Steven Piper

From: Steven Piper
Sent: Monday, July 27, 2026 3:52 PM
To: OCC-NSR; R6AirPermitsTX@epa.gov; Chris Kuhlman
Cc: RFCAIR4
Subject: INITIAL, Christopher Scott Kuhlman, Project: 412426, Permit(s): 184776,
Attachments: Kuhlman Mortuary PN.docx

Please see Public Notice attached.

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 27, 2026

MR CHRISTOPHER SCOTT KUHLMAN
OWNER OPERATOR
KUHLMAN MORTUARY & CREMATORY
7849 PLAINVIEW RD
KRUM TX 76249-4443

Re: Declaration of Administrative Completeness
Animal Carcass Incinerator Registration for an Air Quality Standard Permit
Air Quality Registration Number: 184776
Animal Carcass Incinerator
Krum, Denton County
Customer Reference Number: CN606320257
Regulated Entity Number: RN112074257

Dear Mr. Kuhlman:

The Texas Commission on Environmental Quality (TCEQ) has declared the above-referenced application, received on July 23, 2026, administratively complete on July 27, 2026.

You are now required to publish notice of your proposed activity no later than the 30th day after the executive director received the application, which is August 22, 2026. To help you meet the regulatory requirements associated with this notice, we have included the following items:

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

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

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

1. Publish the enclosed notice no later than the 30th day after the date the executive director received the application, which is August 22, 2026 (see this letter's first paragraph for the application received date).

2. You may also be required to publish notice in an alternate language (refer to the enclosed *Instructions for Public Notice*). The Spanish notice templates are available at:

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 Mr. Steven Piper at (512) 239-1589.

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: 412426

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PROPOSED AIR QUALITY REGISTRATION NUMBER 184776

APPLICATION. Kuhlman Mortuary & Crematory, 7849 Plainview Road, Krum, Texas 76249-4443 has applied to the Texas Commission on Environmental Quality (TCEQ) for an Air Quality Standard Permit, Registration Number 184776, which would authorize construction of an animal carcass incinerator. The facility is proposed to be located at 7849 Plainview Rd, Krum, Denton County, Texas 76249. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.261919,33.260936&level=13. This application was submitted to the TCEQ on July 23, 2026. The primary function of this facility is to properly dispose of animal carcasses through incineration. The executive director has determined the application was administratively complete on July 27, 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 Kuhlman Mortuary & Crematory, 7849 Plainview Road, Krum, Texas 76249-4443, or by calling Mr. Christopher Scott Kuhlman, Owner Operator at (940) 458-8505.

Notice Issuance Date: July 27, 2026

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

Notice of Application

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

Please Review Notice

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

Newspaper Notice

- You must publish the enclosed Notice of Application no later than the 30th day after the date the executive director received the application, which is August 22, 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: Christopher Scott Kuhlman
Permit No.: 184776
Application Received Date: July 23, 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.

_____
Notary Public in and for the State of Texas

[Affix Seal]

_____
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: Christopher Scott Kuhlman
Permit No.: 184776
Application Received Date: July 23, 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. Joe Nicosia at Joe.Nicosia@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: .....Christopher Scott Kuhlman	
Facility/ Site name:.....Pet Crematory	
TCEQ permit number:.....184776	
Application received date: ..... July 23, 2026	
Customer reference number:..... CN606320257	
Regulated entity number:..... RN112074257	
County: ..... Denton	**Region:** 4
Local program 1:	**Local program 2:**
Permit type: Standard Permit Application	
Internal program routing	
Tech. team leader: Mr. Joe Nicosia	**Phone no.** (512) 239-1644
APIRT team leader: Nancy Birdsong	**Date:** July 27, 2026
Administratively reviewed by: Steve Piper	**Phone no.** (512) 239-1589
Administratively complete date: July 27, 2026	
Public viewing location must have internet access: ☐ **Yes** ☒ **No**	
Is 2nd public notice required: ☐ **Yes** ☒ **No**	
*Other	

For TCEQ Use Only

Applicant and Contact Information

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

Applicant's main contact and address to be shown on permit:	
Name/Title: Christopher Scott Kuhlman, Owner Operator	
Company: Kuhlman Mortuary & Crematory	
Street/Road: 7849 Plainview Rd	
City/State/Zip: Krum, TX 76249-4443	
Telephone: (940) 458-8505	**Fax:**
Applicant's technical representative/ consultant:	
Name/Title: Christopher Scott Kuhlman, Owner Operator	
Company: Kuhlman Mortuary & Crematory	
Street/Road: 7849 Plainview Rd	
City/State/Zip: Krum, TX 76249-4443	
Phone: (940) 458-8505	**Fax:**
Person responsible for publishing notice:	
Name/Title: Christopher Scott Kuhlman, Owner Operator	
Company: Kuhlman Mortuary & Crematory	
Street/Road: 7849 Plainview Rd	
City/State/Zip: Krum, TX 76249-4443	
Telephone: (940) 458-8505	**Fax:**

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 limitations[1] of 30 TAC §106.261 or 30 TAC §106.262, and

[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.

- 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.

