wall.....12 Gauge Hot Rolled Sheet
- Interior Frame/Cavity.....2" Heat Dissipation & Insulation Cavity
- Interior Casing Wall.....12 Gauge Hot Rolled Sheet
- Interior Refractory Wall Insulation.....5" 1900 Degree Insulating Block
- Interior Refractory Walls (Combination Wall)9" x 4.5" x 2.5" 3200 Degree Super Duty Firebrick & 2600 Degree Insulating Fire Brick (Optional Interlocking Fire Brick Available)

14. Secondary Chamber Wall Construction

- Exterior Casing Wall.....12 Gauge Hot Rolled Sheet
- Interior Frame/Cavity.....2" Heat Dissipation & Insulation Cavity
- Interior Casing Wall.....12 Gauge Hot Rolled Sheet
- Interior Refractory Wall Insulation.....6" 1900 Degree Insulating Block
- Interior Refractory Walls (Combination Wall) 9" x 4.5" x 2.5" 3000 Degree Super Duty Firebrick & 2600 Degree Insulating Fire Brick

15. Refractory Temperature Ratings

- Super Duty Firebrick..... 3,200 Degrees F
- Insulating Firebrick..... 2,600 Degrees F
- Castable Refractory (Hearth)..... 3,200 Degrees F
- Castable Refractory (Arch Roof)..... 3,000 Degrees F
- Insulating Block..... 1,900 Degrees F
- Brick Mortar..... 3,200 Degrees F

16. Chamber Volumes (Not Including External Flues, Stacks, or Chimneys)

- Primary Chambers..... 21 Cubic Ft
- Afterburner Chamber..... 145 Cubic Ft

17. Emission Control Features

- Secondary Chamber Afterburner..... Standard
- Opacity Monitor and Combustion Control..... Standard
- O2 Monitoring and Control..... Optional
- Combustion Air Control System..... Standard
- Temperature Control System..... Standard
- Fuel to Air Ratio Input Control System..... Standard

18. Operating Temperatures

- Primary Chamber..... 1,550°F – 1,750°F
- Secondary Chamber..... 1,650°F – 1,850°F

19. Secondary Chamber Retention Time

- Type 4 material..... 150 lbs./hr.
- Retention time..... 2.2 Seconds

20. Safety Interlocks

- High Gas Pressure..... Standard
- Low Gas Pressure..... Standard
- Dual (normally closed) Safety Shut Off Single Housing Gas Valve. Standard
- Blower Air Pressure..... Standard
- Door Position..... Standard
- Opacity..... Standard
- Motor Starter Function..... Standard
- Hydraulic Door System Motor Starter..... Standard
- Low Fire Hold (Cremation Chamber)..... Optional
- Motor Starter Overloads..... Standard
- Proof of Closure Afterburner & Cremation Burner..... Standard
- Flame Safeguard Standard
- Combustion Monitoring and Diagnostics..... Optional

- 21. Burner DescriptionMedium Velocity, Low NOx, Nozzle Mix, Eclipse Therm Jet Burners
- 22. Ultraviolet Flame Detection..... Standard
- 23. Operating Panel Indication Switch & Lights
 - Blower Start..... Standard
 - Safe Run..... Standard
 - Door Closed..... Standard
 - Opacity Alarm..... Standard
 - Afterburner (Secondary Burner) On/Off..... Standard
 - Cremation Burner (Primary Burner) On/Off..... Standard
 - Temperature Control Afterburner/Hi Limit..... Standard
 - Afterburner Flame Fail(Secondary Burner) Reset..... Standard
(Remote Reset on Trilogy Models)
 - Cremation Burner Process Temperature Control..... Standard
 - Cremation Burner Flame Fail(Primary Burner)..... Standard
(Remote Reset on Trilogy Models)
 - Remains Cool Down..... Optional
 - Hearth Air On/Off..... Standard
 - Throat Air On/Off..... Standard
- 24. Automatic Process Control
 - Master Cycle Timer..... Standard
 - Afterburner (Secondary Burner)..... Standard
 - Cremation Burner (Primary Burner Delay)..... Standard
 - Heart Air (Delay)..... Standard
 - Throat Air (Delay)..... Standard
 - Emissions Monitoring & Recording..... Optional/As Required
 - Afterburner (Secondary Burner) Purge Standard
 - Cool Down Timer..... Standard
 - Opacity Combustion Control System..... Optional/As Required
 - PLC & Touch Screen Control System..... Optional
 - GUARDIAN DAS Control & Monitoring System..... Optional
 - Aries Combustion Control System..... Optional
 - American "Instant Access..... Optional

25. Manual Process Control

- Throat Air Potentiometer
- Hearth Air Potentiometer

26. Removal

- Front End Hopper Which Funnel to Isolated Collection Pan.

27. Exterior Finish

- Primer..... 2 Coats Rust Inhibiting
 - Finish..... 2 Coats Zolatone
- Standard Gray (Optional Colors Available)

28. Start-up and Training..... Startup of cremation equipment and training of the operators to properly maintain and operate the equipment is performed on-site under actual operating conditions. Included is an owner’s manual with details on the equipment, it’s components, and proper operation.



BEATTY ENVIRONMENTAL SERVICES, INC.

315 SE 20TH PL, CAPE CORAL, FL 33990
PHONE: (239) 246-3646
EMAIL: BEATTYENVIRONMENTAL12@GMAIL.COM

Compliance Section
Broward County
Pollution Prevention Division-Air Quality Division
1 North University Drive, Suite 203
Plantation, Florida 33324

June 17, 2024

Re: Resting Rainbow Pet Memorials and Cremations
Airs ID: 0112793

Dear Compliance Section,

On May 9, 2024, EPA Methods 1-5, 9 and 10 Testing for Particulate(PM), VisibleEmissions(VE) and Carbon Monoxide(CO) were conducted at Resting Rainbow Pet Memorials and Cremations located at 4340 NW 19th Avenue Suite D in Deerfield Beach Florida.

The following emission unit (EU) was tested:

EU-001 Animal Crematory

If you have any questions regarding this report please contact our offices directly as soon as possible.

Sincerely,



Zachary Beatty
Beatty Environmental Services, Inc.

Electronic Copy to: Resting Rainbow Pet Memorials and Cremations

Source Test Report for Particulate & Visible Emissions

Report 24025-ST

Conducted:
May 9, 2024

Prepared For:
Resting Rainbow Pet Memorials and Cremations
FID# 0112793

By:
Beatty Environmental Services Inc. 315 SE 20th
Place
Cape Coral, FL 33990
(239) 246-3646



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1.0 Introduction

Resting Rainbow Pet, Facility ID 0112793, located at 4340 NW 19th Avenue, Suite E in Deerfield, Florida operates a Animal Crematory. On May 9, 2024, testing was performed for Particulate Matter (PM), Visible Emissions (VE), and Carbon Monoxide (CO) on EU-001.

The tests were performed in order to comply with the Florida Air General Permit (AGP) and Broward County Department of Planning and Environmental Protection, Air Quality Division, Chapter 27 Article IV, Air Quality, Section 27-179(c)(2).

During the testing period, Joseph Castranova the Facility CEO certified a log containing the emission control device and process data. This information is presented along with the temperature control chart for the afterburner in Attachment C of this report.

2.0 Certification of Test Results

Facility Tested Resting Rainbow Pet Memorials and Cremations
4340 NW 19th Avenue Suite E
Deerfield Beach, Florida 33064

Type Process Animal Crematory

Abatement Device Afterburner

Report 24025-ST

Date May 9, 2024

Actual Particulate Matter Emissions (gr/dscf@7%O2) - 0.0369

Allowable Particulate Emissions (gr/dscf@7%O2) - 0.08

Actual Visible Emission (VE) (Highest six minute average %) - 0.00

Allowable Visible Emission (VE) (Highest six minute average %) - 5.00

Actual Carbon Monoxide Emission (CO) (ppm@7%O2) - 34.39

Allowable Carbon Monoxide Emission (CO) (ppm@7%O2) - 100

I hereby certify that to my knowledge, all information and data submitted in this report is true and correct.

Nicholas Decker

Nicholas Decker
Field Manager

3.0 Allowable Emission Determination

The allowable emissions were determined by permit specific conditions.

Substantiating data and calculations are presented in the Appendix D.

4.0 Cyclonic Flow Determination

EPA Method 1

“11.4.1 In most stationary sources, the direction of stack gas flow is essentially parallel to the stack walls. However, cyclonic flow may exist (1) after such devices as cyclones and inertial demisters following venturi scrubbers, or (2) in stacks having tangential inlets or other duct configurations which tend to induce swirling; in these instances, the presence or absence of cyclonic flow at the sampling location must be determined.”

Due to the configuration of the system, cyclonic flow was considered to be non-existent at the sampling site.

CYCLONIC FLOW DETERMINATION

EPA Method 1, Section 11.4

FACILITY NAME:

Resting Rainbow Pet Memorials and Cremations

REPORT NUMBER

24025-ST

Facility ID

FID# 0112793

AVERAGE FLOW ANGLE:

0.0

CYCLONIC FLOW: (Yes/No)

No

(Note: Average flow angle must be less than 20 degrees)

Date: May 9, 2024

POINT NUMBER	FLOW ANGLE (DEG)	FLOW DIRECTION (PROBE ROTATION TOWARDS) (L, R)
1	0.0	
2	0.0	
3	0.0	
4	0.0	
5	0.0	
6	0.0	
7	0.0	
8	0.0	
9	0.0	
10	0.0	
11	0.0	
12	0.0	
1	0.0	
2	0.0	
3	0.0	
4	0.0	
5	0.0	
6	0.0	
7	0.0	
8	0.0	
9	0.0	
10	0.0	
11	0.0	
12	0.0	

IF DEG 0 NO Flow direction is needed.

Average = 0.0

5.0 Summary of Results
 Resting Rainbow Pet Memorials and Cremations
 FID# 0112793
 24025-ST

	Run 1	Run 2	Run 3	Average
Date	5/9/2024	5/9/2024	5/9/2024	
Start Time	8:20	9:38	11:00	
Stop Time	9:22	10:40	12:02	
Process Rate (tons/hr.)	128	144	140	137
Particulate Emission Rate (gr./dscf @ 7% O ₂)	0.0364	0.0649	0.0092	0.037
Allowable Particulate Emission Rate (gr./dscf @7% O ₂)	0.080	0.080	0.080	0.080
Visible Emission Rate (%) (highest six minute average)				0.00
Allowable Visible Emission Rate (%)				5
Carbon Monoxide Emission Rate (ppm @7% O ₂)	5.64	95.02	2.51	34.39
Allowable Carbon Monoxide Emission Rate (ppm @7% O ₂)	100	100	100	100

6.0 Particulate Emission Results

Resting Rainbow Pet Memorials and Cremations

FID# 0112793

24025-ST

	Run 1	Run 2	Run 3
Area (square feet)	2.07	2.07	2.07
Stack Pressure (inches Hg)	29.99	29.99	29.99
Meter Pressure (inches Hg)	30.09	30.08	30.17
Sample Volume (Std. Cu. Ft.)	37.985	37.272	49.305
Water Vapor (Cubic Feet)	2.74	3.42	4.17
Sample Moisture (percent)	6.73	8.40	7.79
Saturation Moisture (percent)	100.00	100.00	100.00
Molecular Weight (lbs/lb Mole wet)	28.29	28.08	28.17
Velocity (fpm)	1105	1084	1623
Volumetric Flow Rate (acfm)	2291	2249	3367
Volumetric Flow Rate (scfm-dry)	988	909	1178
Concentration (gr/dscf)	0.0136	0.0265	0.0033
Concentration@7% O2 (gr/dscf)	0.0364	0.0649	0.0092
Mass Emission Rate (lbs./hr.)	0.11	0.21	0.03
Percent Isokinetic	97.37	103.81	106.02

7.0 Visible Emission Results

Resting Rainbow Pet Memorials and Cremations

FID# 0112793

24025-ST

Emission Point	Allowable Emission Rate (highest six minute average)	Emission Rate (highest six minute average)	Average Opacity
Exhaust Stack	5	0.00	0.00

8.0 Carbon Monoxide Emission Results
Resting Rainbow Pet Memorials and Cremations
FID# 0112793
24025-ST

	Run1	Run 2	Run 3	Average
Date	5/9/2024	5/9/2024	5/9/2024	
Start Time	8:20	9:38	11:00	
Stop Time	9:22	10:40	12:02	
Percent Oxygen	15.7258	15.2225	15.8379	
Carbon Monoxide (PPM)	2.10	38.81	0.91	
Carbon Monoxide Emissions (PPM @ 7% O ₂)	5.64	95.02	2.51	34.39
Carbon Monoxide Allowable (PPM@ 7% O ₂)	100	100	100	100

9.0. Overview of Field and Analytical Procedures

9.1. EPA Method 1 - Sample and Velocity Traverses for Stationary Sources Principle - To aid in the representative measurement of pollutant emissions and/or total volumetric flow rate from a stationary source, a measurement site where the effluent stream is flowing in a known direction is selected and the cross-section of the stack is divided into a number of equal areas. A traverse point is then located within each of these equal areas. See Sampling Point Determination.

Applicability - This method is applicable to flowing gas streams in ducts, stacks and flues. This method cannot be used when: 1) flow is cyclonic or swirling 2) a stack is smaller than about 12 inches in diameter, or 0.071 cross-sectional area or 3) the measurement site is less than two stack or duct diameters downstream or less than a half diameters upstream from a flow disturbance. The procedures in this method were utilized in its entirety according to the procedures outlined in 40 CFR Part 60, Appendix A.

9.2. EPA Method 2 - Determination of Stack Gas Velocity and Volumetric Flow Rate Principle - Type S Pitot Tube - The average gas velocity in a stack is determined from the gas density and from measurement of the average velocity head with a Type S pitot tube.

Applicability - This method is applicable for measurement of the average velocity of a gas stream and for quantifying gas flow. This procedure is not applicable at measurement sites which fail to meet the criteria of Method 1. This method cannot be used for direct measurement in cyclonic or swirling gas streams. The procedures in this method were utilized in its entirety according to the procedures outlined in 40 CFR Part 60, Appendix A.

9.3. EPA Method 3 - Gas Analysis for the EPA Determination of Dry Molecular Weight Principle - A gas sample is extracted from a stack by one of the following methods (1) A multi-point grab sampling method using an Orsat analyzer to analyze the individual grab sample obtained at each point; (2) a method for measuring either CO₂ or O₂ and using stoichiometric calculations to determine dry molecular weight; and (3) assigning a value of 30.0 for dry molecular weight, in lieu of actual measurements, for processes burning natural gas, coal, or oil.

Applicability - This method is applicable for determining carbon dioxide and oxygen concentrations and dry molecular weight of a sample from a gas stream of a fossil fuel combustion process. The method may also be applicable to other processes where it has been determined that compounds other than CO₂, O₂, CO, and nitrogen are not present in concentrations sufficient to affect the results. The procedures in this method were utilized in its entirety according to the procedures outlined in 40 CFR Part 60, Appendix A.

9.4. EPA Method 4 - Determination of Moisture Content in Stack Gases Principle - A gas sample is extracted at a constant rate from the source; moisture is removed from the sample stream and determined either volumetrically or gravimetrically.

Applicability - This method is applicable for determining the moisture content of stack gas. There are two procedures given to determine the moisture. The procedure for the reference method to determine the moisture content was used to calculate the emission data. The reference method was conducted simultaneously with the pollutant emission measurement run, pollutant emission rate, etc. for the run is based upon the results of the reference method or its equivalent. The procedures in this method were utilized in its entirety according to the procedures outlined in 40 CFR Part 60, Appendix A.

9.5 EPA Method 5 - Determination of Particulate Emissions from Stationary Sources

Principle - Particulate matter is withdrawn isokinetically from the source collected on a glass fiber filter maintained at a temperature in the range of 223-273 degrees F or such other temperature as specified by an applicable subpart of the standards or approved by the Administrator, US Environmental Protection Agency for a particular application. The particulate mass which includes any material that condenses at or above the filtration temperature is determined gravimetrically after removal of uncombined water.

Applicability - This method is applicable for the determination of particulate emissions from stationary sources. The procedures in this method were utilized in its entirety according to the procedures outlined in 40 CFR Part 60, Appendix A.

Diagram of EPA Method 5 Sampling Train

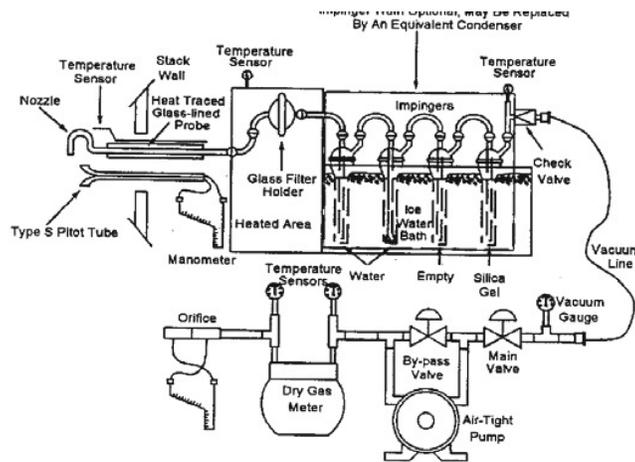


Figure F5-1. Particulate Sampling Train.

9.6 EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources

Principle - The opacity of emissions from stationary sources is determined visually by a qualified observer.

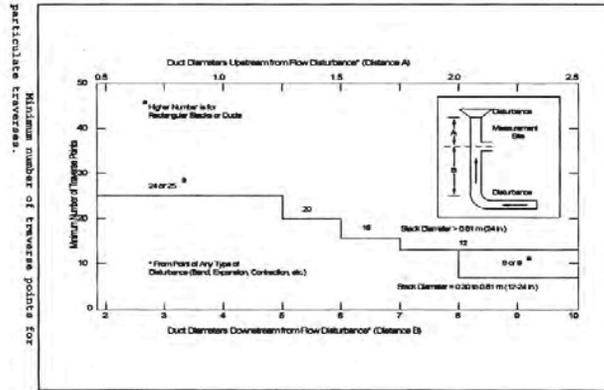
Applicability - This method is applicable for the determination of the opacity of emissions from stationary sources pursuant to 60.11(b) and for qualifying observers or visually determining the opacity of emissions.

9.7 EPA METHOD 10-DETERMINATION OF CARBON MONOXIDE EMISSIONS FROM STATIONARY SOURCES

Applicability. When is this method required The use of Method 10 may be required by specific New Source Performance Standards, State Implementation Plans, and permits where CO concentrations in stationary source emissions must be measured, either to determine compliance with an applicable emission standard or to conduct performance testing of a continuous emission monitoring system (CEMS). Other regulations may also require the use of Method 10.

9.0 Sampling Point Determination Procedure

Minimum Number of Sampling Points Per Traverse



Circular Stacks

The number of sampling points is selected according to the above diagram, with the number of points equaling the next higher multiple of four.

Rectangular Stacks

The number of sampling points is determined using the matrix below.

Number of Traverse Points	Subarea Layout Matrix
9	3x3
12	4x3
16	4x4
20	5x4
25	5x5
30	6x5
36	6x6
42	7x6
49	7x7

9.1 Sampling Point Determination
Resting Rainbow Pet Memorials and Cremations
FID# 0112793
24025-ST

Stack Configuration	Circular
Diameter (inches)	19.5
Distance A - Ports located upstream from disturbance (inches)	18
Distance A - Ports located upstream from disturbance (diameters)	0.9
Distance B - Ports located downstream from disturbance (inches)	162
Distance B - Ports located downstream from disturbance (diameters)	8.3
Number of Test Ports	2
Wall or Port length	7
Number of Sampling Points per Traverse	12
Number of Points Sampled	24

Photograph of Stack



Traverse Point Location	
Traverse Point No.	Inches to Sample Point offset
1	7.5
2	8.3
3	9.3
4	10.5
5	11.9
6	13.9
7	19.6
8	21.6
9	23.0
10	24.2
11	25.2
12	26.0

10.0 Summary of Field and Laboratory Data
 Resting Rainbow Pet Memorials and Cremations
 FID# 0112793
 24025-ST

	Run 1	Run 2	Run 3
Date	5/9/2024	5/9/2024	5/9/2024
Start Time	8:20	9:38	11:00
Stop Time	9:22	10:40	12:02
CP	0.84	0.84	0.84
Y	1.0000	1.0000	1.0000
^Ha (inches H2O)	1.8500	1.8500	1.8500
Diameter of Nozzle (inches)	0.5003	0.5003	0.5003
Stack Diameter or Equivalent (inches)	19.50	19.50	19.50
Static Pressure (inches H2O)	-0.05	-0.05	-0.05
Barometric Pressure (inches Hg)	29.99	29.99	29.99
Test Time (minutes)	60	60	60
Meter Volume (cubic feet)	38.587	38.216	50.790
Square Root ^P (inches H2O)	0.221	0.211	0.293
Orifice Pressure ^H (inches H2O)	1.414	1.273	2.448
Average Meter Temperature (Deg. F)	79.3	84.1	88.2
Average Stack Temperature (Deg. F)	684.4	738.3	934.6
Particulate Sample Weight (grms)	0.0334	0.0641	0.0107
Water Collected (grms)	58.1	72.5	88.4
Percent CO2	2.5	2.5	2.5
Percent O2	15.7	15.2	15.8
Molecular Weight (lbs/lb Mole)	29.03	29.01	29.03
Nozzle Area (square feet)	0.00137	0.00137	0.00137

Attachment A - Field Data



Beatty Environmental Services, Inc.

315 SE 20th Pl
Cape Coral, Florida 33990
(239) 246-3646

beattyenvironmental12@gmail.com

VISIBLE EMISSION OBSERVATION FORM

Method Used (Circle One)
 Method **B** 203A 203B Report

Company Name: **Resting Rainbow Pet Memorials and Cremations**
 FID: **0112793**
 Street Address: **4340 NW 19th Avenue Suite E**
 City: **Deerfield Beach** Zip Code: **33064**
 Phone No.:

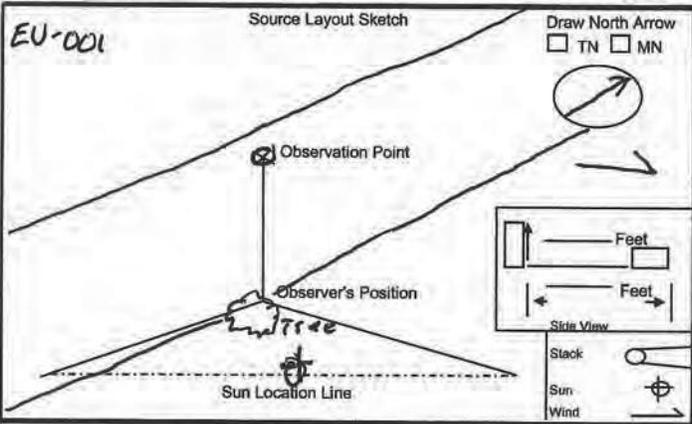
Process: **Animal Cremation** Unit #: Operating Mode: **150 lbs/hr**
 Control Equipment: **Afterburner** Operating Mode: **21600°F**

Describe Emission Point: **American A-250P-SXS (150 lb/hr)**
 Ht of Emis. Point: **~25'** Ht Rel to Observer: **~3'**
 Distance to Emis. Pt.: **~35'** Direction to Emis. Pt. (Degrees): **293°**

Vertical Angle to Obs.: **2°** Direction to Obs. Pt. (Degrees): **293°**
 Distance and Direction to Obs. Pt from Emission Pt: **N/A**

Describe Emissions: **None**
 Emission Color: **None** Water Droplet Plume: **None**
 Attached Detached: **None**

Describe Plume Background: **Hill**
 Background Color: **Green** Sky Conditions: **Broken**
 Wind Speed: **3-5 mph** Wind Direction: **SW**
 Ambient Temp.: **80°** Wet Bulb Temp.: **74°** % RH: **80%**

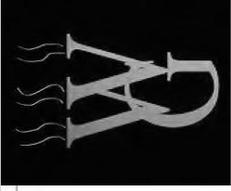


Latitude: **26°16'59"** Longitude: **80°8'55"** Declination: **-**

Comments: **observation made from roof**
 START STOP

Observation Date		5/9/24				Start Time		0820				Stop Time		0920			
Min	Sec	0				Min	Sec	0				Min	Sec	0			
		0	15	30	45			0	15	30	45			0	15	30	45
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						
30		0	0	0	0	60		0	0	0	0						

Number of Readings Above 0% Were 0 Average Opacity for Highest 6 Min Period 0%
 Range of opacity Readings: Min 0% Max 0%
 Observers Name (Print): **DR Beatty** Date: **5/9/24**
 Observers Signature: *[Signature]*
 Organization: **Beatty Environmental Services, Inc.**
 Certified By: **Whitlow-Green** Date: **4/15/24**



WHITLOW GREEN EPA SMOKE SCHOOL, LLC

WWW.SMOKESCHOOL.NET

CERTIFIES THAT

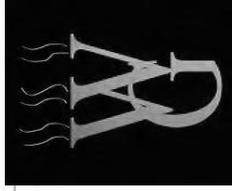
DAN BEATTY-BEATTY ENVIRONMENTAL SERVICES, INC.

Has passed the certification test required by EPA Method 9
40 CFR 60 Appendix A and is qualified as a visible emissions evaluator.

Certification Date: April 15, 2024 Location: North Fort Myers, FL

Jerry Green & Gary Green
OWNERS

FL41524-DB-BEATTYENVIRONMENTALSERVICESINC.-01



WHITLOW GREEN EPA SMOKE SCHOOL, LLC

WWW.SMOKESCHOOL.NET

CERTIFIES THAT

DAN BEATTY-BEATTY ENVIRONMENTAL SERVICES, INC.

Has attended the visible emissions evaluator course classroom lecture.

Certification Date: April 15, 2024 Location: North Fort Myers, FL

Jerry Green & Gary Green
OWNERS

FL41524-DB-BEATTYENVIRONMENTALSERVICESINC.-01



Facility Name: Resting Rainbow Pet
 Unit: (Model #American A-250P-SXS(150lb/hr))
 Facility ID: 0112793
 Date: 5/9/2024
 Test No.: 24025-ST
 Run No.: 1
 Start: 8:20
 Stop: 9:20

UNCORRECTED RAW DATA

Date/Time	O2 %	CO PPM
5/9/2024 8:20	14.80	0.00
5/9/2024 8:21	14.84	0.00
5/9/2024 8:22	14.77	0.00
5/9/2024 8:23	14.83	0.00
5/9/2024 8:24	14.85	0.00
5/9/2024 8:25	15.12	0.00
5/9/2024 8:26	17.18	1.75
5/9/2024 8:27	14.91	0.25
5/9/2024 8:28	14.91	0.00
5/9/2024 8:29	16.71	0.25
5/9/2024 8:30	14.94	0.25
5/9/2024 8:31	15.79	0.00
5/9/2024 8:32	15.77	0.50
5/9/2024 8:33	15.21	0.00
5/9/2024 8:34	16.38	2.00
5/9/2024 8:35	14.90	0.25
5/9/2024 8:36	16.08	3.00
5/9/2024 8:37	16.97	3.00
5/9/2024 8:38	18.51	13.25
5/9/2024 8:39	16.73	17.50
5/9/2024 8:40	18.33	22.75
5/9/2024 8:41	13.25	38.00
5/9/2024 8:42	14.74	1.25
5/9/2024 8:43	15.64	5.25
5/9/2024 8:44	14.09	0.25
5/9/2024 8:45	15.98	1.00
5/9/2024 8:46	14.11	1.00
5/9/2024 8:47	16.26	0.75
5/9/2024 8:48	14.13	1.25
5/9/2024 8:49	16.63	0.50
5/9/2024 8:50	14.38	1.25
5/9/2024 8:51	16.58	0.25
5/9/2024 8:52	14.50	1.50
5/9/2024 8:53	16.08	0.00
5/9/2024 8:54	14.86	1.25
5/9/2024 8:55	16.09	0.00
5/9/2024 8:56	14.77	1.00
5/9/2024 8:57	16.44	0.00
5/9/2024 8:58	14.45	1.00
5/9/2024 8:59	16.73	0.25
5/9/2024 9:00	15.84	1.50
5/9/2024 9:01	16.32	0.25
5/9/2024 9:02	16.35	0.50
5/9/2024 9:03	15.55	0.25
5/9/2024 9:04	14.22	0.00
5/9/2024 9:05	14.52	0.00
5/9/2024 9:06	16.49	1.00
5/9/2024 9:07	14.64	0.00
5/9/2024 9:08	16.47	1.00
5/9/2024 9:09	14.99	0.00
5/9/2024 9:10	16.34	1.25
5/9/2024 9:11	15.45	0.00
5/9/2024 9:12	16.19	0.00
5/9/2024 9:13	14.34	0.00
5/9/2024 9:14	16.63	0.00
5/9/2024 9:15	14.91	1.00
5/9/2024 9:16	16.93	0.25
5/9/2024 9:17	14.45	0.75
5/9/2024 9:18	17.18	0.50
5/9/2024 9:19	14.38	0.50
5/9/2024 9:20	17.16	0.75

Uncorrected Average 15.599 2.131148
 Bias Corrected Average 15.7258 2.10
 Corrected to 7% O2 5.638606



Facility Name: Resting Rainbow Pet
 Unit: (Model #American A-250P-SXS(150lb/hr))
 Facility ID: 0112793
 Date: 5/9/2024
 Test No.: 24025-ST
 Run No. 2
 Start: 9:38
 Stop: 10:38

UNCORRECTED RAW DATA

Date/Time	O2 %	CO PPM
5/9/2024 9:38	16.57	0.00
5/9/2024 9:39	15.41	0.75
5/9/2024 9:40	17.16	0.00
5/9/2024 9:41	15.10	0.75
5/9/2024 9:42	15.68	0.00
5/9/2024 9:43	16.47	0.00
5/9/2024 9:44	14.95	0.00
5/9/2024 9:45	17.18	0.00
5/9/2024 9:46	14.19	0.00
5/9/2024 9:47	17.49	0.00
5/9/2024 9:48	14.20	0.00
5/9/2024 9:49	17.37	0.00
5/9/2024 9:50	15.19	0.00
5/9/2024 9:51	16.50	0.00
5/9/2024 9:52	15.63	0.00
5/9/2024 9:53	14.11	0.25
5/9/2024 9:54	15.45	0.00
5/9/2024 9:55	12.56	0.00
5/9/2024 9:56	15.59	0.00
5/9/2024 9:57	13.74	0.75
5/9/2024 9:58	13.55	15.00
5/9/2024 9:59	15.32	51.25
5/9/2024 10:00	11.74	341.00
5/9/2024 10:01	12.92	275.25
5/9/2024 10:02	11.23	218.75
5/9/2024 10:03	10.98	301.50
5/9/2024 10:04	11.48	206.75
5/9/2024 10:05	11.91	264.25
5/9/2024 10:06	11.44	222.75
5/9/2024 10:07	12.97	175.75
5/9/2024 10:08	15.02	42.75
5/9/2024 10:09	16.22	17.50
5/9/2024 10:10	16.21	26.00
5/9/2024 10:11	15.99	34.25
5/9/2024 10:12	16.40	26.50
5/9/2024 10:13	16.71	18.25
5/9/2024 10:14	17.14	14.50
5/9/2024 10:15	17.41	12.00
5/9/2024 10:16	13.91	34.50
5/9/2024 10:17	17.34	43.50
5/9/2024 10:18	14.38	10.25
5/9/2024 10:19	16.33	5.50
5/9/2024 10:20	16.20	2.75
5/9/2024 10:21	15.78	5.25
5/9/2024 10:22	16.47	2.75
5/9/2024 10:23	14.28	3.25
5/9/2024 10:24	17.17	1.50
5/9/2024 10:25	13.91	2.00
5/9/2024 10:26	17.23	2.00
5/9/2024 10:27	14.48	1.75
5/9/2024 10:28	16.10	2.50
5/9/2024 10:29	15.36	1.00
5/9/2024 10:30	15.20	2.25
5/9/2024 10:31	16.49	0.75
5/9/2024 10:32	14.20	2.00
5/9/2024 10:33	16.97	0.50
5/9/2024 10:34	13.61	1.00
5/9/2024 10:35	16.90	0.50
5/9/2024 10:36	13.71	0.50
5/9/2024 10:37	16.09	0.50
5/9/2024 10:38	14.53	0.25

Uncorrected Average 15.1114 39.23361
 Bias Corrected Average 15.2225 38.81
 Corrected to 7% O2 95.02148



Facility Name: Resting Rainbow Pet
Unit: (Model #American A-250P-SXS(150lb/hr))
Facility ID: 0112793
Date: 5/9/2024
Test No.: 24025-ST
Run No.: 3
Start: 11:00
Stop: 12:00

UNCORRECTED RAW DATA

Date/Time	O2 %	CO PPM
5/9/2024 11:00	16.42	0.25
5/9/2024 11:01	14.38	0.25
5/9/2024 11:02	15.29	0.25
5/9/2024 11:03	15.45	0.00
5/9/2024 11:04	14.29	0.00
5/9/2024 11:05	16.66	0.25
5/9/2024 11:06	13.67	0.25
5/9/2024 11:07	16.42	0.50
5/9/2024 11:08	14.73	0.50
5/9/2024 11:09	15.16	0.50
5/9/2024 11:10	15.98	0.25
5/9/2024 11:11	14.07	0.25
5/9/2024 11:12	16.83	0.50
5/9/2024 11:13	14.11	0.00
5/9/2024 11:14	16.17	0.00
5/9/2024 11:15	15.05	0.00
5/9/2024 11:16	15.16	0.00
5/9/2024 11:17	16.32	0.00
5/9/2024 11:18	14.63	0.00
5/9/2024 11:19	18.03	11.25
5/9/2024 11:20	16.47	3.25
5/9/2024 11:21	16.02	1.00
5/9/2024 11:22	15.82	1.00
5/9/2024 11:23	15.09	4.50
5/9/2024 11:24	14.96	0.50
5/9/2024 11:25	15.90	2.75
5/9/2024 11:26	14.98	2.75
5/9/2024 11:27	14.98	0.25
5/9/2024 11:28	15.90	2.75
5/9/2024 11:29	15.00	2.00
5/9/2024 11:30	15.01	0.25
5/9/2024 11:31	15.93	3.25
5/9/2024 11:32	14.98	2.25
5/9/2024 11:33	14.98	0.00
5/9/2024 11:34	15.91	1.50
5/9/2024 11:35	15.04	2.75
5/9/2024 11:36	15.06	0.00
5/9/2024 11:37	15.79	0.50
5/9/2024 11:38	15.19	4.25
5/9/2024 11:39	15.03	0.00
5/9/2024 11:40	15.77	0.00
5/9/2024 11:41	16.28	0.00
5/9/2024 11:42	16.21	0.00
5/9/2024 11:43	16.30	0.25
5/9/2024 11:44	16.23	0.50
5/9/2024 11:45	16.34	0.25
5/9/2024 11:46	16.26	0.25
5/9/2024 11:47	16.27	0.00
5/9/2024 11:48	16.28	0.50
5/9/2024 11:49	16.90	3.00
5/9/2024 11:50	16.30	0.25
5/9/2024 11:51	16.30	0.00
5/9/2024 11:52	16.30	0.00
5/9/2024 11:53	16.31	0.00
5/9/2024 11:54	16.32	0.00
5/9/2024 11:55	16.32	0.00
5/9/2024 11:56	16.34	0.00
5/9/2024 11:57	16.95	3.25
5/9/2024 11:58	16.35	0.25
5/9/2024 11:59	16.34	0.00
5/9/2024 12:00	16.33	0.00

Uncorrected Average 15.7353 0.967213
 Bias Corrected Average 15.8379 0.91
 Corrected to 7% O2 2.510586

Attachment B - Laboratory Data

Particulate Laboratory Data
Resting Rainbow Pet Memorials and Cremations
FID# 0112793
24025-ST