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: Kuhlman Mortuary & Crematory
B.	Company Official Contact Information:
	☑ Mr.
	☐ Mrs.
	☐ Ms.
	☐ Other:
Name:	Christopher Kuhlman
Title:	owner
Mailing Address:	7849 Plainview Rd.
City:	Krum
State:	TX
ZIP Code:	76249
Telephone Number:	940-458-8505
Fax Number:	
Email Address:	Chris@kuhlmanmortuary.com
All permit correspondence will be sent via email.	
C.	Technical Contact Information
	☑ Mr.
	☐ Mrs.
	☐ Ms.
	☐ Other:
Name:	Christopher Kuhlman
Title:	owner
Company Name:	Kuhlman Mortuary & Crematory, LLC
Mailing Address:	7849 Plainview Rd.
City:	Krum
State:	TX
ZIP Code:	76249

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Texas Commission on Environmental Quality

I.	**Registrant Information *(continued)***
C.	Technical Contact Information *(continued)*
Telephone Number:	940 458 8505
Fax Number:	
Email Address:	Chris@Kuylmanmortuary.com
II.	**Facility and Site Information**
A.	Name and Type of Facility
Facility Name:	Kuylman Mortuary & Crematory, LLC
Type of Facility:	☑ Permanent ☐ Temporary
For portable units, please provide the serial number of the equipment being authorized below.	
Serial No(s):	
B.	Facility Location Information
Street Address:	7849 Plainview Rd.
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:	Krum
County:	Denton
ZIP Code:	76249
C.	Core Data Form (**required** for Standard Permits 6006, 6007, and 6013).
Is the Core Data Form (TCEQ Form 10400) attached?	☑ Yes ☐ No
Customer Reference Number (CN):	606320257
Regulated Entity Number (RN):	110274257
D.	TCEQ Account Identification Number (if known):

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

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:
B.	Voucher number from ePay:
IV.	**Public Notice** ***(if applicable)***
A.	Responsible Person
	☑ Mr.
	☐ Mrs.
	☐ Ms.
	☐ Other:
Name:	Christopher Kuhlman
Title:	Owner
Company:	Kuhlman Mortuary & Crematory
Mailing Address:	7849 Plainview Rd.
City:	Krum
State:	TX
ZIP Code:	76249
Telephone No.:	940-458-8505
Fax No.:	
Email Address:	Chris@KuhlmanMortuary.com
B.	Technical Contact
	☐ Mr.
	☐ Mrs.
	☐ Ms.
	☐ Other:
Name:	Christopher Kuhlman
Title:	Owner
Company:	Kuhlman Mortuary & Crematory, LLC
Mailing Address:	7849 Plainview Rd.
City:	Krum
State:	TX
ZIP Code:	76249

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

II. Facility and Site Information *(continued)*
I. Other Air Preconstruction Permits
Are there any other air preconstruction permits at this site? ☑ Yes ☐ No
If "Yes," enter permit number(s) in the spaces provided below. 178181
J. Affected Air Preconstruction Permits
Does the standard permit directly affect any permitted facility? ☐ Yes ☑ No
If "Yes," enter permit number(s) in the spaces provided below.
K. Federal Operating Permit (FOP) Requirements
Is this facility located at a site that is required to obtain a FOP pursuant to 30 TAC Chapter 122? ☐ Yes ☑ No ☐ To Be Determined
Check the requirements of 30 TAC Chapter 122 that will be triggered if this standard permit is approved *(check all that apply)*. ☐ Initial Application for a FOP ☐ Significant Revision for a SOP ☐ Minor Revision for a SOP ☐ Operational Flexibility/Off Permit Notification for a SOP ☐ Revision for a GOP ☐ To be Determined ☑ None
Identify the type(s) of FOP issued and/or FOP application(s) submitted/pending for the site. *(check all that apply)* ☐ SOP ☐ SOP application/revision (submitted or under APD review) ☐ GOP ☐ GOP application/revision (submitted or under APD review) ☑ N/A

Form PI-1S
Registrations for Air Standard Permit
(Page 6)
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IV. Public Notice *(if applicable)*
B. Technical Contact
Telephone Number: 940-458-8505
Fax Number:
Email Address: Chris@Kaufman Mortuary.com
C. Bilingual Notice
Is a bilingual program required by the Texas Education Code in the School District? ☐ Yes ☑ No
Are the children who attend either the elementary school or the middle school closest to your facility eligible to be enrolled in a bilingual program provided by the district? ☐ Yes ☑ No
If "Yes," list which language(s) are required by the bilingual program below? Language(s): _____ Language(s): _____
D. Small Business Classification and Alternate Public Notice
Does this company (including parent companies and subsidiary companies) have fewer than 100 employees or less than $6 million in annual gross receipts? ☑ Yes ☐ No
Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program? ☐ Yes ☑ No
Are the site emissions of any individual regulated air contaminant equal to or greater than 50 tpy? ☐ Yes ☑ No
Are the site emissions of all regulated air contaminant combined equal to or greater than 75 tpy? ☐ Yes ☑ No