Run 1

Filter Number	3995	
	Final Weight	0.3753 grams
	Tare Weight	0.3449 grams
	Difference	0.0304 grams
Beaker Number	1B	
	Final Weight	3.0407 grams
	Tare Weight	3.0374 grams
	Difference	0.0033 grams
Filter Blank Number	4068	
	Final Weight	0.3370 grams
	Tare Weight	0.3370 grams
	Difference	0.0000 grams
Acetone Wash Down		
	Volume of Rinse	210 mL
	Residue in Rinse (calculated)	1.89897E-06 mg/mg
	Total Residue in Rinse	0.00031425 grams
Total Particulate Weight		0.0334 grams
Water Collected		
	Final Impinger Water	249 mL
	Initial Impinger Water	200 mL
	Final Silica Weight	209.2 grams
	Silica Tare Weight	200.0 grams
Total Water Collected		58.1 grams

Analyst Nicholas Decker

Particulate Laboratory Data
Resting Rainbow Pet Memorials and Cremations
FID# 0112793
24025-ST

Run 2

Filter Number	3996	
	Final Weight	0.4013 grams
	Tare Weight	0.3424 grams
	Difference	0.0589 grams
Beaker Number	2B	
	Final Weight	3.0423 grams
	Tare Weight	3.0368 grams
	Difference	0.0055 grams
Filter Blank Number	4068	
	Final Weight	0.3370 grams
	Tare Weight	0.3370 grams
	Difference	0.0000 grams
Acetone Wash Down		
	Volume of Rinse	212 mL
	Residue in Rinse (calculated)	1.89897E-06 mg/mg
	Total Residue in Rinse	0.0003186 grams
Total Particulate Weight		0.0641 grams
Water Collected		
	Final Impinger Water	261 mL
	Initial Impinger Water	200 mL
	Final Silica Weight	211.6 grams
	Silica Tare Weight	200.0 grams
Total Water Collected		72.5 grams

Analyst Nicholas Decker

Particulate Laboratory Data
Resting Rainbow Pet Memorials and Cremations
FID# 0112793
24025-ST

Run 3

Filter Number	3997	
	Final Weight	0.3541 grams
	Tare Weight	0.3468 grams
	Difference	0.0073 grams
Beaker Number	3B	
	Final Weight	3.0433 grams
	Tare Weight	3.0396 grams
	Difference	0.0037 grams
Filter Blank Number	4068	
	Final Weight	0.3370 grams
	Tare Weight	0.3370 grams
	Difference	0.0000 grams
Acetone Wash Down		
	Volume of Rinse	216 mL
	Residue in Rinse (calculated)	1.89897E-06 mg/mg
	Total Residue in Rinse	0.00032355 grams
Total Particulate Weight		0.0107 grams
Water Collected		
	Final Impinger Water	278 mL
	Initial Impinger Water	200 mL
	Final Silica Weight	210.5 grams
	Silica Tare Weight	200.0 grams
Total Water Collected		88.4 grams

Analyst Nicholas Decker

Acetone Blank Calculations



METHOD 5—DETERMINATION OF PARTICULATE MATTER EMISSIONS FROM STATIONARY SOURCES

7.2 Sample Recovery. Acetone, reagent grade, ≤ 0.001 percent residue, in glass bottles, is required. Acetone from metal containers generally has a high residue blank and should not be used. Sometimes, suppliers transfer acetone to glass bottles from metal containers; thus, acetone blanks shall be run prior to field use and only acetone with low blank values (≤ 0.001 percent) shall be used. In no case shall a blank value of greater than 0.001 percent of the weight of acetone used be subtracted from the sample weight.

Constant Variables Used

Density of Acetone: 789.9 mg/ml
 Quantity of Blank: 200ml

Beaker No. 4D
 Initial Weight of Beaker 3.0604
 Final Weight of Beaker 3.0607
 Residue from Blank **0.0003 g**
 Conversion G>MG 0.3 mg

Beaker Final Weight -Beaker Initial Weight
 0.0003 g
 Residue From Blank Multiplied by 1,000
 0.3 mg

Quantity of Blank 200 ml
 Density of Acetone 789.9 mg/ml
 Total mg of Acetone **157980 mg of acetone**

Quantity Of Blank x Density of Acetone
 157980 mg

Total mg of Acetone 157980 mg
 Acetone mg Residue 0.3 mg
 Residue **0.0000018990 mg**

Acetone mg Residue/Total mg of Acetone
 0.00018990%
Residue MUST be <.001% **PASS**

Attachment C - Process Data



Beatty Environmental Services, Inc.

Emission Control Device and Process Data Form

Facility Name: Resting Rainbow Pet Memorials and Cremations

Installation: American A-250P-SXS (150lb/hr)

Type of Installation: Human Crematory

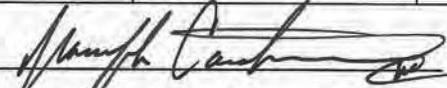
Type of Fuel Used: Natural Gas

Type of Pollution Control System: Afterburner

General Condition of Control Equipment: Normal

Type of Material Processed: Human Remains

Run No.	1	2	3
Start Time	08:26	09:38	11:00
Stop Time	09:22	10:40	12:02
Fuel	Natural Gas	Natural Gas	Natural Gas
Date	5-9-2024	5-9-2024	5-9-2024
Process Rate	128lbs	144lbs	140lbs

Signature:  Title: CEO

Printed Name: Joseph Castranova III Report No. 24025-ST

*By signing above facility designee agrees that all information on this form is true and correct to the best of his/her knowledge.

Resting Rainbow Pet Memorials and Cremations
Secondary chamber Temperature log 24025-ST
Run 1

5/9/2024	8:20:11	Device Manager	1620
5/9/2024	8:21:11	Device Manager	1630
5/9/2024	8:22:11	Device Manager	1638
5/9/2024	8:23:11	Device Manager	1645
5/9/2024	8:24:11	Device Manager	1651
5/9/2024	8:25:11	Device Manager	1657
5/9/2024	8:26:11	Device Manager	1648
5/9/2024	8:27:11	Device Manager	1617
5/9/2024	8:28:11	Device Manager	1635
5/9/2024	8:29:11	Device Manager	1652
5/9/2024	8:30:11	Device Manager	1628
5/9/2024	8:31:11	Device Manager	1643
5/9/2024	8:32:11	Device Manager	1633
5/9/2024	8:33:11	Device Manager	1637
5/9/2024	8:34:11	Device Manager	1645
5/9/2024	8:35:11	Device Manager	1638
5/9/2024	8:36:11	Device Manager	1646
5/9/2024	8:37:11	Device Manager	1656
5/9/2024	8:38:11	Device Manager	1658
5/9/2024	8:39:11	Device Manager	1648
5/9/2024	8:40:11	Device Manager	1656
5/9/2024	8:41:11	Device Manager	1646
5/9/2024	8:42:11	Device Manager	1643
5/9/2024	8:43:11	Device Manager	1642
5/9/2024	8:44:11	Device Manager	1636
5/9/2024	8:45:11	Device Manager	1651
5/9/2024	8:46:11	Device Manager	1631
5/9/2024	8:47:11	Device Manager	1651
5/9/2024	8:48:11	Device Manager	1630
5/9/2024	8:49:11	Device Manager	1653
5/9/2024	8:50:11	Device Manager	1629
5/9/2024	8:51:11	Device Manager	1650
5/9/2024	8:52:11	Device Manager	1629
5/9/2024	8:53:11	Device Manager	1647
5/9/2024	8:54:11	Device Manager	1631
5/9/2024	8:55:11	Device Manager	1647
5/9/2024	8:56:11	Device Manager	1632
5/9/2024	8:57:11	Device Manager	1649
5/9/2024	8:58:11	Device Manager	1631
5/9/2024	8:59:11	Device Manager	1653
5/9/2024	9:00:11	Device Manager	1630
5/9/2024	9:01:11	Device Manager	1608
5/9/2024	9:02:11	Device Manager	1587
5/9/2024	9:03:11	Device Manager	1571
5/9/2024	9:04:11	Device Manager	1590
5/9/2024	9:05:11	Device Manager	1634
5/9/2024	9:06:11	Device Manager	1648
5/9/2024	9:07:11	Device Manager	1639
5/9/2024	9:08:11	Device Manager	1647
5/9/2024	9:09:11	Device Manager	1640
5/9/2024	9:10:11	Device Manager	1644
5/9/2024	9:11:11	Device Manager	1641
5/9/2024	9:12:11	Device Manager	1627
5/9/2024	9:13:11	Device Manager	1613
5/9/2024	9:14:11	Device Manager	1651
5/9/2024	9:15:11	Device Manager	1631
5/9/2024	9:16:11	Device Manager	1653
5/9/2024	9:17:11	Device Manager	1632
5/9/2024	9:18:11	Device Manager	1658
5/9/2024	9:19:11	Device Manager	1633
5/9/2024	9:20:11	Device Manager	1656
5/9/2024	9:21:11	Device Manager	1947
5/9/2024	9:22:11	Device Manager	1952

Resting Rainbow Pet Memorials and Cremations
Secondary chamber Temperature log 24025-ST
Run 2

5/9/2024	9:38:11	Device Manager	1649
5/9/2024	9:39:11	Device Manager	1632
5/9/2024	9:40:11	Device Manager	1655
5/9/2024	9:41:11	Device Manager	1631
5/9/2024	9:42:11	Device Manager	1644
5/9/2024	9:43:11	Device Manager	1651
5/9/2024	9:44:11	Device Manager	1635
5/9/2024	9:45:11	Device Manager	1657
5/9/2024	9:46:11	Device Manager	1634
5/9/2024	9:47:11	Device Manager	1659
5/9/2024	9:48:11	Device Manager	1636
5/9/2024	9:49:11	Device Manager	1655
5/9/2024	9:50:11	Device Manager	1641
5/9/2024	9:51:11	Device Manager	1646
5/9/2024	9:52:11	Device Manager	1648
5/9/2024	9:53:11	Device Manager	1636
5/9/2024	9:54:11	Device Manager	1659
5/9/2024	9:55:11	Device Manager	1634
5/9/2024	9:56:11	Device Manager	1660
5/9/2024	9:57:11	Device Manager	1640
5/9/2024	9:58:11	Device Manager	1633
5/9/2024	9:59:11	Device Manager	1662
5/9/2024	10:00:11	Device Manager	1637
5/9/2024	10:01:11	Device Manager	1666
5/9/2024	10:02:11	Device Manager	1677
5/9/2024	10:03:11	Device Manager	1702
5/9/2024	10:04:11	Device Manager	1722
5/9/2024	10:05:11	Device Manager	1735
5/9/2024	10:06:11	Device Manager	1740
5/9/2024	10:07:11	Device Manager	1741
5/9/2024	10:08:11	Device Manager	1739
5/9/2024	10:09:11	Device Manager	1729
5/9/2024	10:10:11	Device Manager	1714
5/9/2024	10:11:11	Device Manager	1702
5/9/2024	10:12:11	Device Manager	1697
5/9/2024	10:13:11	Device Manager	1692
5/9/2024	10:14:11	Device Manager	1687
5/9/2024	10:15:11	Device Manager	1665
5/9/2024	10:16:11	Device Manager	1642
5/9/2024	10:17:11	Device Manager	1657
5/9/2024	10:18:11	Device Manager	1646
5/9/2024	10:19:11	Device Manager	1651
5/9/2024	10:20:11	Device Manager	1654
5/9/2024	10:21:11	Device Manager	1646
5/9/2024	10:22:11	Device Manager	1659
5/9/2024	10:23:11	Device Manager	1638
5/9/2024	10:24:11	Device Manager	1662
5/9/2024	10:25:11	Device Manager	1639
5/9/2024	10:26:11	Device Manager	1658
5/9/2024	10:27:11	Device Manager	1646
5/9/2024	10:28:11	Device Manager	1651
5/9/2024	10:29:11	Device Manager	1655
5/9/2024	10:30:11	Device Manager	1645
5/9/2024	10:31:11	Device Manager	1662
5/9/2024	10:32:11	Device Manager	1639
5/9/2024	10:33:11	Device Manager	1662
5/9/2024	10:34:11	Device Manager	1641
5/9/2024	10:35:11	Device Manager	1660
5/9/2024	10:36:11	Device Manager	1645
5/9/2024	10:37:11	Device Manager	1655
5/9/2024	10:38:11	Device Manager	1652
5/9/2024	10:39:11	Device Manager	1647
5/9/2024	10:40:11	Device Manager	1659

Resting Rainbow Pet Memorials and Cremations
Secondary chamber Temperature log 24025-ST
Run 3

5/9/2024	11:00:11	Device Manager	1658
5/9/2024	11:01:11	Device Manager	1647
5/9/2024	11:02:11	Device Manager	1646
5/9/2024	11:03:11	Device Manager	1659
5/9/2024	11:04:11	Device Manager	1637
5/9/2024	11:05:11	Device Manager	1663
5/9/2024	11:06:11	Device Manager	1638
5/9/2024	11:07:11	Device Manager	1658
5/9/2024	11:08:11	Device Manager	1649
5/9/2024	11:09:11	Device Manager	1643
5/9/2024	11:10:11	Device Manager	1663
5/9/2024	11:11:11	Device Manager	1637
5/9/2024	11:12:11	Device Manager	1661
5/9/2024	11:13:11	Device Manager	1642
5/9/2024	11:14:11	Device Manager	1654
5/9/2024	11:15:11	Device Manager	1652
5/9/2024	11:16:11	Device Manager	1643
5/9/2024	11:17:11	Device Manager	1665
5/9/2024	11:18:11	Device Manager	1637
5/9/2024	11:19:11	Device Manager	1646
5/9/2024	11:20:11	Device Manager	1621
5/9/2024	11:21:11	Device Manager	1632
5/9/2024	11:22:11	Device Manager	1647
5/9/2024	11:23:11	Device Manager	1628
5/9/2024	11:24:11	Device Manager	1638
5/9/2024	11:25:11	Device Manager	1650
5/9/2024	11:26:11	Device Manager	1627
5/9/2024	11:27:11	Device Manager	1640
5/9/2024	11:28:11	Device Manager	1649
5/9/2024	11:29:11	Device Manager	1629
5/9/2024	11:30:11	Device Manager	1641
5/9/2024	11:31:11	Device Manager	1650
5/9/2024	11:32:11	Device Manager	1627
5/9/2024	11:33:11	Device Manager	1639
5/9/2024	11:34:11	Device Manager	1648
5/9/2024	11:35:11	Device Manager	1626
5/9/2024	11:36:11	Device Manager	1637
5/9/2024	11:37:11	Device Manager	1647
5/9/2024	11:38:11	Device Manager	1628
5/9/2024	11:39:11	Device Manager	1635
5/9/2024	11:40:11	Device Manager	1645
5/9/2024	11:41:11	Device Manager	1648
5/9/2024	11:42:11	Device Manager	1646
5/9/2024	11:43:11	Device Manager	1645
5/9/2024	11:44:11	Device Manager	1646
5/9/2024	11:45:11	Device Manager	1647
5/9/2024	11:46:11	Device Manager	1646
5/9/2024	11:47:11	Device Manager	1646
5/9/2024	11:48:11	Device Manager	1647
5/9/2024	11:49:11	Device Manager	1638
5/9/2024	11:50:11	Device Manager	1633
5/9/2024	11:51:11	Device Manager	1638
5/9/2024	11:52:11	Device Manager	1642
5/9/2024	11:53:11	Device Manager	1644
5/9/2024	11:54:11	Device Manager	1645
5/9/2024	11:55:11	Device Manager	1647
5/9/2024	11:56:11	Device Manager	1647
5/9/2024	11:57:11	Device Manager	1636
5/9/2024	11:58:11	Device Manager	1632
5/9/2024	11:59:11	Device Manager	1637
5/9/2024	12:00:11	Device Manager	1641
5/9/2024	12:01:11	Device Manager	1639
5/9/2024	12:02:11	Device Manager	1648

Attachment D - Calculations

CALCULATIONS FOR RUN 1

Resting Rainbow Pet Memorials and Cremations

FID# 0112793

24025-ST

Page 1 of 2

STACK AREA

$$3.1416 \times (\text{Diameter} / 24)^2$$
$$3.1416 \times (19.50 / 24)^2$$
$$2.07 \quad \text{SQ.FT.}$$

STACK PRESSURE

$$\text{BAROMETRIC PRESSURE} + (\text{STATIC PRESSURE} / 13.6)$$
$$29.99 \quad + \quad (\quad -0.05 \quad / 13.6)$$
$$29.99 \quad \text{IN.HG}$$

METER PRESSURE

$$\text{BAROMETRIC PRESSURE} + (\text{ORIFICE PRESSURE} / 13.6)$$
$$29.99 \quad + \quad (\quad 1.41 \quad / 13.6)$$
$$30.09 \quad \text{IN.Hg}$$

SAMPLE VOLUME

$$17.64 \times (Y) \times \text{METER VOLUME} \times \text{METER PRESSURE} / (\text{METER TEMP.} + 460)$$
$$17.64 \times 1.0000 \times 38.587 \times 30.09 / (79.3 + 460)$$
$$37.985 \quad \text{STD.CU.FT.}$$

WATER VAPOR VOLUME

$$0.04715 \times \text{WATER COLLECTED}$$
$$0.04715 \times 58.1$$
$$2.74 \quad \text{STD.CU.FT.}$$

SAMPLE MOISTURE

$$100 \times \text{WATER VAPOR VOLUME} / (\text{WATER VAPOR VOLUME} + \text{SAMPLE VOLUME})$$
$$100 \times 2.74 / (2.74 + 37.985)$$
$$6.73 \quad \%$$

SATURATION MOISTURE

$$100 \times (\text{VAPOR PRESSURE @ STACK TEMP.} / \text{STACK PRESSURE})$$
$$100 \times (6209.2885 / 29.99)$$
$$100.00 \quad \%$$

STACK MOISTURE FRACTION

$$(\text{THE LESSER OF SAMPLE MOISTURE OR SATURATION MOISTURE}) / 100$$
$$0.067$$

DRY MOLECULAR WEIGHT OF STACK GAS

$$(0.28 \times (100 - \%N_2)) + (0.44 \times \%CO_2) + (0.32 \times \%O_2)$$
$$(0.28 \times (100 - (2.50 + 15.73))) + (0.44 \times 2.50) + (0.32 \times 15.73)$$
$$29.03$$

CALCULATIONS FOR RUN 1

Resting Rainbow Pet Memorials and Cremations

FID# 0112793

24025-ST

MOLECULAR WEIGHT OF STACK GAS

$$\text{MOLECULAR WEIGHT X (1 - MOISTURE) + (18 X MOISTURE)}$$
$$29.03 \text{ X (1 - 0.067) + (18 X 0.067)}$$
$$28.29$$

STACK VELOCITY

$$85.49 \text{ X CP X 60 X SQ.}(\wedge\text{P}) \text{ X SQ.}(\text{STACK TEMP} + 460) / \text{SQ.}(\text{STACK PRESSURE X MOLECULAR WT.})$$
$$85.49 \text{ X } 0.840 \text{ X } 60 \text{ X } 0.221 \text{ X SQ.}(684.4 + 460) / \text{SQR}(29.99 \text{ X } 28.287)$$
$$1105 \text{ FPM}$$

VOLUMETRIC FLOW RATE (ACFM)

$$\text{STACK AREA X STACK VELOCITY}$$
$$2.07 \text{ X } 1105$$
$$2291 \text{ ACFM}$$

VOLUMETRIC FLOW RATE (SCFM) DRY

$$17.64 \text{ X (ACFM) X STACK PRESSURE X (1-MOISTURE) / (STACK TEMP. + 460)}$$
$$17.64 \text{ X } 2291 \text{ X } 29.99 \text{ X (1 - 0.067) / (684.4 + 460)}$$
$$988 \text{ SCFM (DRY)}$$

CONCENTRATION (gr/dscf)

$$\text{Total Particulate Weight X 15.43 / Sample Volume}$$
$$0.0334 \text{ X } 15.43 / 37.98$$
$$0.0136$$

CONCENTRATION@7% O2 (gr/dscf)

$$\text{Concentration X 13.9 / (20.9 - \%O2)}$$
$$0.0136 \text{ X } 13.9 / (20.9 - 15.726)$$
$$0.0364$$

MASS EMISSION RATE (LBS./HR.)

$$\text{CONCENTRATION X (SCFM- DRY) X 60 / 7000}$$
$$0.0136 \text{ X } 988 \text{ X } 60 / 7000$$
$$0.11 \text{ LBS/HR}$$

PERCENT ISOKINETIC

$$\text{.0945 X (STACK TEMP. + 460) X SAMPLE VOLUME X 60}$$
$$\text{. (STACK PRES. X VELOCITY X NOZZLE AREA X TEST TIME X (1-MOISTURE))}$$
$$0.0945 \text{ X (684.43 + 460) X } 37.98 \text{ X } 60$$
$$29.99 \text{ X } 1105 \text{ X } 0.00137 \text{ X } 60.00 \text{ X (1 - 0.067)}$$
$$97.37 \text{ \%}$$



EPA Method Specific Calculations

Example Calculations From Run 3

8.0 EPA Method 10 CO Calculations

Analyzer Calibration Error:

$$ACE = C_{dir} - C_v / CS \times 100 \quad (\text{Eq. 7E-1})$$

Example Calculation Run 3 (Low)

$$ACE = (0.006 - 0) / 380 \times 100$$

$$ACE = 0.00$$

Example Calculation Run 3 (Mid)

$$ACE = (186.2 - 185) / 380 \times 100$$

$$ACE = 0.32$$

Example Calculation Run 3 (High)

$$ACE = (380 - 380) / 380 \times 100$$

$$ACE = 0.00$$

Analyzer Calibration Error

For a low-, medium-, and high-calibration gas, the difference between the manufacturer certified value and the analyzer response in direct calibration mode, no more than 2.0% of calibration span

System Bias:

$$SB = C_s - C_{dir} / CS \times 100 \quad (\text{Eq. 7E-3})$$

Example Calculation Run 3 (Low (initial))

$$SB = (0.034 - 0.006) / 380 \times 100$$

$$SB = 0.01$$

Example Calculation Run 3 (Low (final))

$$SB = (0.051 - 0.006) / 380 \times 100$$

$$SB = 0.01$$

Example Calculation Run 3 (Mid (initial))

$$SB = (187 - 186.2) / 380 \times 100$$

$$SB = 0.21$$

Example Calculation Run 3 (Mid (Final))

$$SB = (187.3 - 186.2) / 380 \times 100$$

$$SB = 0.29$$

13.2 System Bias

This specification is applicable to both the system bias and 2-point system calibration error tests described in section 8.2.5 and 8.5. The pre- and post-run system bias (or system calibration error) must be within ± 5.0 percent of the calibration span for the low-level and upscale calibration gases. Alternatively, the results are acceptable if $|C_s - C_{dir}|$ is ≤ 0.5 ppmv or if $|C_s - C_v|$ is ≤ 0.5 ppmv (as applicable).

Drift Assessment:

$$D = (SB_{final} - SB_i) / CS \times 100$$

Example Calculation Run 3 (Low)

$$D = (0.051 - 0.034) / 380 \times 100$$

$$D = 0.00$$

Example Calculation Run 3 (Mid)

$$D = (187.3 - 187) / 380 \times 100$$

$$D = 0.08$$

13.3 Drift.

For each run, the low-level and upscale drift must be less than or equal to 3.0 percent of the calibration span. The drift is also acceptable if the pre- and post-run bias (or the pre- and post-run system calibration error) responses do not differ by more than 0.5 ppmv at each gas concentration (i.e. $|C_s \text{ post-run} - C_s \text{ pre-run}| \leq 0.5$

Attachment E - Calibration Data



Revised: 2021/06/22

Certificate of Calibration

Method 5 Pre-Test Console Pulse Calibration - Liters (L)

UUT Meter Console Information

Model #: XD-502
 Serial #: A2404228
 DGM Model #: SK25EX-1008
 DGM Serial #: 20246308
 Initial Y_{sc} : 1.0000

Calibration Conditions

Bar. Pressure (in Hg): 30.11
 Ambient Temp (°F): 69.2
 Relative Humidity (%): 63
 Altitude (ft): 414.0
 Corr. Bar. Pressure (in Hg): 29.70

Factors/Conversions

Std. Temp. (K): 293.15
 Std. Press. (mm Hg): 760
 K_s (K/mm Hg): 0.3857

Reference Equipment

WTM Model: W-NKoDa-5A
 WTM Serial: 535476
 WTM Cal. Due Date: May-2024
 Gamma: 0.9997
 WTM Thermometer: Traceable
 WTM Therm. Cert. Due Date: 10-Nov-2024
 WTM Serial #: 221876752

UUT Meter (DGM)

Reference Meter (WTM)

Run Time (seconds)	Orifice, ΔH (mm H ₂ O)	Pulse Count			Meter Temperature (°C)		Meter Pressure (mm H ₂ O)	Volume (L)			Outlet Temperature (°C)	
		Initial	Final	Total	Initial	Final		Initial	Final	Total	Initial	Final
0	P_{inlet}	C_{start}	C_{end}	C_{total}	t_{start}	t_{end}	P_{ref}	V_{start}	V_{end}	V_{total}	t_{out}	t_{ref}
43.84	120.00	0	14248	14248	23.3	23.4	-12.0	0.0	25.0	25.0	20.8	20.8
53.62	80.00	0	14370	14370	23.7	23.7	-8.0	0.0	25.0	25.0	20.8	20.9
68.21	50.00	0	14445	14445	24.3	24.5	-5.0	0.0	25.0	25.0	20.8	20.9
97.09	25.00	0	14491	14491	24.8	25.0	-3.0	0.0	25.0	25.0	20.9	20.9
135.87	13.00	0	14537	14537	25.4	25.5	-2.0	0.0	25.0	25.0	20.9	20.9

Standardized Data

Scaling Factor

Calibration Results

Reference Meter		Test Meter	Volume Conversion			Correction Factor		ΔH_{sc} (mm H ₂ O)	
Std. Volume	Std. Flow Rate	Totalizer	Scaling Fac.	Std. Vol.	Flow Rate	Value	Variance	ΔH_{sc}	Variance
$V_{m,ref}$ (L)	$Q_{w,ref}$ (L/min)	Counts _{Total}	Y_{sc}	$V_{m,cal}$ (L)	$Q_{m,cal}$ (L/min)	Y	ΔY	ΔH_{sc}	$\Delta \Delta H_{sc}$
24.708	33.616	14145	1.75E-03	24.7	33.747	1.0020	0.0020	46.9	-0.209
24.715	27.656	14194	1.74E-03	24.7	27.688	0.9988	-0.0012	46.5	-0.563
24.721	21.745	14193	1.74E-03	24.7	21.765	0.9991	-0.0009	46.8	-0.271
24.721	15.277	14180	1.74E-03	24.7	15.276	1.0001	0.0001	47.2	0.160
24.724	10.918	14182	1.74E-03	24.7	10.918	1.0000	0.0000	48.0	0.883
			1.74E-03 = Avg.			1.0000 = Y Avg.		47.1 = ΔH_{sc} Avg.	

Note: For Calibration Factor Y, the ratio of the reading of the calibration meter to the dry gas meter, acceptable tolerance of individual values from the average is ±0.02.

Note: For ΔH_{sc} , orifice pressure differential that equates to 0.0212m³/min at standard temperature and pressure, acceptable tolerance of individual values from the average is ±0.2inches (5.1mm) H₂O.

Pass/Fail Result: **Pass**

Console Input Value (cc/pulse): **1.7433**
 ΔH_{sc} Avg. (inches H₂O): **1.85**

Technician: Nathan Johnson

Signature: *[Handwritten Signature]*

Date: April 22, 2024

The instruments listed and described on this certificate have been calibrated against standards traceable to the National Institute of Standards and Technology (NIST) and in reference to EPA Method 5, Section 10.3.1.

Apex Instruments - Address: 204 Technology Park Ln., Fuquay-Varina, NC 27526 USA | Tel: (919) 557-7300 Web: www.apexinst.com



Console Sensor Calibration Data Sheet - Cont.

Console Information

Model #: XD-502
 Serial #: A2404228
 Units: English
Type: "English" or "Metric"

Calibration Conditions

Pbar (in. Hg): 30.11
 Humidity (%): 63.00
 Tamb (°F): 69.20
 Corr. Pbar (in. Hg): 29.70

Reference Device Information

TC Simulator Model: PIE-520-K Vac. Gauge Model: N/A
 Reference #: 112693 Vac. Gauge Serial #: N/A
 Barometer Model: Airport Digital Manometer Model: N/A
 Barometer Serial #: N/A Digital Manometer Serial #: N/A
 Technician: AM

Pressure Sensors/Transducers Calibration Data

Console Barometric Calibration				Console Vacuum Calibration			
Reference Point	Reference Barometric Pressure	Console Bar. Press	Reference Point Status ³	Reference Point	Reference Vacuum	Console Vacuum	Reference Point Status ⁴
#	in. Hg	in. Hg	Pass/Fail	#	in. Hg	in. Hg	Pass/Fail
1	29.70	29.71	PASS	2	27.42	27.6	PASS

UUT Digital Pressure Transducer Audit

Range	Reference Point	Target Pressure	Actual Ref. Pressure	Positive (+) Reading	Reference Point Status ⁵	Actual Ref. Pressure	Negative (-) Reading	Reference Point Status ⁵
in. H ₂ O	#	in. H ₂ O	mm H ₂ O	mm H ₂ O	Pass/Fail	mm H ₂ O	mm H ₂ O	Pass/Fail
ΔH 5.000 0.1 Tolerance ($\pm 2\%$ FS)	0%	0.000	0.023	0.010	PASS	-	-	-
	-90%	-4.500	-	-	-	-	-	-
	-60%	-3.000	-	-	-	-	-	-
	-30%	-1.500	-	-	-	-	-	-
	30%	1.500	1.580	1.595	PASS	-	-	-
	60%	3.000	3.004	2.990	PASS	-	-	-
	90%	4.500	4.586	4.590	PASS	-	-	-
ΔP Low 1.000 0.02 Tolerance ($\pm 2\%$ FS)	0%	0.000	0.004	0.000	PASS	0.003	0.000	PASS
	-90%	-0.900	-0.886	-0.866	PASS	-0.899	-0.888	PASS
	-60%	-0.600	-0.606	-0.626	PASS	-0.598	-0.616	PASS
	-30%	-0.300	-0.301	-0.321	PASS	-0.310	-0.311	PASS
	30%	0.300	0.302	0.305	PASS	0.300	0.301	PASS
	60%	0.600	0.600	0.580	PASS	0.601	0.610	PASS
	90%	0.900	0.901	0.882	PASS	0.913	0.903	PASS
ΔP High 10.000 0.2 Tolerance ($\pm 2\%$ FS)	-90%	-9.000	-0.900	-0.914	PASS	-9.002	-8.990	PASS
	-60%	-6.000	-6.000	-6.030	PASS	-6.000	-6.160	PASS
	-30%	-3.000	-3.000	-3.200	PASS	-2.999	-3.130	PASS
	30%	3.000	2.943	2.990	PASS	2.990	3.000	PASS
	60%	6.000	6.012	5.960	PASS	6.022	6.010	PASS
90%	9.000	9.000	9.060	PASS	9.001	9.030	PASS	

Notes

- ¹ For valid test results, the maximum difference between temperature readings should be: EXIT: ≤ 2.0 °F, AUX/PROBE/FILTER: ≤ 5.4 °F, STACK: $\leq 1.5\%$ Absolute Temperature Difference °R (EPA Method 5, Sections 6.1.1.7, 6.1.1.8 and 10.5)
- ² For valid test results, the maximum % difference between temperature readings should be less than 1.5% (EPA Method 2, Section 6.3)
- ³ For valid test results, the maximum difference between console and reference barometric pressure readings should be less than ± 0.1 in. Hg (± 2.5 mm Hg) (EPA Method 5, Section 6.1.2)
- ⁴ For valid test results, the maximum difference between console and reference vacuum readings should be less than ± 0.5 in. Hg (± 12.5 mm Hg)
- ⁵ For valid test results, the maximum difference between console and reference pitot tube pressure readings should be less than ± 0.05 in. H₂O (± 1.25 mm H₂O), or 0.5% of full scale

Reviewed By: Nathan Johnson Date: April 22, 2024

I certify that the above barometric and pressure sensors were calibrated in accordance with US EPA Methods 2 and 5, CFR 40 Part 60.

Console Sensor Calibration Data Sheet

Console Information

Model #: XD-502
 Serial #: A2404228
 Units: English
English or Metric

Calibration Conditions

Pbar (in. Hg): 30.11
 Humidity (%): 63
 Tamb (°F): 69.2
 Elevation (ft): 414.0
 Corr. Pbar (in. Hg): 29.70

Reference Device Information

TC Simulator Model: PIE-520-K
 Reference #: 112693
 Barometer Model: Airport
 Barometer Serial #: N/A
 Technician: AM
 Vac. Gauge Model: N/A
 Vac. Gauge Serial #: N/A
 Digital Manometer Model: N/A
 Digital Manometer Serial #: N/A

Temperature Sensors Calibration

Reference Point #	Reference Temp. °F	Test Thermocouple Calibrations						Reference Point Status
		Aux °F	Stack °F	Probe °F	Oven °F	Filter °F	Exit °F	
1	0	0.0	0.0	0.0	-1.0	0.0	0.0	PASS
2	100	100.0	100.0	99.0	99.0	100.0	100.0	PASS
3	200	200.0	199.0	199.0	199.0	200.0	200.0	PASS
4	300	300.0	300.0	299.0	299.0	300.0	300.0	PASS
5	500	-	500.0	-	-	-	-	PASS
6	700	-	699.0	-	-	-	-	PASS
7	900	-	899.0	-	-	-	-	PASS
8	1100	-	1099.0	-	-	-	-	PASS
9	1500	-	1500.0	-	-	-	-	PASS
10	1900	-	1900.0	-	-	-	-	PASS

Overall Audit Status¹

NIST Reference Thermocouple ID: 90728323

Ice Bath Temperature °F	Thermocouple Sensor Reading °F	Abs. Temperature Difference %
DGM Out 33.5	33.0	0.10%
33.5	33.0	0.10%
		Maximum ² : 0.10%

NOTES

- ¹ For valid test results, the maximum difference between temperature readings should be: EXIT: ≤ 2.0 °F, AUX/PROBE/FILTER: ≤ 5.4 °F, STACK: ≤ 1.5% Absolute Temperature Difference °R (EPA Method 5, Sections 6.1.1.7, 6.1.1.8 and 10.5)
- ² For valid test results, the maximum % difference between temperature readings should be less than 1.5% (EPA Method 2, Section 6.3)
- ³ For valid test results, the maximum difference between console and reference barometric pressure readings should be less than ±0.1 in. Hg (±2.5 mm Hg). (EPA Method 5, Section 6.1.2)
- ⁴ For valid test results, the maximum difference between console and reference vacuum readings should be less than ±0.5 in. Hg (±12.5 mm Hg)
- ⁵ For valid test results, the maximum difference between console and reference pitot tube pressure readings should be less than ±0.05 in. H₂O (±1.25 mm H₂O), or 0.5% of full scale

Reviewed By: Nathan Johnson Date: April 22, 2024

I certify that the above thermocouple sensors were calibrated in accordance with US EPA Methods 2 and 5, CFR 40 Part 60.

Beatty Environmental Stack Test Thermocouple Calibrations

Calibration Device: ASTM Thermometer
Calibrated By: Beatty Environmental Services, Inc.



Device	Ambient Air
ASTM Thermometer	85
Dry Gas Meter Thermocouple	85
Filter Thermocouple	84
Filter Heater Thermocouple	85
Impinger Outlet Thermocouple	86
Stack Temp Thermocouple (5ft. Air Cooled)	85

10.5 Temperature Sensors. Use the procedure in Section 10.3 of Method 2 to calibrate in-stack temperature sensors. Dial thermometers, such as are used for the DGM and condenser outlet, shall be calibrated against mercury-in-glass thermometers. An alternative mercury-free NISTtraceable thermometer may be used if the thermometer is, at a minimum, equivalent in terms of performance or suitably effective for the specific temperature measurement application. As an alternative, the following single-point calibration procedure may be used. After each test run series, check the accuracy (and, hence, the calibration) of each thermocouple system at ambient temperature, or any other temperature, within the range specified by the manufacturer, using a reference thermometer (either ASTM reference thermometer or a thermometer that has been calibrated against an ASTM reference thermometer). The temperatures of the thermocouple and reference thermometers shall agree to within ± 2 °F.