Form PI-1S
Registrations for Air Standard Permit
(Page 7)
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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? ☐ Yes ☑ No
B.	For facilities participating in the Houston/Galveston/Brazoria area (HGB) cap and trade program for highly reactive VOCs (HRVOCs), do the HRVOCs need to be speciated on the maximum allowable emission rates table (MAERT)? ☐ Yes ☑ No
C.	Does the company and/or site have an unsatisfactory compliance history? ☐ Yes ☑ No
D.	Are there any applications currently under review for this standard permit registration? ☐ Yes ☑ No
E.	Are scheduled maintenance, startup, or shutdown emissions required to be included in the standard permit registration at this time? ☐ Yes ☑ No
F.	Are any of the following actions being requested at the time of renewal: ☐ Yes ☑ No
1.	Are there any facilities that have been permanently shut down that are proposed to be removed from the standard permit registration? ☐ Yes ☑ No
2.	Do changes need to be made to the standard permit registration in order to remain in compliance? ☐ Yes ☑ No
3.	Are sources or facilities that have always been present and represented, but never identified in the standard permit registration, proposed to be included with this renewal? ☐ Yes ☑ No
4.	Are there any changes to the current emission rates table being proposed? ☐ Yes ☑ No
*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.*	
*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
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VI.	Technical Information Including State and Federal Regulatory Requirements
Place a check next to the appropriate box to indicate what you have included in your submittal. *Note: Any technical or essential information needed to confirm that facilities are meeting the requirements of the standard permit must be provided. Not providing key information could result in an automatic deficiency and voiding of the project.*	
A.	Standard Permit requirements (Checklists are optional; however, your review will go faster if you provide applicable checklists.)
Did you demonstrate that the general requirements in 30 TAC§§116.610 and 116.615 are met?	☑ Yes ☐ No
Did you demonstrate that the individual requirements of the specific standard permit are met?	☑ Yes ☐ No
B.	Confidential Information (All pages properly marked "CONFIDENTIAL"). ☑ Yes ☐ No
C.	Process Flow Diagram. ☑ Yes ☐ No
D.	Process Description. ☑ Yes ☐ No
E.	Maximum Emissions Data and Calculations. ☑ Yes ☐ No
F.	Plot Plan. ☑ Yes ☐ No
G.	Projected Start of Construction Date, Start of Operation Date, and Length of Time at Site: ☑ Yes ☐ No
Projected Start of Construction (provide date):	8-1-26
Projected Start of Operation (provide date):	8-1-26
Length of Time at the Site:	N/A

VII. Delinquent Fees and Penalties
This form **will not be processed** until all delinquent fees and/or penalties owed to TCEQ or the Office of the Attorney General on behalf of TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ website at: www.tceq.texas.gov/agency/financial/fees/delin/index.html
VIII. Signature Requirements
The signature below confirms that I have knowledge of the facts included in this application and that these facts are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7; the Texas Health and Safety Code (THSC), Chapter 382, the Texas Clean Air Act (TCAA) the air quality rules of the Texas Commission on Environmental Quality; or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements. The signature further signifies awareness that intentionally or knowingly making or causing to be made false material statements or representations in the application is a criminal offense subject to criminal penalties.
Name (printed): Christopher Kuhlman
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/.

TCEQ Core Data Form

TCEQ Use Only

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

SECTION I: General Information

1. Reason for Submission *(If other is checked please describe in space provided.)*
☑ New Permit, Registration or Authorization *(Core Data Form should be submitted with the program application.)*
☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*: CN 606320257
Follow this link to search for CN or RN numbers in Central Registry**

3. Regulated Entity Reference Number *(if issued)*: RN 112074257

SECTION II: Customer Information

4. General Customer Information | 5. Effective Date for Customer Information Updates (mm/dd/yyyy)

☑ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*: Kuhlman Mortuary & Crematory, LLC
If new Customer, enter previous Customer below:

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
	32095334473	993291236	

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other ☐ Sole Proprietorship ☑ Other: LLC

12. Number of Employees: ☑ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher
13. Independently Owned and Operated? ☑ Yes ☐ No

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*
☑ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other: ____

15. Mailing Address: 7849 Plainview Rd.
City: Krum State: TX ZIP: 76249 ZIP + 4:

16. Country Mailing Information *(if outside USA)*: USA
17. E-Mail Address *(if applicable)*: Chris@kuhlmanmortuary.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(940) 458-8505		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)*
☑ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*: Kuhlman Mortuary & Crematory, LLC

23. Street Address of: 7849 Plainview Rd.

the Regulated Entity: (No PO Boxes)								
	City	Krum	State	TX	ZIP	76249	ZIP + 4	
24. County	Denton							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:								
26. Nearest City					State		Nearest ZIP Code	
Krum					TX		76249	
27. Latitude (N) In Decimal:	33.26108°			28. Longitude (W) In Decimal:	97.26201°			
Degrees	Minutes	Seconds		Degrees	Minutes	Seconds		

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Mortuary & Crematory

34. Mailing Address:	7849 Plainview Rd.						
	City	Krum	State	TX	ZIP	76249	ZIP + 4
35. E-Mail Address:	Chris@Kuhlmanmortuary.com						

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
940458-8505		( ) -

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☑ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
	6001			
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Christopher Kuhlman	41. Title:	Owner

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
9404588505		( ) -	Chris@Kuhlmanmortuary.com

SECTION V: Authorized Signature

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

Company:	Kuhlman Mortuary & Crematory	Job Title:	Air Permit	
Name *(In Print)*:	Christopher Kuhlman	Phone:	(940 458 8505	
Signature:				

		Date:	

EMISSIONS TESTING
of the
FONTAINE PET CREMATORY
Animal Crematory
Avon Park, Florida

March 6, 2003

FDEP Permit No. AC28-247729

SES Reference No. 03S24

Project Participants

Byron E. Nelson
Kenneth M. Roberts
Mark S. Gierke

EMISSIONS TESTING
of the
FONTAINE PET CREMATORY
Animal Crematory Incinerator
Avon Park, Florida

March 6, 2003

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Project Participants
Certification
Visible Emissions Evaluation
Process Weight Statement
Laboratory Data
Field Data Sheets
Calibration Data
Calculations and Symbols

1.0 INTRODUCTION

Southern Environmental Sciences, Inc. conducted emissions testing of the Fontaine Pet Crematory on March 6, 2003. This plant is located at 697 U.S. Highway 27 North, Avon Park, Florida. Testing was conducted for particulates, carbon monoxide and visible emissions. Oxygen concentrations were measured to correct emissions rates to 7% O_2. Testing was performed to determine if the plant was operating in compliance with requirements of the Florida Department of Environmental Protection (FDEP). The FDEP was notified of the test date in advance of the test in order to provide an opportunity for an observer to be present during the testing.

2.0 SUMMARY OF RESULTS

The facility was found to be in compliance with all applicable emission limiting standards. Results of the particulate, and carbon monoxide testing are summarized in Table 1. Particulate emissions for this source are limited to a maximum allowable concentration of 0.080 grains per dry standard cubic foot (corrected to 7% O_2). The average measured particulate concentration was 0.025 grains per dry standard cubic foot (corrected to 7% O_2), well with in the limit. The maximum allowable carbon monoxide emissions concentration from this source is 100 parts per million, dry basis (corrected to 7% O_2). The average measure carbon monoxide emission concentration was 32.3 parts per million, dry basis (corrected to 7% O_2), well within the acceptable limit.

A visible emissions evaluation was performed over a one hour period. The average Maximum six minute opacity was zero percent, well within the allowable limit of 20 percent.

3.0 PROCESS DESCRIPTION

The B&L Model BLI-400 crematory incinerator cremates animal remains in an environmentally acceptable manner. The primary chamber is refractory lined with a natural gas burner and is designed to operate at a temperature of 1400°F. Emissions are controlled by an afterburner that is preheated and maintained at a minimum operating temperature of 1600° F prior to ignition of the primary chamber. The unit is designed to incinerate at a maximum rate of 75 pounds per hour with a maximum heat input rate of 1.4 MMBTU per hour (primary chamber 0.5 MMBTU per hour, secondary chamber 0.9 MMBTU/ht). The time required for complete incineration depends upon the total weight of the batch (400 lb. max). Process rates were determined by plant personnel and are included in the appendix.

4.0 SAMPLING PROCEDURES

4.1 Methods

All sampling was performed using methods currently acceptable to the FDEP. Particulate sampling and analyses were conducted in accordance with EPA Method 5 – Determination of Particulate Emissions from Stationary Sources, 40 CFR 60, Appendix A. Carbon Monoxide Emissions were conducted in accordance with EPA Method 10 – Determination of Carbon Monoxide Emissions from Stationary Sources, 40 CFR 60, Appendix A. The oxygen content of the stack was determined in accordance with EPA Method 3 – Gas Analysis for Carbon Dioxide, Oxygen, Excess Air, and Dry Molecular Weight, 40 CFR 60, Appendix A.

TABLE 1. EMSISSIONS TEST SUMMARY

Company: FONTAINE PET CREMATORY
Source: Crematory Incinerator

	Run 1	Run 2	Run 3
Date of Run	3/6/03	3/6/03	3/6/03
Process Rate (lbs./hr,)	68	72	69
Start Time (24-hr. clock)	1103	1437	1820
End Time (24-hr. clock)	1205	1540	1923
Vol. Dry Gas Sampled Meter Cond. (DCF)	33.292	34.892	34.453
Gas Meter Calibration Factor	1.010	1.010	1.010
Barometric Pressure at Barom. (in. Hg.)	30.05	30.10	30.10
Elev. Diff. Manom. To Barom. (ft)	0	0	0
Vol. Gas Sampled Std. Cond. (DSCF)	34.031	35.035	34.557
Vol. Liquid Collected Std. Cond. (SCF)	4.503	4.310	3.607
Moisture in Stack Gas (% Vol.)	11.7	11.0	9.5
Molecular Weight Dry Stack Gas	29.14	29.30	29.39
Molecular Weight Wet Stack Gas	27.84	28.06	28.31
Stack Gas Static Press. (in. H20 gauge)	-0.03	-0.03	0.00
Stack Gas Static Press. (in. Hg abs.)	30.05	30.10	30.10
Average Square Root Velocity Head	0.192	0.194	0.188
Average Orifice Differential (in.H20)	1.063	1.118	1.115
Average Gas Meter Temperature (°F)	65.3	75.8	76.3
Average Stack Gas Temperature (°F)	1614.5	1534.8	1627.5
Pitot Tube Coefficient	0.84	0.84	0.84
Stack Gas Vel. Stack Cond. (ft./sec.)	22.22	21.38	21.14
Effective Stack Area (sq. ft)	1.10	1.10	1.10
Stack Gas Flow Rate Std. Cond. (DSCFM)	626	663	638
Stack Gas Flow Stack Cond. (ACFM)	2,609	2,798	2,767
Net Time of Run (min.)	60	60	60
Nozzle Diameter (in.)	0.603	0.603	0.603
Percent Isokinetic	99.7	96.9	99.4
Oxygen (%)	10.9	10.9	11.1
Particulate collected (mg.)	51.8	11.9	55.1
Particulate Emissions (gr./DSCF)	**0.023**	**0.005**	**0.025**
Particulate Emissions (gr./DSCF @ 7% 02)	**0.033**	**0.007**	**0.035**
Avg. Particulate Emissions (gr./DSCF @ 7% 02)	**0.025**		
Allowable Par. Emissions (gr./DSCF @ 7% 02)	**0.080**		
CO Emissions (ppm)	**7.5**	**17.0**	**44.3**
CO Emissions (ppm @ 7% O2)	**10.4**	**23.6**	**62.6**
Avg. CO Emissions (ppm @ 7% O2)	**32.3**		
Allowable CO Emissions (ppm @ 7% O2)	**100**		

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

4.2 Sampling Locations

Locations of the sample ports and stack dimensions are shown in Figure 1. Particulate sampling was accomplished by conducting horizontal traverses through each of two ports located on the stack at a ninety degree angle from one another. Twenty four sample points were chosen in accordance with EPA Method 1 – Sample and Velocity Traverses for Stationary Sources, 40 CFR 60, Appendix A. Carbon monoxide and oxygen sampling were performed from the same sampling ports as the particulate sampling.