Nozzle Calibration

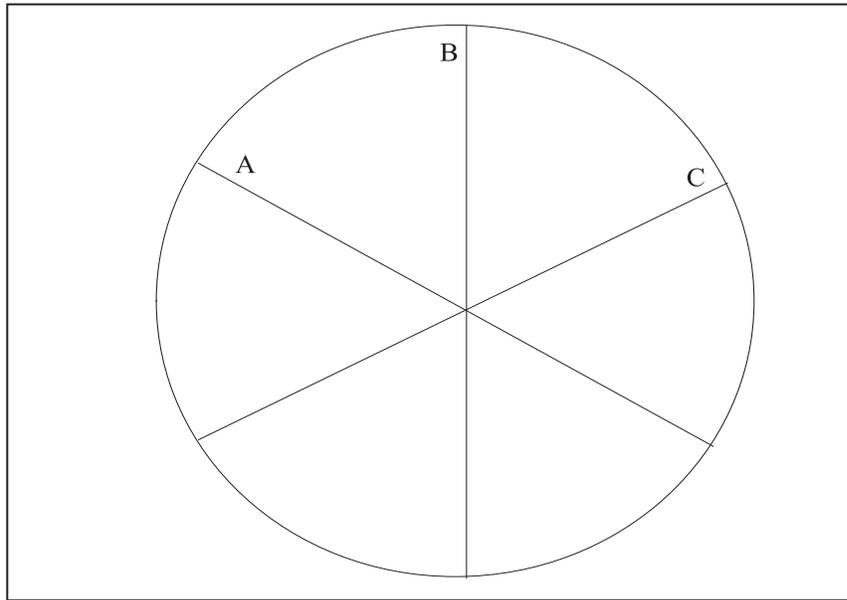
Nozzle ID #20

A = 0.501

B = 0.500

C = 0.500

Average 0.5003



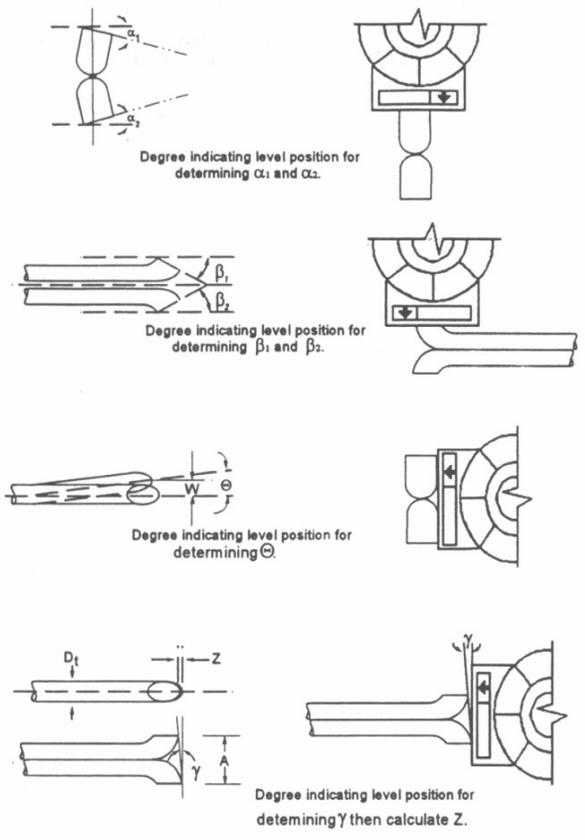
Calibration Date 5/9/2024

Calibrated by

A handwritten signature in black ink, appearing to be 'JD' or similar, is written over the 'Calibrated by' label.

PITOT CALIBRATION

(Type S Pitot Tube Inspection)



Level and Perpendicular?	Yes
Obstruction?	No
Damaged?	No
α_1 ($-10^\circ \leq \alpha_1 \leq +10^\circ$)	2
α_2 ($-10^\circ \leq \alpha_2 \leq +10^\circ$)	3
β_1 ($-5^\circ \leq \beta_1 \leq +5^\circ$)	1
β_2 ($-5^\circ \leq \beta_2 \leq +5^\circ$)	2
γ	1
θ	1
$z = A \tan \gamma$ ($\leq 0.125^\circ$)	0.017
$w = A \tan \theta$ ($\leq 0.03125^\circ$)	0.017
D_t ($3/16'' \leq D_t \leq +3/8''$)	0.375
A	0.984
$A/2 D_t$ ($1.05 \leq P_A / D_t \leq 1.51$)	1.312

Certification

I hereby certify that type S pitot tube ID# P-5AC meets or exceeds all specifications, criteria and applicable design features, and is hereby assigned a pitot tube calibration factor of 0.84.

Certified by:

Date

6/23/2023

ANALYZER CALIBRATION DATA
for
Resting Rainbow Pet Memorials and Cremations
Emission Unit: 001

Facility: Resting Rainbow Pet Unit: American A-250P-SXS(150lb/hr)
 Project No.: 24025-ST Personnel: Nicholas Decker
 Date: 5/9/2024 Analyzers: O2, CO
 Run Number 1 Run Time: 8:20 - 9:20

Analyzer Span	
O2	22.0
CO	380.0

Calibration Value (% or ppm)	Cylinder Number	Analyzer Calibration Response	Difference (% of Span)	System Calibration Check				Drift (% of Span)	Calibration Error Factors	
				Pre Run		Post Run				
				System Response	System Bias (% of Span)	System Response	System Bias (% of Span)			
O ₂ Zero	0.0	EB0081276	0.002	0.01	0.012	0.05	0.023	0.10	0.05	0.02
O ₂ Mid	11.99	EB0138980	11.879	-0.50	11.892	0.06	11.903	0.11	0.05	11.90
O ₂ High	22.0	EB0052408	22.003	0.01	NA		NA			
CO Zero	0.0	EB0081276	0.006	0.00	0.009	0.00	0.024	0.00	0.00	0.02
CO Mid	185.0	223503028	186.200	0.32	186.000	-0.05	186.800	0.16	0.21	186.40
CO High	380.0	222303046	380.000	0.00	NA		NA			

Plant: Resting Rainbow Pet Location: American A-250P-SXS(150lb/hr)
 Project No.: 24025-ST Personnel: Nicholas Decker
 Date: 5/9/2024 Analyzers: O2, CO
 Run Number 2 Run Time: 9:38 - 10:38

Analyzer Span	
O2	22.0
CO	380.0

Calibration Value (% or ppm)	Cylinder Number	Analyzer Calibration Response	Difference (% of Span)	System Calibration Check				Drift (% of Span)	Calibration Error Factors	
				Pre Run		Post Run				
				System Response	System Bias (% of Span)	System Response	System Bias (% of Span)			
O ₂ Zero	0.0	EB0081276	0.002	0.01	0.023	0.10	0.019	0.08	-0.02	0.02
O ₂ Mid	11.99	EB0138980	11.879	-0.50	11.903	0.11	11.911	0.15	0.04	11.91
O ₂ High	22.0	EB0052408	22.003	0.01	NA		NA			
CO Zero	0.0	EB0081276	0.006	0.00	0.024	0.00	0.034	0.01	0.00	0.03
CO Mid	185.0	223503028	186.200	0.32	186.800	0.16	187.000	0.21	0.05	186.90
CO High	380.0	222303046	380.000	0.00	NA		NA			

Plant: Resting Rainbow Pet Location: American A-250P-SXS(150lb/hr)
 Project No.: 24025-ST Personnel: Nicholas Decker
 Date: 5/9/2024 Analyzers: O2, CO
 Run Number 3 Run Time: 11:00 - 12:00

Analyzer Span	
O2	22.0
CO	380.0

Calibration Value (% or ppm)	Cylinder Number	Analyzer Calibration Response	Difference (% of Span)	System Calibration Check				Drift (% of Span)	Calibration Error Factors	
				Pre Run		Post Run				
				System Response	System Bias (% of Span)	System Response	System Bias (% of Span)			
O ₂ Zero	0.0	EB0081276	0.002	0.01	0.019	0.08	0.024	0.10	0.02	0.02
O ₂ Mid	11.99	EB0138980	11.879	-0.50	11.911	0.15	11.924	0.20	0.06	11.92
O ₂ High	22.0	EB0052408	22.003	0.01	NA		NA			
CO Zero	0.0	EB0081276	0.006	0.00	0.034	0.01	0.051	0.01	0.00	0.04
CO Mid	185.0	223503028	186.200	0.32	187.000	0.21	187.300	0.29	0.08	187.15
CO High	380.0	222303046	380.000	0.00	NA		NA			



CERTIFICATE OF ANALYSIS

CEM Grade Nitrogen

Customer: Beatty Environmental Services
 CGA: 580
 Customer PO #: 20230016-BESG
 Reference #: 122722WZ-BB
 Certification Date: 01/23/2023
 Expiration Date: 01/23/2031
 Pressure, psig: 2000

Cylinder #: EB0041079 EB0139719
 EB0081276 EB0137715

<u>Component</u>	<u>Certified Concentration</u>
Nitrogen	≥ 99.9995%
O2	< 0.5 ppm
H2O	< 1.0 ppm
THC	< 0.1 ppm
CO2	< 1.0 ppm
CO	< 0.5 ppm
NOx	< 0.1 ppm
SO2	< 0.1 ppm

<u>Instrument/ Model</u>	<u>Serial Number</u>	<u>Last Date Calibrated</u>	<u>Analytical Method</u>
Illinois/ 3000	30-0319	1/2/2023	Electrochemical
Mecco/ Waterboy LP2	14469	1/2/2023	Electrolytic
Gow-Mac/ 23-500	K35606	1/23/2023	Flame Ionization Detector
Micro GC/ Agilent	US020002031	1/23/2023	Thermal Conductivity
Horiba/ VA-5001	M9GW8GMX	1/23/2023	Non-Dispersive Infrared
CAI/ 600	Y09003	1/23/2023	Chemiluminescence
Horiba/ VIA-510	MAID39C8	1/23/2023	Non-Dispersive Infrared

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, Global Calibration Gases LLC shall have no liability in excess of the established charge for this service. These materials comply with the requirements for emission testing per 40CFR1066.750.

Produced by:
 Global Calibration Gases LLC.
 1090 Commerce Blvd N.
 Sarasota, Florida 34243 USA
 PGVP Vendor ID.: N22023

Analyst: Signature on file

Approved for release: 01/23/2023



EPA Protocol Gas Mixture

Customer:	Beatty Environmental Services	Reference #:	021523YG-16
CGA:	590	Certification Date:	02/21/2023
Customer PO #:	BES2300214	Expiration Date:	02/21/2031
Cylinder #:	EB0138980	Pressure, psig:	2000

Method: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards, Procedure G1 (May 2012).

Components	Requested Concentration	Certified Concentration	Expanded Uncertainty (rel)	Assay Dates
Carbon Dioxide	9%	9.06%	0.8%	02/21/23
Oxygen	12%	11.99%	0.7%	02/21/23
Nitrogen	Balance	Balance	-	-

Reference Standard	Cylinder #	Concentration	Expanded Uncertainty (rel)	Expiration Date
Carbon Dioxide/ GMIS	CC105858	11.99%	0.5%	10/20/28
Carbon Dioxide/ SRM	CAL016053	15.63%	0.2%	02/07/25
Oxygen/ GMIS	EB0047724	12.53%	0.5%	11/08/27
Oxygen/ SRM	CAL015787	20.72%	0.2%	08/23/21

Instrument/ Model	Serial Number	Last Date Calibrated	Analytical Method
Teledyne/7500Z	N2A0826	2/21/2023	Non-Dispersive Infrared
Teledyne 3000MA	345133	2/21/2023	Paramagnetic

This mixture was prepared gravimetrically using a high load high sensitivity electronic scale. Prior to filling the scale is verified for accuracy throughout the target mass range against applicable NIST traceable weights, calibrated to ASTM E617-97 Echelon 1 tolerances.

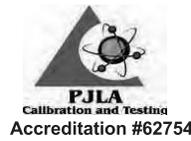
This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, there shall be no liability in excess of the established charge for this service.

The calibration results published in this certificate were obtained using equipment and standards capable of producing results that are traceable to National Institute of Standards and Technology (NIST). The expanded uncertainties use a coverage factor of $k=2$ to approximate the 95% confidence level of the measurement. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from the calibration facility. These materials comply with the requirements for emission testing per 40CFR1065.750. Do not use this standard when cylinder pressure is below 100 psig.

Produced and assayed by:
 Global Calibration Gases LLC
 1090 Commerce Blvd N
 Sarasota, Florida 34243
 PGVP Vendor ID.: N22023

Analyst: Signature on file

Approved for release: 02/21/2023



Red Ball Technical Gas Service
 555 Craig Kennedy Way
 Shreveport, LA 71107
 800-551-8150
 PGVP Vendor ID # G12021

EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

Cylinder Number:	EB0052408	Certification Date:	12/22/2021
Product ID Number:	130047	Expiration Date:	12/20/2029
Cylinder Pressure:	1900 PSIG	MFG Facility:	- Shreveport - LA
COA #	EB0052408.20211214-0	Lot Number:	EB0052408.20211214
Customer PO. NO.:		Tracking Number:	074202283
Customer:		Previous Certification Dates:	

This calibration standard has been certified per the May 2012 EPA Traceability Protocol, Document EPA-600/R-12/531, using procedure G1.

Do Not Use This Cylinder Below 100 psig (0.7 Megapascal).

Certified Concentration(s)

Component	Concentration	Uncertainty	Analytical Principle	Assayed On
Carbon Dioxide	16.60 %	±0.05 %	NDIR	12/22/2021
Oxygen	22.0 %	±0.12 %	MPA	12/21/2021
Nitrogen	Balance			

Analytical Measurement Data Available Online.

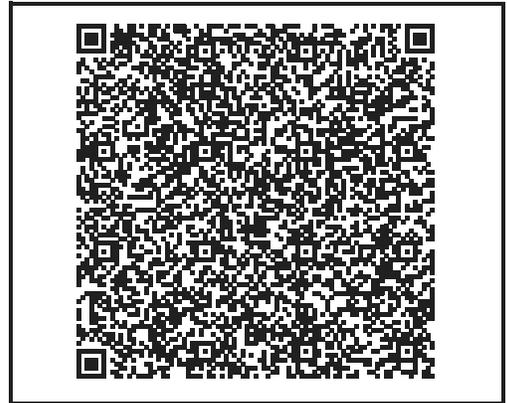
Reference Standard(s)

Serial Number	Lot	Expiration	Type	Balance	Component	Concentration	Uncertainty(%)	NIST Reference
EB0022021	EB0022021.20180323	07/15/2026	GMIS	N2	CO2	14.9 %	0.777	101001
EB0039149	EB0039149.20190610	11/24/2027	GMIS	N2	CO2	24.75 %	0.274	C1579010.02
EB0087693	EB0087693.20180504	07/21/2026	GMIS	N2	O2	24 %	0.497	071001

Analytical Instrumentation

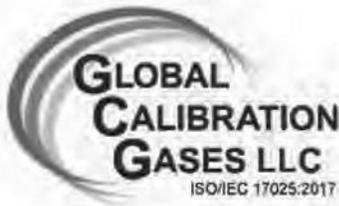
Component	Principle	Make	Model	Serial	MPC Date
O2	MPA	Thermo	410i	1162980025	11/22/2021
CO2	NDIR	Thermo	410i	1162980025	12/20/2021

SMART-CERT



This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account when determining pass or fail.

Anthony Cyr
 Assistant Operations Manager
 Assay Laboratory: Red Ball TGS
 Version 02-J, Revised on 2018-09-17



EPA Protocol Gas Mixture

Customer:	Beatty Environmental Services	Reference #:	012323WZ-9
CGA:	660	Certification Date:	02/08/2023
Customer PO #:	20230016-BESG	Expiration Date:	02/08/2031
Cylinder #:	223503028	Pressure, psig:	2000

Method: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards, Procedure G1 (May 2012).

Components	Requested Concentration	Certified Concentration	Expanded Uncertainty (rel)	Assay Dates
Nitric Oxide	185ppm	186.4ppm	1.0%	02/01/23, 02/08/23
NOx	185ppm	188.0ppm	1.0%	02/01/23, 02/08/23
Carbon Monoxide	185ppm	185ppm	1.1%	02/01/23
Nitrogen	Balance	Balance	-	-

Reference Standard	Cylinder #	Concentration	Expanded Uncertainty	Expiration Date
Nitric Oxide/ GMIS	EB0055162	195.6ppm	0.8%	10/30/23
NOx/ GMIS	EB0055162	196.5ppm	0.8%	10/30/23
Nitric Oxide/ SRM	CAL017400	244.5ppm	0.5%	11/02/15
NOx/ SRM	CAL017400	244.7ppm	0.5%	11/02/15
Carbon Monoxide/ GMIS	GN0000161	251.0ppm	0.5%	11/27/27
Carbon Monoxide/ SRM	FF30742	247.1 ppm	0.2%	04/13/24

Instrument/ Model	Serial Number	Last Date Calibrated	Analytical Method
CAI/ 600	Y09003	2/8/2023	Chemiluminescence
Horiba/ VA-5001	M9GW8GMX	2/1/2023	Non-Dispersive Infrared

This mixture was prepared gravimetrically using a high load high sensitivity electronic scale. Prior to filling the scale is verified for accuracy throughout the target mass range against applicable NIST traceable weights, calibrated to ASTM E617-97 Echelon 1 tolerances.

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, there shall be no liability in excess of the established charge for this service.

The calibration results published in this certificate were obtained using equipment and standards capable of producing results that are traceable to National Institute of Standards and Technology (NIST). The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement. This calibration certificate applies only to the item described and shall not be reproduced other than in full, without written approval from the calibration facility. These materials comply with the requirements for emission testing per 40CFR1065.750. Do not use this standard when cylinder pressure is below 100 psig.

Produced and assayed by:
 Global Calibration Gases LLC
 1090 Commerce Blvd N
 Sarasota, Florida 34243
 PGVP Vendor ID.: N22023

Analyst: Signature on file

Approved for release: 02/08/2023



EPA Protocol Gas Mixture

Customer:	Beatty Environmental Services	Reference #:	012323WZ-8
CGA:	660	Certification Date:	02/08/2023
Customer PO #:	20230016-BESG	Expiration Date:	02/08/2031
Cylinder #:	222303046	Pressure, psig:	2000

Method: This standard was analyzed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards, Procedure G1 (May 2012).