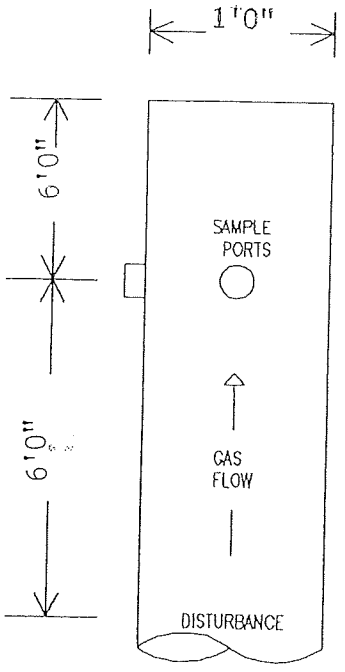


Figure 1. Stack dimensions and sample ports locations, Fontaine Pet Crematory, crematory incinerator, Avon Park, Florida.

4.3 Sampling Trains

The particulate sampling train consisted of a Nutech Corporation 3 foot water cooled probe utilizing a heated quartz liner, a heated glass fiber and four impingers arranged as shown in Figure 2. Flexible tubing was used between the heated filter and the impingers. The first two impingers were each charged with 100 milliliters of water, the third served as a dry trap and the forth impinger was charged with indicating silica gel desiccant. The impingers were cooled in an ice water bath during sampling. A Nutech Corporation control console was used to monitor the gas flow rates and stack conditions during sampling.

The carbon monoxide sampling train consisted of a stainless steel probe, Teflon sample line, condenser, silica gel and ascarite tubes and a Thermo Environmental Instruments, Inc. Model 48 Gas Filter Correlation CO analyzer.

The oxygen sampling train consisted of a probe, sample line, tedlar bag in a rigid container, valve, vacuum pump, and flow meter.

4.4 Sample Collection

Prior to particulate sampling, the pitot tubes were checked for leaks and the manometers were zeroed. A pretest leak check of the particulate sampling train was conducted by sealing the nozzle and applying a 15" Hg vacuum. A leak rate of less than 0.02 cubic feet per minute was considered acceptable. Particulate sample was collected isokinetically for two and one half minutes at each of the points sampled.