Components	Requested Concentration	Certified Concentration	Expanded Uncertainty (rel)	Assay Dates
Nitric Oxide	375ppm	366.3ppm	0.8%	02/01/23, 02/08/23
NOx	375ppm	369.2ppm	0.8%	02/01/23, 02/08/23
Carbon Monoxide	375ppm	380ppm	0.8%	02/01/23
Nitrogen	Balance	Balance	-	-

Reference Standard	Cylinder #	Concentration	Expanded Uncertainty	Expiration Date
Nitric Oxide/ GMIS	GN0000305	393.0ppm	0.6%	09/14/26
NOx/ GMIS	GN0000305	393.7ppm	0.6%	09/14/26
Nitric Oxide/ SRM	CAL015880	782.4ppm	0.4%	01/09/19
NOx/ SRM	CAL015880	785.7ppm	0.4%	01/09/19
Carbon Monoxide/ GMIS	GN0000161	251.0ppm	0.5%	11/27/27
Carbon Monoxide/ SRM	FF30742	247.1 ppm	0.2%	04/13/24

Instrument/ Model	Serial Number	Last Date Calibrated	Analytical Method
CAI/ 600 Horiba/ VA-5001	Y09003 M9GW8GMX	2/8/2023 2/1/2023	Chemiluminescence Non-Dispersive Infrared

This mixture was prepared gravimetrically using a high load high sensitivity electronic scale. Prior to filling the scale is verified for accuracy throughout the target mass range against applicable NIST traceable weights, calibrated to ASTM E617-97 Echelon 1 tolerances.

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, there shall be no liability in excess of the established charge for this service.

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Produced and assayed by:
Global Calibration Gases LLC
1090 Commerce Blvd N
Sarasota, Florida 34243
PGVP Vendor ID.: N22023

Analyst: Signature on file

Approved for release: 02/08/2023

Attachment F - Project Participants

Project Participants

Beatty Environmental Services, Inc.

Daniel R. Beatty
Project Director (VE)

Nicholas Decker
Field Manager (Method 5 Console)

Jefferey Rutledge
Field Technician I (Probe Technician)

Zachary Beatty
Director of Operations

Resting Rainbow Pet Memorials and Cremations - FID# 0112793

Joseph Castranova III
CEO



Emissions Calculations A-250P-2

Unit: **American Crematory A-250P-2 (double side-by-side)** — emissions unit.

Operating schedule (from ACE form): **10 hours/day, 6 days/week** → **3,120 hr/yr** (10×6×52).

Source test / compliance data used (Gateway test summary provided): **per-unit emission rates** used as the conservative emission factors:

- Total PM = **0.07 lb/hr**
- Solid (filterable) PM = **0.05 lb/hr**
- NO_x = **1.85 lb/hr**
- CO = **0.25 lb/hr**

VOC / HAPs estimated from AP-42 natural gas factors + fuel flow (1,200 scf/hr ≈ 1.2 MMBtu/hr) and annual gas use 3,744,000 scf/yr:

- VOC ≈ **20.59 lb/yr** (≈ 0.0066 lb/hr)
- Formaldehyde (highest single HAP, from AP-42 table) ≈ **0.303 lb/yr**.

Operating hours: 10 hr/day × 6 day/week × 52 weeks = **3,120 hr/yr**.

NO_x annual: 1.85 lb/hr × 3,120 hr/yr = **5,772 lb/yr = 2.886 t/yr**.

CO annual: 0.25 lb/hr × 3,120 hr/yr = **780 lb/yr = 0.39 t/yr**.

Total PM annual: 0.07 lb/hr × 3,120 hr/yr = **218.4 lb/yr = 0.1092 t/yr**.

VOC annual (AP-42): 5.5 lb / 10⁶ scf × 3,744,000 scf/yr = **20.59 lb/yr = 0.0103 t/yr**.

Formaldehyde (highest HAP) (AP-42): 0.081 lb / 10⁶ scf × 3,744,000 scf/yr = **0.303 lb/yr**.

American CREMATORY EQUIPMENT CO.



Equipment Description: American Crematory A250P-2 SxS Double Side-by-Side Crematory

Design Capacity: 2.5 MMBtu/hr natural gas (~2,451 scf/hr)

Annual Fuel Usage: ~7,645,020 scf/year

Waste Type: Animal remains (pet cremation)

Stack Height: 10 ft above unit

Stack Diameter: 20 inches inside diameter

Flow Rate: 1,837 DSCFM

Flow Direction: Vertical, unrestricted

Control Device: Integrated secondary afterburner (>1600°F, ≥1 sec residence time)

Federal Rule Applicability: Exempt – unit is an animal crematory burning only natural gas and animal remains; not subject to NSPS CCCC or NESHAP Subpart EEEE.

Operating basis

- Max heat input (HHV): 2.5 MMBtu/hr (from equipment specs).
- Annual hours: 3,120 hr/yr (business hours – your requested limit).
- Gas heating value (AP-42 convention): 1,020 MMBtu/MMscf.
- Fuel use conversion:

$$\text{MMscf/hr} = \frac{2.5 \text{ MMBtu/hr}}{1,020 \text{ MMBtu/MMscf}} = 0.00245098 \text{ MMscf/hr}$$

$$\text{MMscf/yr} = 0.00245098 \times 3,120 = 7.6471 \text{ MMscf/yr}$$

AP-42 §1.4 (Natural Gas Combustion) emission factors in **lb/MMscf** used below:

NO_x = 100; CO = 84; VOC (as NMOC) = 5.5; SO₂ = 0.6; PM₁₀ = 7.6; PM_{2.5} = 7.6

(PM_{2.5} ≈ PM₁₀ for NG).



Emission calculations (criteria pollutants)

General formulas

- $\text{lb/hr} = (\text{EF, lb/MMscf}) \times (\text{Fuel rate, MMscf/hr})$
- $\text{tpy} = (\text{EF, lb/MMscf}) \times (\text{Annual fuel, MMscf/yr}) \div 2,000$

Using the fuel rates above:

Pollutant	EF (lb/MMscf)	lb/hr	tpy
NO _x	100.0	$100 \times 0.00245098 =$ 0.2451	$100 \times 7.6471 \div 2,000 =$ 0.3824
CO	84.0	0.2059	0.3212
VOC	5.5	0.01348	0.02103
SO ₂	0.6	0.001471	0.002294
PM ₁₀	7.6	0.01863	0.02906
PM _{2.5}	7.6	0.01863	0.02906

HAPs

We apply AP-42 natural-gas combustion factors (lb/MMscf) to 7.647 MMscf/yr.

Formaldehyde: $8.1\text{E-}02$ lb/MMscf $\rightarrow 0.081 \times 7.647 = 0.619$ lb/yr = 0.00031 tpy

American CREMATORY EQUIPMENT CO.



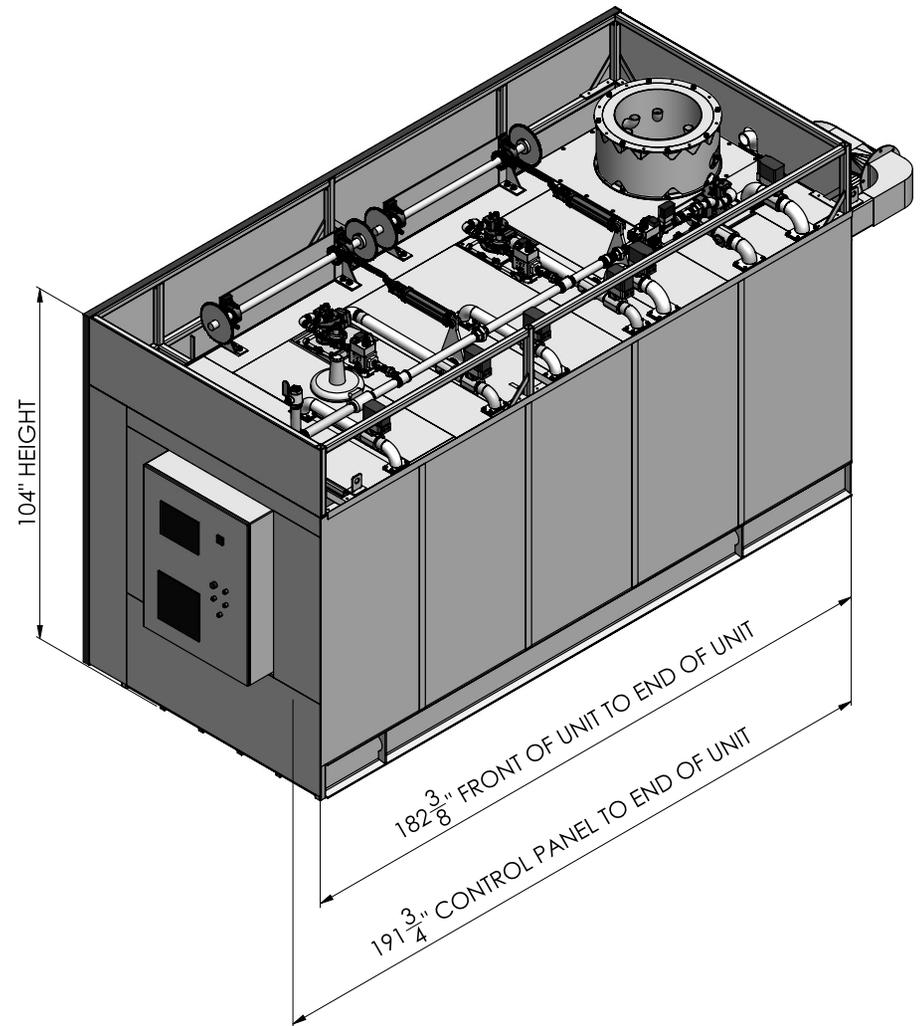
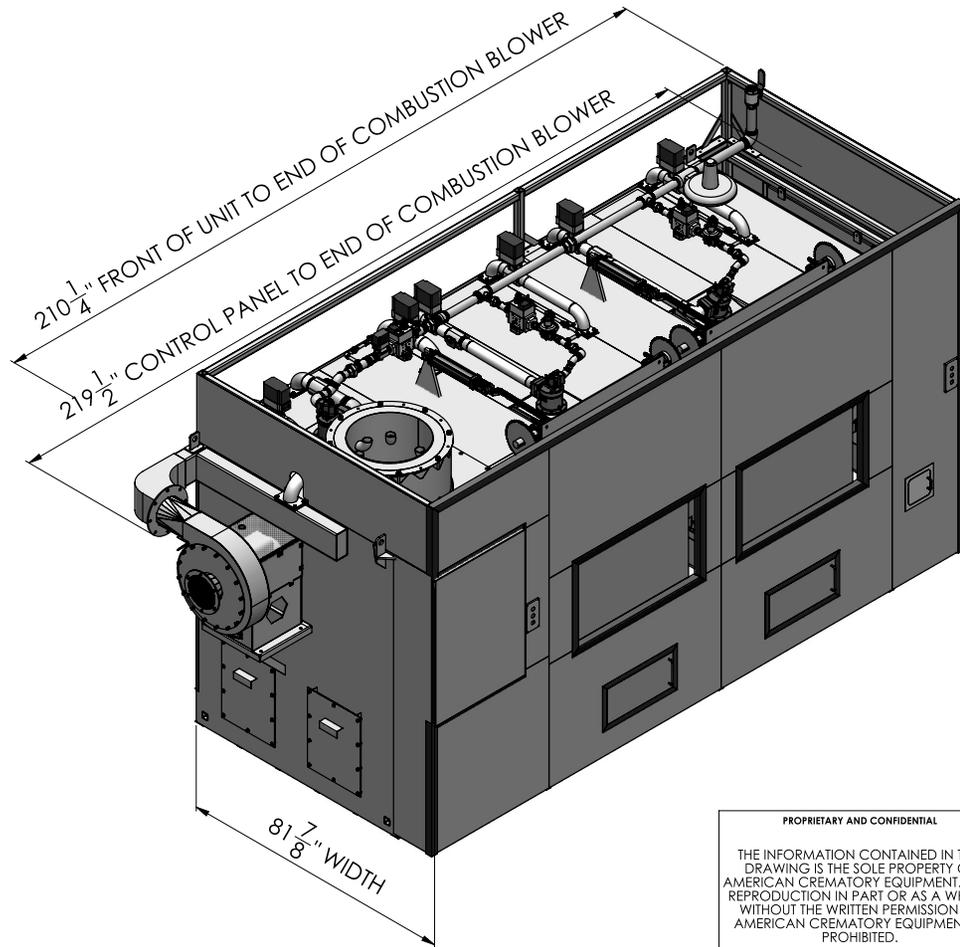
Hazardous Air Pollutants (HAPs)

HAP emissions were estimated using U.S. EPA AP-42 §1.4 natural gas combustion emission factors. Annual natural gas usage for the A-250P-2 crematory is approximately 7.647 MMscf/year.

$$\text{HAP (lb/yr)} = \text{EF (lb/MMscf)} \times 7.647 \text{ MMscf/yr}$$

$$\text{HAP (tpy)} = \frac{\text{lb/yr}}{2,000}$$

HAP	EF (lb/MMscf)	lb/yr	tpy
n-Hexane	1.8	13.76	0.00688
Formaldehyde	0.081	0.619	0.00031
Toluene	0.0034	0.0260	0.000013
Benzene	0.0021	0.0161	0.000008
Naphthalene	0.00061	0.00466	0.0000023
Total HAPs	—	14.43	0.00722



PROPRIETARY AND CONFIDENTIAL

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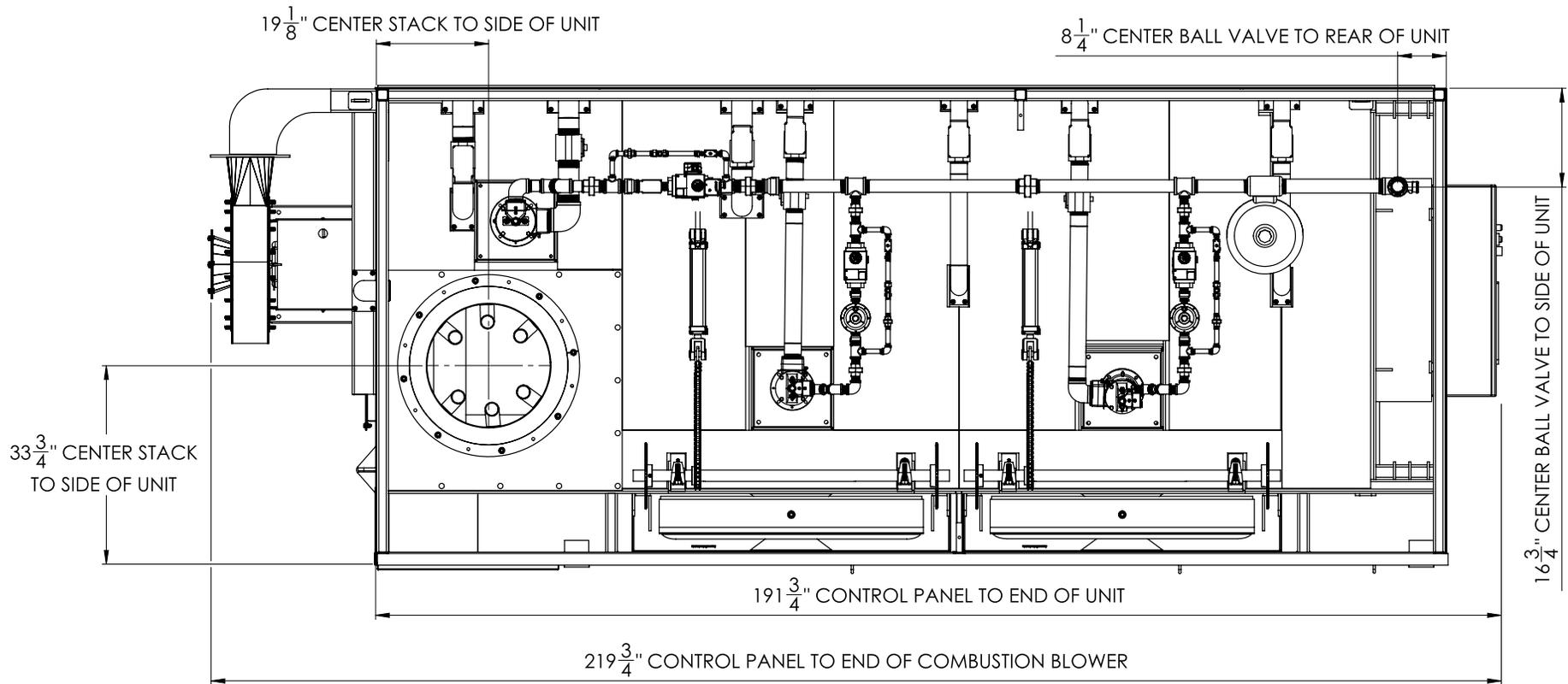
Drawn By: RUBEN SALDANA Date: 7/23/2024

DWG. NO. A250P-2S ISOMETRIC VIEW

TITLE:

MATERIAL:





PROPRIETARY AND CONFIDENTIAL

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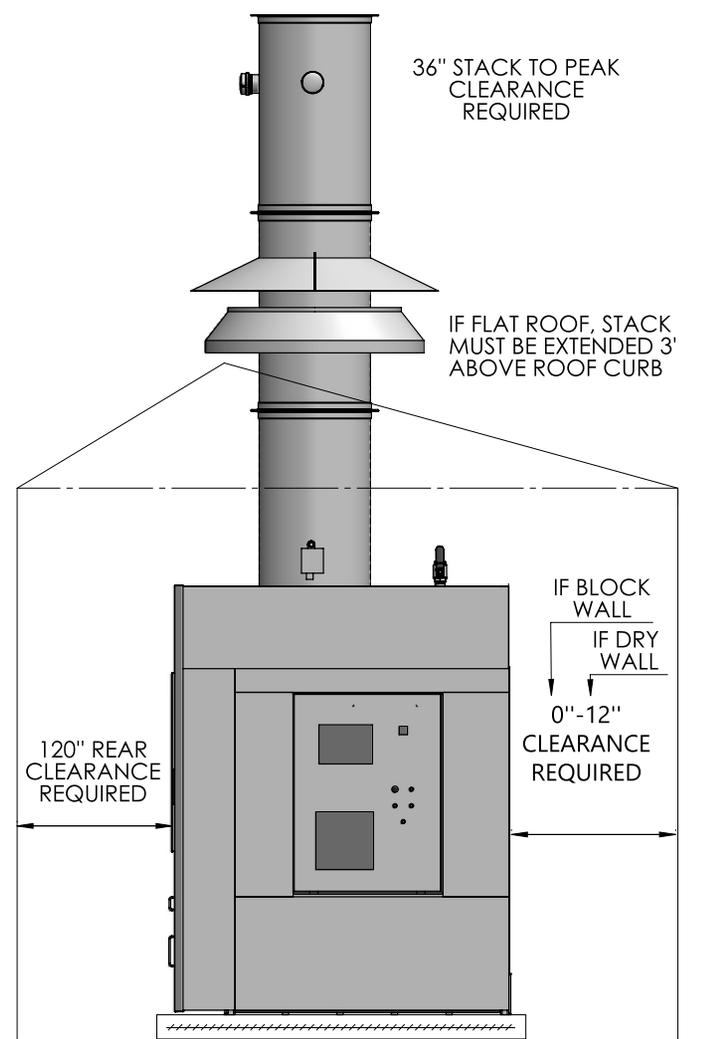
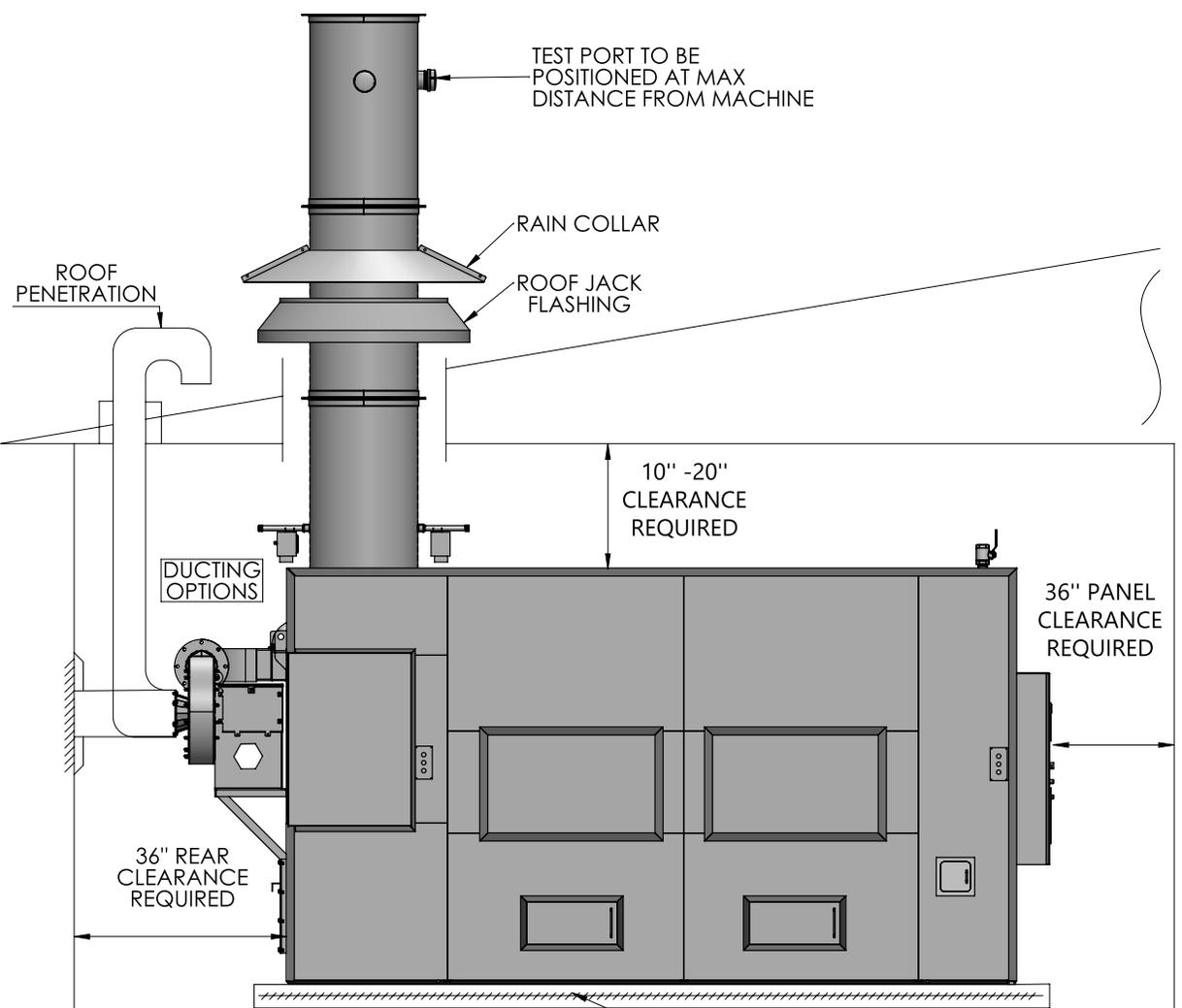
Drawn By: RUBEN SALDANA Date: 7/23/2024

DWG. NO. A250P-2S TOP VIEW

TITLE:

MATERIAL:





CREMATORY CLEARANCES

	RECOMMENDED	MINIMUM
TOP:	3 FEET	12 INCHES
CABINET SIDE:	4 FEET	4 FEET
OTHER SIDE:	2 FEET	12 INCHES
FRONT:	10 FEET	9 FEET
REAR:	3 FEET	32 INCHES
STACK:	12 INCHES	10 INCHES

- FOR CLEARANCES OTHER THAN THOSE SHOWN , OR SPECIAL REQUIREMENTS CONSULT A.C.E.
 - FROM HIGHEST POINT OF UNIT
 - REAR OF UNIT REFERS TO 'BACK PLATE' RATHER THAN THE BACK OF THE BLOWER. (SEE PLAN VIEW).

4" -6" CONCRETE SLAB W/ REBAR

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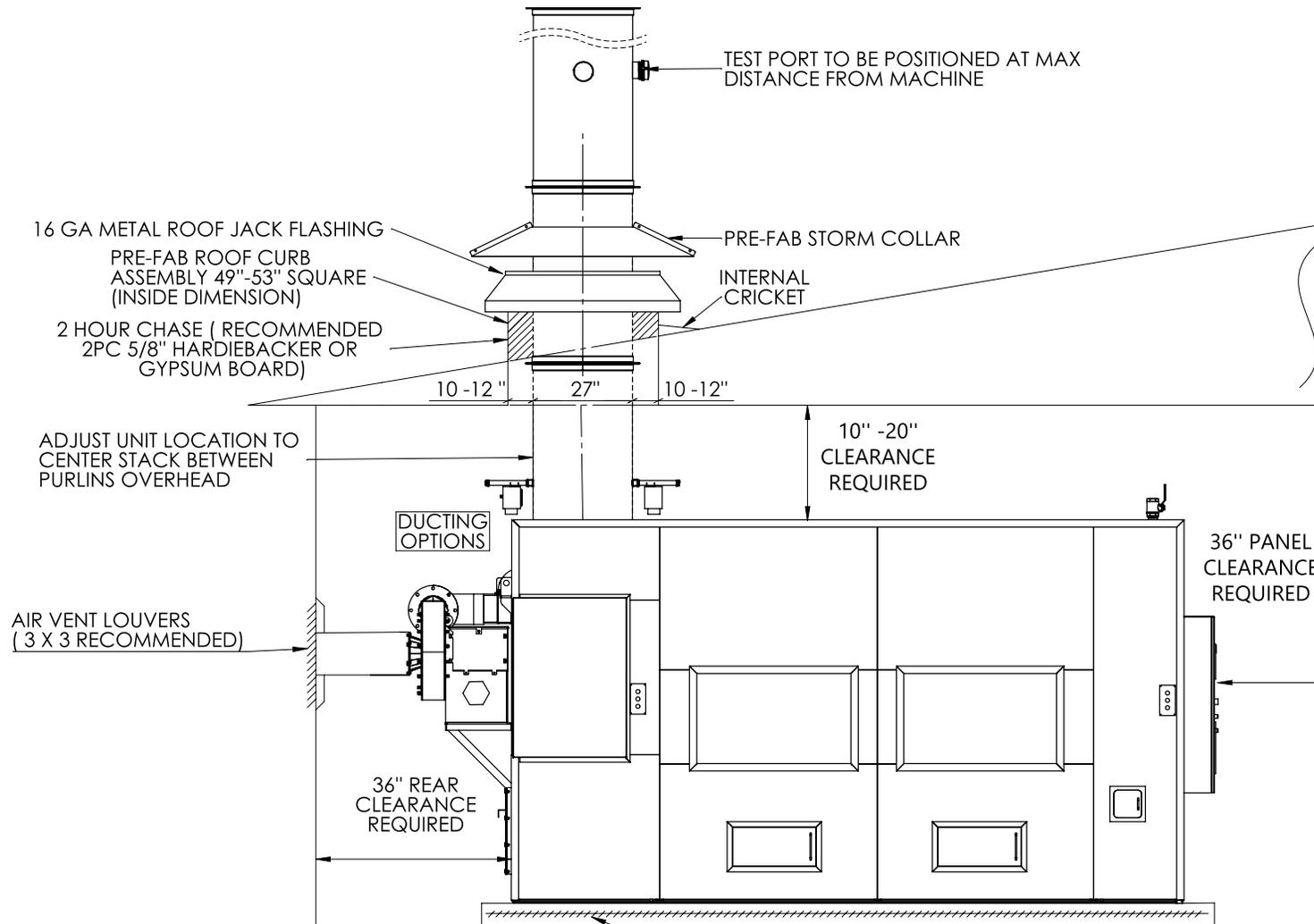
Drawn By: RUBEN SALDANA Date: 7/23/2024

DWG. NO. **A250P-2S BUILDING CLEARANCE**

TITLE:

MATERIAL:





CREMATORY REQUIREMENTS

FUEL:
PRESSURE - 2 PSI FOR NATURAL GAS, OR 16"-18" W.C FOR LP GAS.

CAPACITY:
2.0 MILLION BTU/HR

ELECTRICAL:
230/208 VOLT, 3 ϕ , (50A BREAKER) & 230 VOLT, 1 ϕ ,(60A BREAKER)

AIR:
LOUVER NEAR THE REAR OF THE UNIT CAPABLE OF PASSING 2,500 CU FT /MIN OF FREE AIR (36"X 36")

PROPRIETARY AND CONFIDENTIAL

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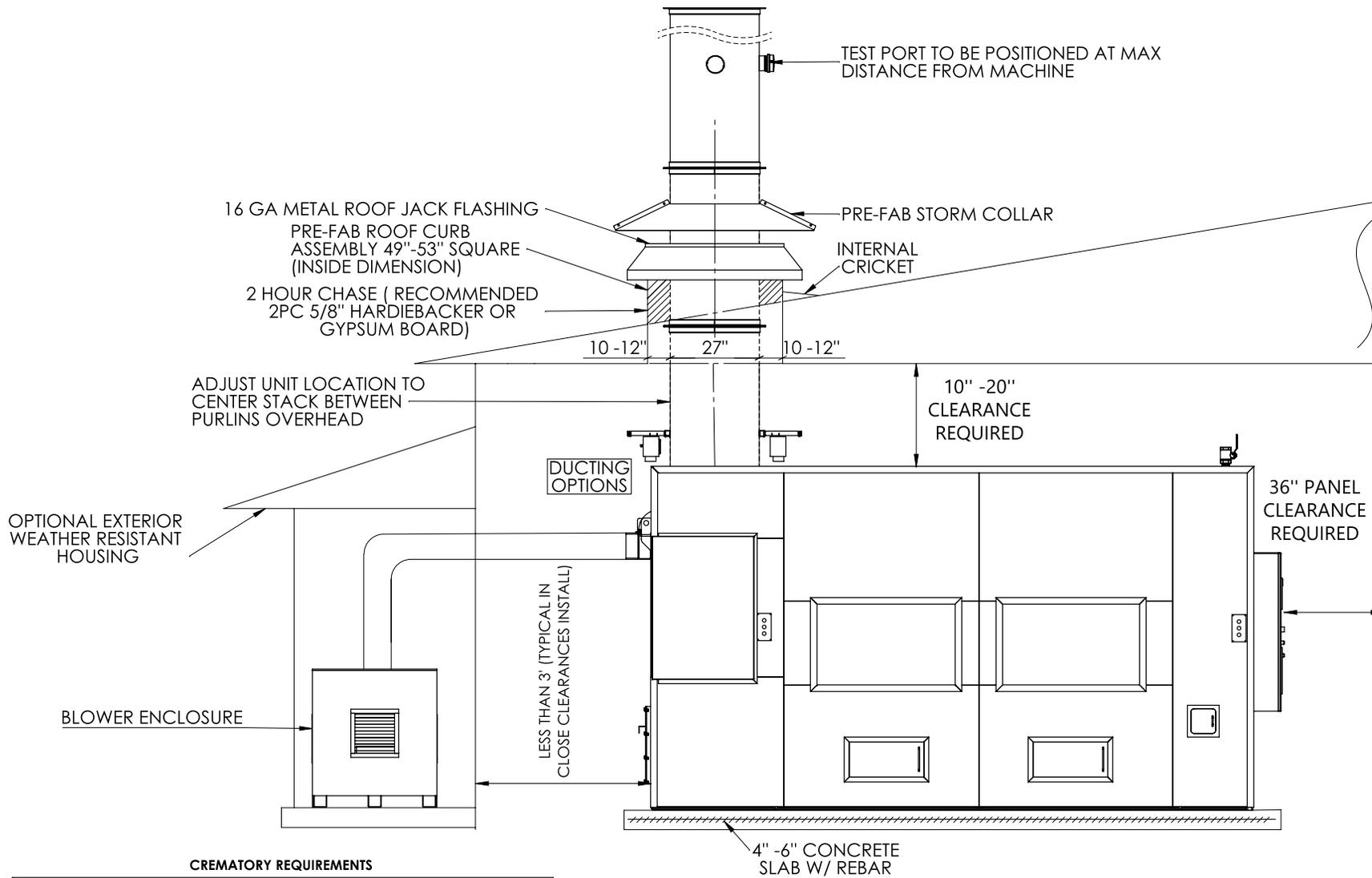
Drawn By: RUBEN SALDANA Date: 7/23/2024

DWG. NO. A250P-2S STANDARD BUILDING VIEW

TITLE:

MATERIAL:





CREMATORY REQUIREMENTS

FUEL:
 PRESSURE - 2 PSI FOR NATURAL GAS, OR 16"-18" W.C FOR LP GAS.

CAPACITY:
 2.0 MILLION BTU/HR

ELECTRICAL:
 230/208 VOLT, 3 ϕ , (50A BREAKER) & 230 VOLT, 1 ϕ ,(60A BREAKER)

AIR:
 LOUVER NEAR THE REAR OF THE UNIT CAPABLE OF PASSING 2,500 CU FT /MIN OF FREE AIR (36"X 36")

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AMERICAN CREMATORY EQUIPMENT. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AMERICAN CREMATORY EQUIPMENT IS PROHIBITED.

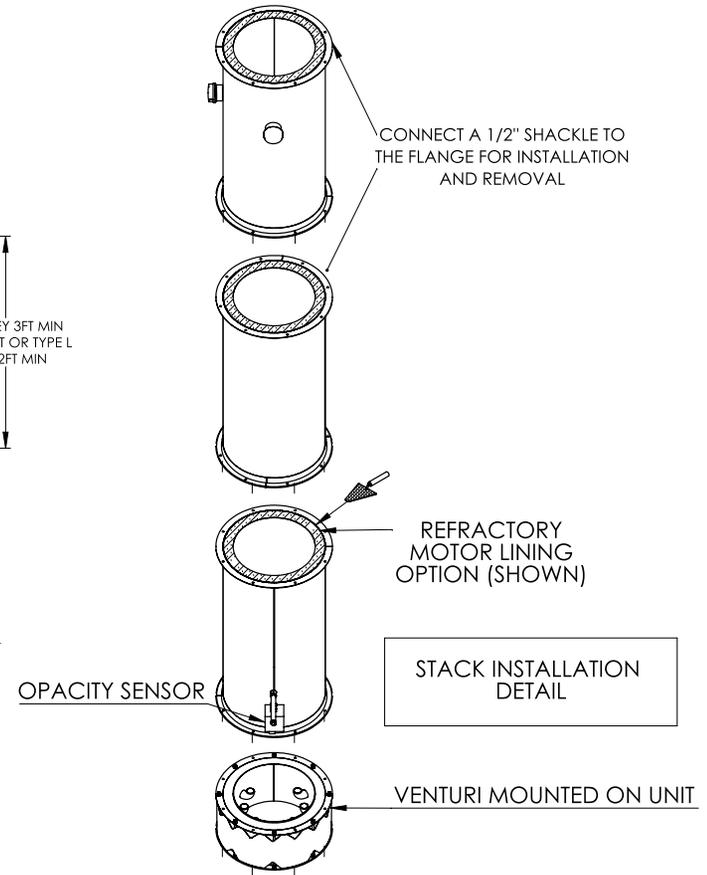
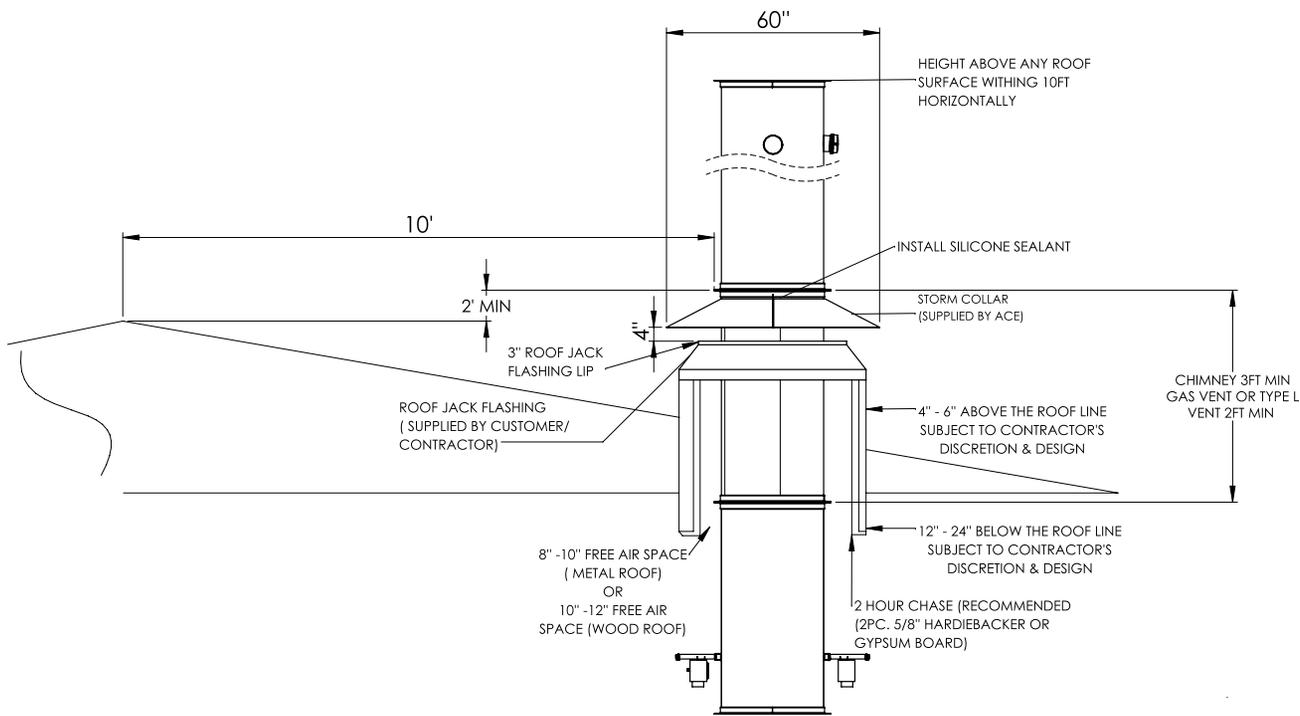
Drawn By: RUBEN SALDANA | Date: 7/23/2024