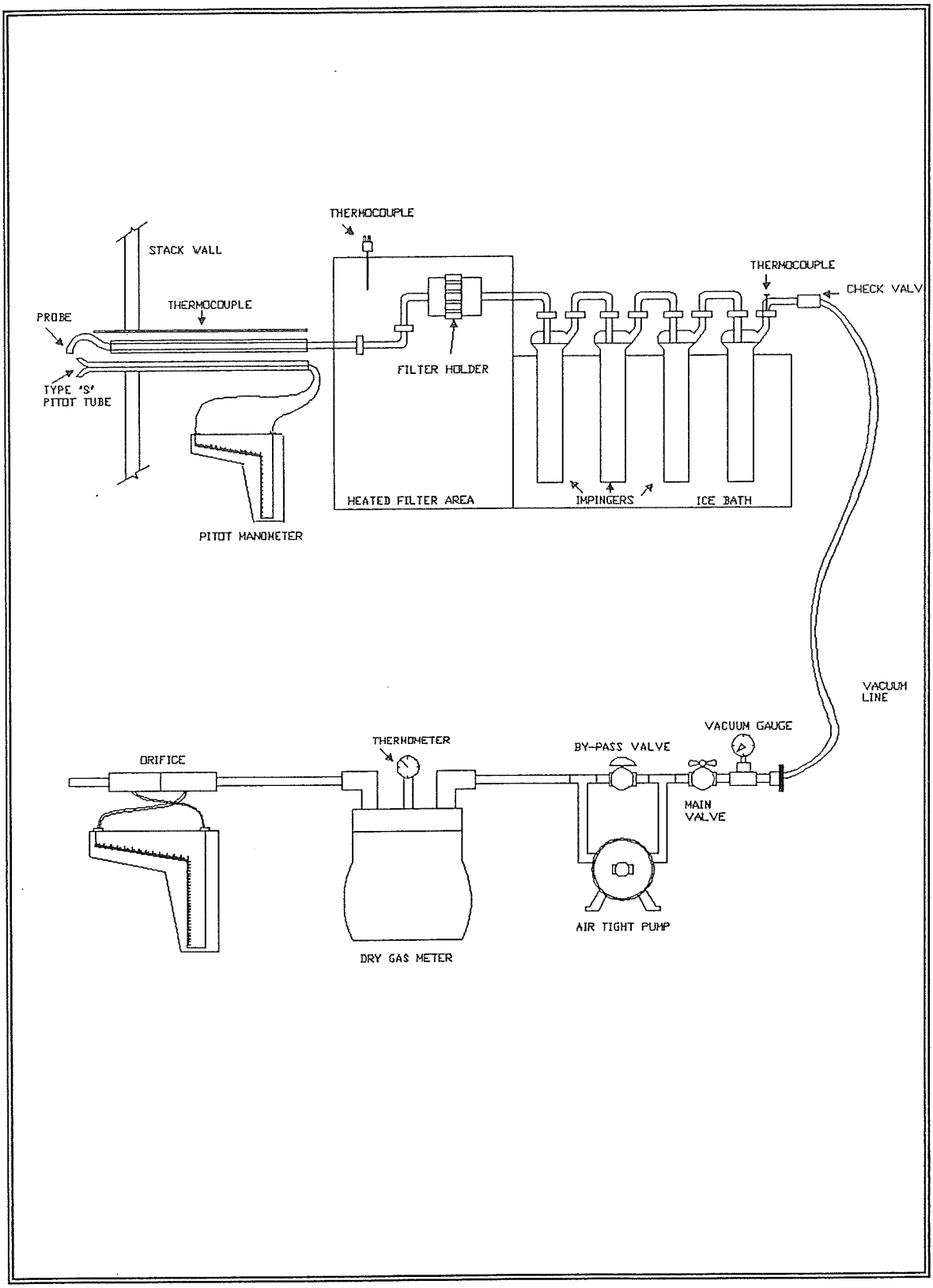


Figure 2. EPA Method 5 Sampling Train

The carbon monoxide analyzer was calibrated immediately before the beginning and after each run by introducing know gases into the instrument through the sampling train.

The tedlar bag used for obtaining an integrated oxygen sample was leak checked prior to the test pressurizing it to 2 to 4 in. H_2O and allowing it to stand overnight. A deflated bag indicated a leak. A one hour integrated sample was obtained at a rate 0.5 liters per minute for each run.

Carbon monoxide and oxygen sampling were conducted simultaneously with particulate sampling.

4.5 Sample Recovery

A post test leak check of the particulate sampling train was performed at the completion Of each run by sealing the nozzle and applying a vacuum equal to or greater than the maximum value reached during the sample period. A leak rate of less than 0.02 CFM or 4 percent of the average sampling rate (whichever was less) was considered acceptable. The nozzle and probe were brushed and rinsed with reagent grade acetone and the washings were placed in clean polyethylene containers and sealed. The glass fiber filter was removed from the holder with forceps and placed in a covered Petri dish for return to the laboratory. The front half of the filter holder was rinsed with acetone and the washings were added to the nozzle and probe wash.

The contents of the first three impingers were measured volumetrically and the silica gel in the forth impinger was weighed to the nearest 0.1 gram for determination of moisture content.

Two calculations of the moisture content of the stack gas were made for each run, one from the impinger analysis and one from the assumption of saturated conditions based upon the average stack gas temperature and a psychrometric chart as described in EPA Method 4, Determination of Moisture Content in Stack Gases, 40 CFR 60, Appendix A. The lower of the two values of moisture content was considered to be correct.

5.0 ANALYTICAL PROCEDURE

5.1 Prestest Preparation

The glass fiber filters for the particulate train were numbered, oven dried at 105° for three hours, desiccated and weighed to a constant weight in preparation for the test. Results were recorded to the nearest 0.1 milligram. Filters were loaded into holders and a filter was set aside as a control blank. The impingers were charged as described in section 4.3 and the contents of the fourth impinger were weighed to the nearest 0.1 gram.

5.2 Analysis

Upon return to the laboratory, the particulate filters were removed from the containers with forceps, dried at 105° for three hours, desiccated and weighed to a constant weight. Results were recorded to the nearest 0.1 milligram. The probe and nozzle washes and an acetone blank we measured volumetrically and transferred to clean. tared evaporating dishes and evaporated to dryness over low heat.

The evaporating dishes were then oven dried at 105° C for three hours, desiccated and weighed to a constant weight. Results were recorded to the nearest milligram. The total particulate reported is the sum of the filter weight gain of the evaporating dishes, corrected for the acetone blank.

APPENDIX

Project Participants

Certification

Visible Emissions Evaluation

Process Weight Statement

Laboratory Data

Field Data Sheets

Calibration Data

Calculations and Symbols

PROJECT PARTICIPANTS AND CERTIFICATION

FONTAINE PET CREMATORY
Pet Crematory
Avon, Florida

March 6, 2003

Project Participants:

Byron E. Nelson Kenneth M. Roberts Mark S. Gierke	Conducted the field testing.
James Fountain (Fountain Funeral Home)	Provided process rates
Kenneth M. Roberts	Performed visible emissions Evaluation.
Kenneth M. Roberts	Performed laboratory analyses.
Kenneth M. Roberts	Prepared the final test report.

Certification:

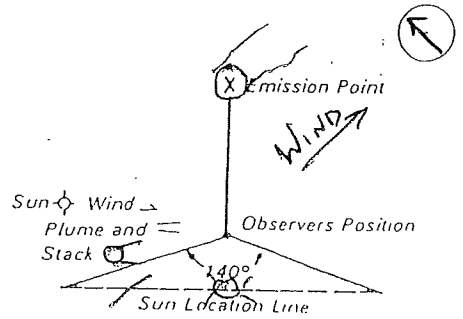
I certify that to my knowledge all data submitted in this report is true and correct.

Byron E. Nelson

Visible Emission Observation Form

SOURCE NAME: FONTAINE PET CREMATORY.
ADDRESS: 697 US HWY 27 N.
CITY: AVON PARK. STATE: FL ZIP: 33825
PHONE: SOURCE ID NUMBER: AC28-247729.
PROCESS EQUIPMENT: BLT-400 OPERATING MODE: NAT GAS
CONTROL EQUIPMENT: 1600°F AFTERBURNER OPERATING MODE:
DESCRIBE EMISSION POINT: START STACK STOP ✓
HEIGHT ABOVE GROUND LEVEL: START 18' STOP ✓ HEIGHT RELATIVE TO OBSERVER: START 18' STOP ✓
DISTANCE FROM OBSERVER: START 75' STOP ✓ DIRECTION FROM OBSERVER: START 80° STOP ✓
DESCRIBE EMISSIONS: START 0% STOP 0%
EMISSION COLOR: START NONE STOP NONE PLUME TYPE: CONTINUOUS ☐ FUGITIVE ☐ INTERMITTENT ☐ N/A
WATER DROPLETS PRESENT: NO ☒ YES ☐ IF WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED: START STACK EXIT STOP ✓
DESCRIBE BACKGROUND: START SKY STOP ✓
BACKGROUND COLOR: START BLUE STOP BLUE SKY CONDITIONS: START CLEAR STOP CLEAR
WIND SPEED: START 5-12 STOP 5-12 WIND DIRECTION: START W STOP W
AMBIENT TEMP: START 65°F STOP 66F WET BULB TEMP: RH,percent:

Source Layout Sketch — Draw North Arrow



OBSERVATION DATE: 3/6/03. START TIME: 14:38 STOP TIME: 15:38

SEC / MIN	0	15	30	45	SEC / MIN	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

AVERAGE OPACITY FOR HIGHEST PERIOD: 0% NUMBER OF READINGS ABOVE: 0 % WERE 0
RANGE OF OPACITY READINGS: 0% MINIMUM 0% MAXIMUM
OBSERVER'S NAME (PRINT): Jeff Anderson.
OBSERVER'S SIGNATURE: DATE: 3/6/03
ORGANIZATION: B&L Cremation Systems Inc.
CERTIFIED BY: FDEP through FTA. DATE: 3/24/03
VERIFIED BY: DATE:

COMMENTS

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS
SIGNATURE. TITLE DATE

PROCESS WEIGHT STATEMENT

DATE March 6, 2003 SAMPLING TIME: FROM 11:03 A.M. TO 7:23 P.M.

STATEMENT OF PROCESS WEIGHT

COMPANY:	FONTAINE PET CREMATORY
MAILING ADDRESS:	507 U.S. 27 NORTH
	Avon Park, Florida 33825
SOURCE IDENTIFICATION:	BLI 400 Model Crematory Incinerator
SOURCE LOCATION:	Same As Above

DATA ON OPERATION CYCLE TIME

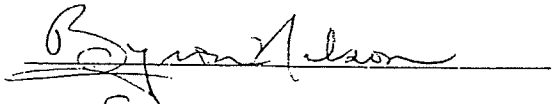
START OF OPERATION, TIME	Continuous	
END OF OPERATION, TIME		
ELAPSED TIME		
IDLE TIME DURING CYCLE		
DESIGN PROCESS RATING	PROCESS WEIGHT RATE (INPUT)	
	PRODUCT (OUTPUT)	