DWG. NO. A250P-2S PLAN VIEW W/ EXTERIOR BLOWER

TITLE:

MATERIAL:

American
 CREMATORY EQUIPMENT CO.
 6601 Darin Way, Cypress CA 90630



STACK INSTALLATION INSTRUCTIONS

1. APPLY A 1/2" THICK MORTAR JOINT TO EXPOSED REFRACTORY SURFACE IN STACK RING . LOWER THE BASE SECTION ONTO STACK RING 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" ABOVE ROOF JACK (FLASHING), ALLOWING FOR PROPER VENTILATION.
3. APPLY A 1/4" BEAD OF HIGH TEMPERATURE SILICON SEALANT TO THE JOINT BETWEEN THE STORM COLLAR AND STACK.
4. STORM COLLAR IS FURNISHED BY A.C.E. ROOF JACK (FLASHING) TO BE PROVIDED BY OTHERS OR A.C.E IF CONTRACTED TO SUPPLY.
5. IF FIFTY PERCENT OF STACK LENGTH IS ABOVE THE ROOF. GUY WIRES MAY BE REQUIRED. CONSULT WITH YOUR A.C.E REP.
6. RAIN CAP NOT REQUIRED.

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AMERICAN CREMATORY EQUIPMENT. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AMERICAN CREMATORY EQUIPMENT IS PROHIBITED.

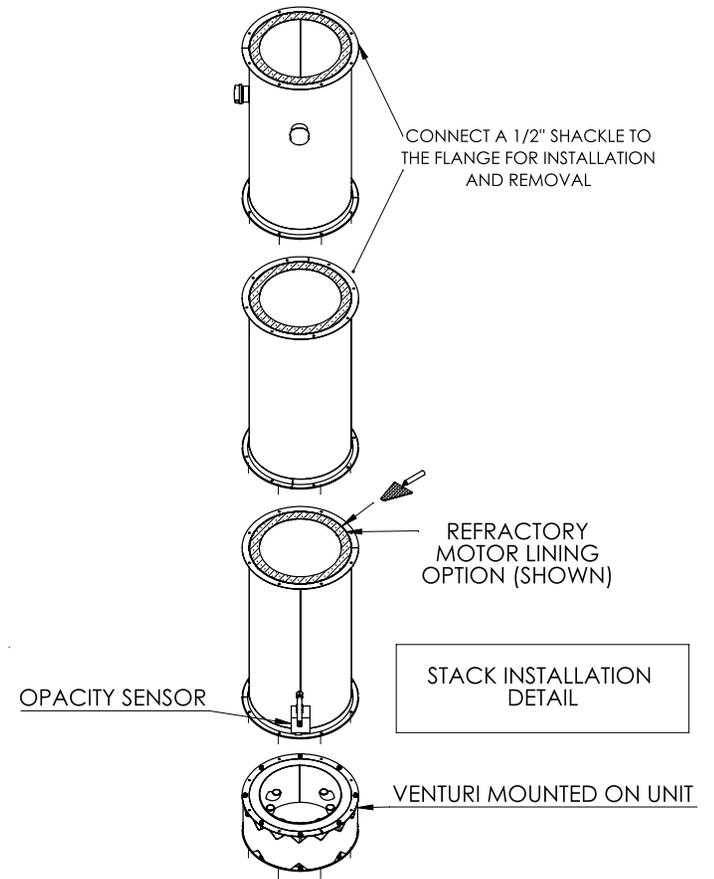
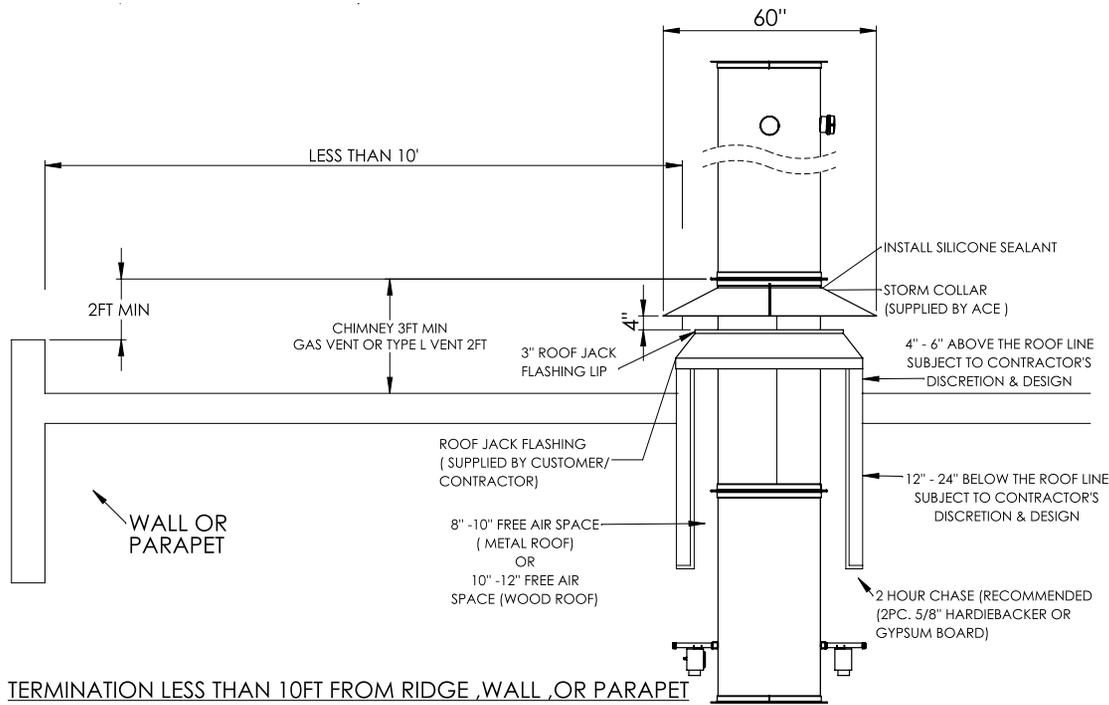
Drawn By: RUBEN SALDANA Date: 7/23/2024

DWG. NO. PITHCED ROOF PENETRATION DETAIL

TITLE:

MATERIAL:





STACK INSTALLATION INSTRUCTIONS

1. APPLY A 1/2" THICK MORTAR JOINT TO EXPOSED REFRACTORY SURFACE IN STACK RING . LOWER THE BASE SECTION ONTO STACK RING 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" ABOVE ROOF JACK (FLASHING), ALLOWING FOR PROPER VENTILATION.
3. APPLY A 1/4" BEAD OF HIGH TEMPERATURE SILICON SEALANT TO THE JOINT BETWEEN THE STORM COLLAR AND STACK.
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5. IF FIFTY PERCENT OF STACK LENGTH IS ABOVE THE ROOF. GUY WIRES MAY BE REQUIRED. CONSULT WITH YOUR A.C.E REP.
6. RAIN CAP NOT REQUIRED.

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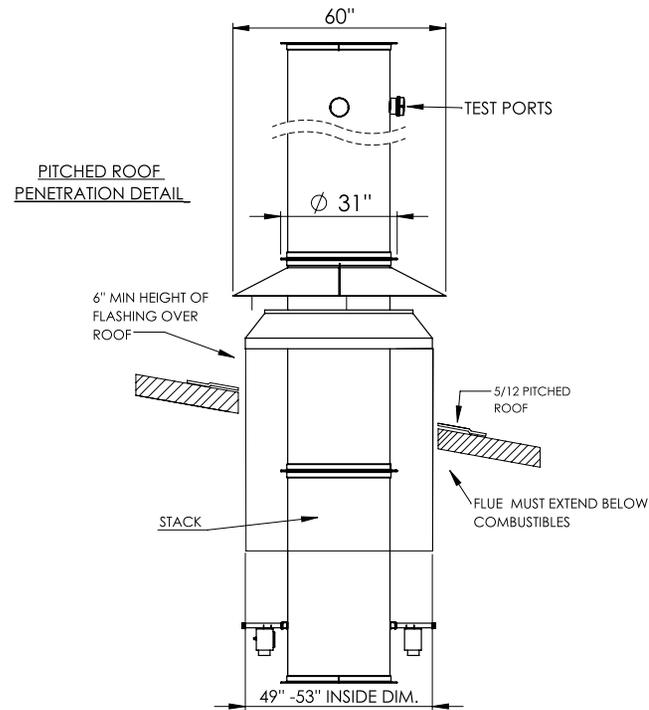
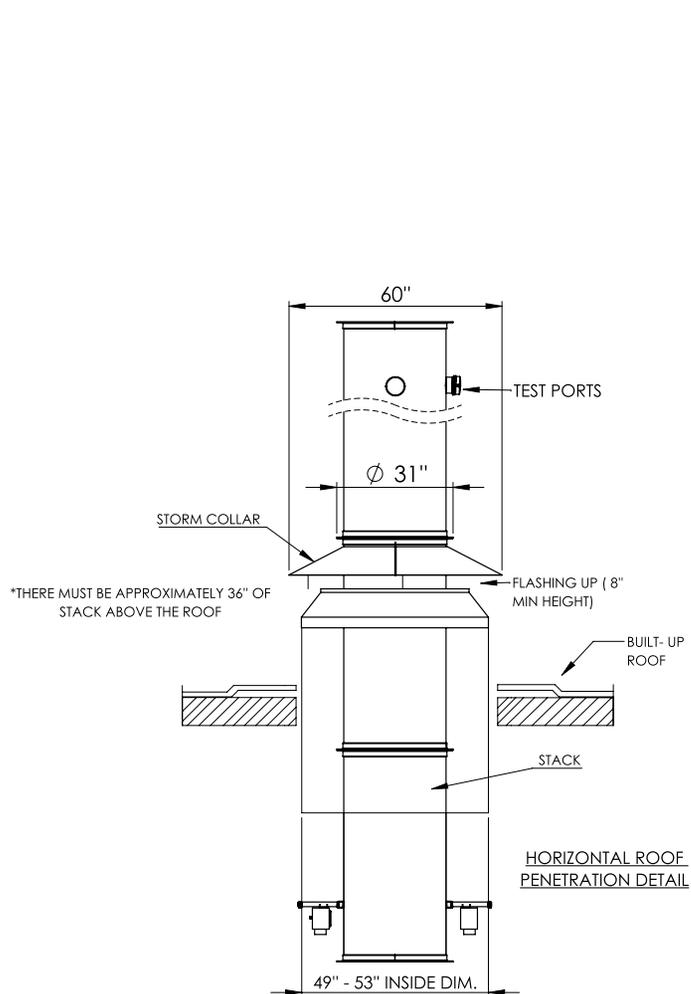
Drawn By: RUBEN SALDANA Date: 7/23/2024

DWG. NO. **FLAT ROOF PENETRATION DETAIL**

TITLE:

MATERIAL:

American
CREMATORY EQUIPMENT CO.
6601 Darin Way, Cypress CA 90630



STACK INSTALLATION INSTRUCTIONS

1. APPLY A 1/2" THICK MORTAR JOINT TO EXPOSED REFRACTORY SURFACE IN STACK RING . LOWER THE BASE SECTION ONTO STACK RING 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.
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5. IF FIFTY PERCENT OF STACK LENGTH IS ABOVE THE ROOF. GUY WIRES MAY BE REQUIRED. CONSULT WITH YOUR A.C.E REP.
6. RAIN CAP NOT REQUIRED.

PROPRIETARY AND CONFIDENTIAL

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Drawn By : RUBEN SALDANA | Date : 7/23/2024

DWG. NO. **STACK PENETRATION DETAIL**

TITLE:

MATERIAL:

American CREMATORY EQUIPMENT CO.
6601 Darin Way, Cypress CA 90630

Texas Commission on Environmental Quality

Standard Permit New Registration

Site Information (Regulated Entity)

What is the name of the site to be authorized?	Resting Rainbow of East Dallas
Does the site have a physical address?	Yes
Physical Address	
Number and Street	1305 INDUSTRIAL DR UNIT A
City	ROYSE CITY
State	TX
ZIP	75189
County	ROCKWALL
Latitude (N) (##.#####)	32.982283
Longitude (W) (-###.#####)	-96.303821
Primary SIC Code	7261
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)?	Resting Rainbow of East Dallas
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1305 INDUSTRIAL DR UNIT A
City	ROYSE CITY
State	TX
ZIP	75189
County	ROCKWALL
Latitude (N) (##.#####)	32.982283
Longitude (W) (-###.#####)	-96.303821
Facility NAICS Code	812220
What is the primary business of this entity?	

Customer (Applicant) Information

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Nous Initiative Investment LLC
Texas SOS Filing Number	803278350
Federal Tax ID	
State Franchise Tax ID	32070231223
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	

Independently Owned and Operated?

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

Nous Initiative Investment LLC

Prefix

First

Thomas

Middle

Last

Khien

Suffix

Credentials

Title

Owner

Responsible Authority Mailing Address

Enter new address or copy one from list:

Site Physical Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

1305 INDUSTRIAL DR UNIT A

Routing (such as Mail Code, Dept., or Attn:)

City

ROYSE CITY

State

TX

ZIP

75189

Phone (###-###-####)

7029783665

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

thomas@restingrainbow.com

Responsible Official Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Nous Initiative Investment LLC

Organization Name

Nous Initiative Investment LLC

Prefix

MR

First

Thomas

Middle

Last

Khien

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)

1305 INDUSTRIAL DR UNIT A

Routing (such as Mail Code, Dept., or Attn:)

City

ROYSE CITY

State

TX

ZIP

75189

Phone (###-###-####)

7029783665

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

thomas@restingrainbow.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Responsible Official Contact

Organization Name

American Crematory Equipment
Company

Prefix

MRS

First

Morgan

Middle

Last

Miller

Suffix

Credentials

Title

Air Quality Permitting

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

6601 DARIN WAY

Routing (such as Mail Code, Dept., or Attn:)

City

CYPRESS

State

CA

ZIP

90630

Phone (###-###-####)

2057153697

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

morgan@americancrematory.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

A250P-2S Building Plan View Stack Penetration
(003) (1).pdf

Hash

A8F969DF3C4AF395251BE77083A6F894AC861DEFB8A0207B134CC5304857200B

MIME-Type

application/pdf

Confidential

No

[File Properties]

File Name Cremation Process.pdf
Hash BCEDD8B8F43796424CFB98808E44AB6CB7B87ECFA943EE33ECE7CB8E65FEF2C5
MIME-Type application/pdf
Confidential No

[File Properties]

File Name A-250P-2 SXS Source Test Resting Rainbow Pet Memorials and Cremations FID 0112793 24025-ST.pdf
Hash 98B5563DF0BB9902D4C1119B606B1EF2BB6689FA2A03CBE53B5860A76DA8592B
MIME-Type application/pdf
Confidential No

[File Properties]

File Name A-250P-2 SXS Double Model Specifications (2).pdf
Hash C85C79A8C5FA95773B8CDD06384FE443BD3BB44B36CD4F55BE5FCEA6EAE3F903
MIME-Type application/pdf
Confidential No

[File Properties]

File Name Emissions Calculations A-250P-2.pdf
Hash 442934EDD0151B21CD7327BE90ECA717D5AAB31A1488909570C5B5E3C51E51CA
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 Thomas Khien, the owner of the STEERS account ER120706.
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 Signature: Thomas Khien OWNER

Customer Number:

Legal Name:

Nous Initiative Investment LLC

Account Number:

ER120706

Signature IP Address:

72.191.251.43

Signature Date:

2026-02-25

Signature Hash:

3C421ED364B7348D6F6BBED7A41F05E4E3F7A102DF480F1C419034A3011F5EFA

Form Hash Code at time of
Signature:

936B297C5A31673CF340051AD4DEC28E0799F74E1C5A6FC8D83D84A137182EBE

Fee Payment

Transaction by:

The application fee payment transaction was made by ER120706/Thomas Khien

Paid by:

The application fee was paid by THOMAS KHIEN

Fee Amount:

\$900.00

Paid Date:

The application fee was paid on 2026-02-25

Transaction/Voucher number:

The transaction number is 582EA000719130 and the voucher number is 817002

Submission

Reference Number:

The application reference number is 898124

Submitted by:

The application was submitted by ER118132/Morgan Hyde

Submitted Timestamp:

The application was submitted on 2026-02-25 at 14:07:01 CST

Submitted From:

The application was submitted from IP address 47.231.197.159

Confirmation Number:

The confirmation number is 748593

Steers Version:

The STEERS version is 6.94

Additional Information

Application Creator: This account was created by Morgan Hyde