DATA ON ACTUAL PROCESS RATE DURING OPERATION CYCLE

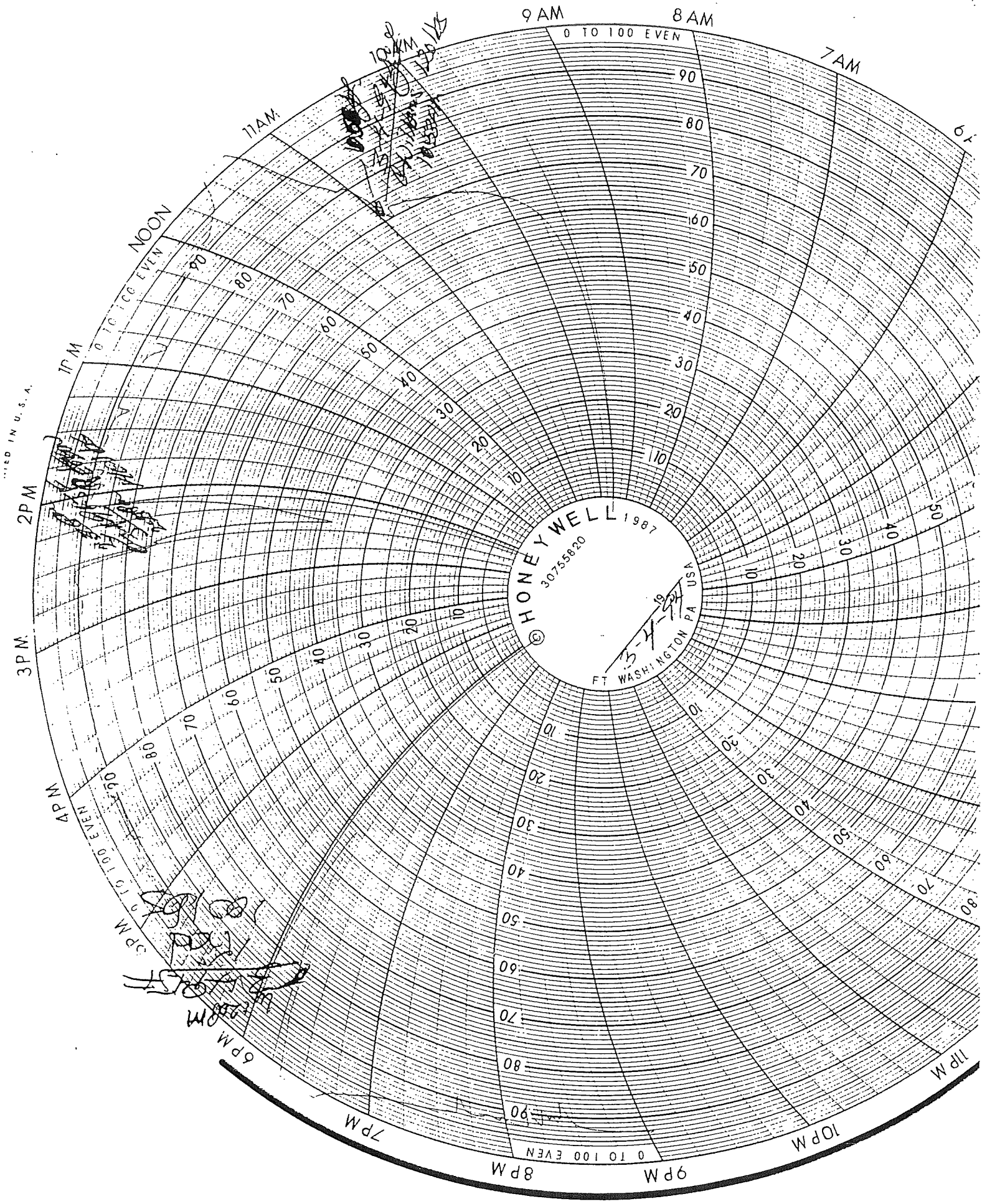
MATERIAL	Run 1 Animal Remains	RATE	120 lbs./ 2 hrs = 60 lbs./hr
MATERIAL	Run 2 Animal Remains	RATE	140 lbs./ 2 hrs = 70 lbs./hr
MATERIAL	Run 3 Animal Remains	RATE	100 lbs./ 2 hrs = 50 lbs./hr
	AVERAGE PROCESS WEIGHT	RATE	60 lbs./hr
PRODUCT		RATE	
PRODUCT		RATE	
PRODUCT		RATE	

I certify that the above statement is true to the best of my knowledge and belief.

Name (PLEASE PRINT) James Fountain

Signature 

Title


9 AM
8 AM
7 AM
11 AM
NOON
1 PM
2 PM
3 PM
4 PM
5 PM
6 PM
7 PM
8 PM
9 PM
10 PM
11 PM
0 TO 100 EVEN
HONEYWELL
1987
30755820
FT WASHINGTON PA USA
MADE IN U.S.A.

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

PARTICULATE MATTER COLLECTED

Plant Fontaine Pet Crematory
Unit No. Pet Crematory
Test Date March 6, 2003 Analyzed by:

Acetone blank container no.	11	Filter blank no.	2746
Acetone blank volume, ml.,(Va)	150	Filter blank tare weight, g.	0.3378
Acetone blank final weight, g.	104.9403	Filter blank final weight, g.	0.3378
Acetone blank tare weight, g.	104.9411	Filter weight diff., g.	0
Acetone blank weight diff.,g.,(ma)	0		

Run No.	1
Filter No.	2743
Liquid lost during transport, ml.	0
Acetone wash container no.	23
Acetone wash volume, ml. (Vaw)	125
Acetone wash residue, g. (Wa)	0.0000

Container Number	WEIGHT OF PARTICULATE COLLECTED		
	Final Weight	Tare Weight	Weight Gain
1 (Filter)	0.3732	0.3376	0.0356
2 (Wash)	104.2454	104.2292	0.0162
TOTAL			0.0518
Less acetone blank, g. (Wa)			0.0000
Weight of particulate matter, g.			0.0518

Run No.	2
Filter No.	2744
Liquid lost during transport, ml.	0
Acetone wash container no.	24
Acetone wash volume, ml. (Vaw)	150
Acetone wash residue, g. (Wa)	0.0000

Container Number	WEIGHT OF PARTICULATE COLLECTED		
	Final Weight	Tare Weight	Weight Gain
1 (Filter)	0.3421	0.3375	0.0046
2 (Wash)	101.964	101.9567	0.0073
TOTAL			0.0119
Less acetone blank, g. (Wa)			0.0000
Weight of particulate matter, g.			0.0119

Run No.	3
Filter No.	2747
Liquid lost during transport, ml.	0
Acetone wash container no.	55
Acetone wash volume, ml. (Vaw)	175
Acetone wash residue, g. (Wa)	0.0000

Container Number	WEIGHT OF PARTICULATE COLLECTED		
	Final Weight	Tare Weight	Weight Gain
1 (Filter)	0.3604	0.3374	0.023
2 (Wash)	103.4058	103.3737	0.0321
TOTAL			0.0551
Less acetone blank, g. (Wa)			0.0000
Weight of particulate matter, g.			0.0551

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

FIELD DATA SHEET

Company: Fontaine Pet Crematory
Source: Pet Crematory
Operator(s): _____

Run Number: 2
Date: 3/6/03
24 hr Time at Start: 1437
24 hr Time at End: 1540
Filter No(s).: 2744
Impinger Set No.: NA
Barometric Press. ("Hg): 30.10
Ambient Temperature (°F): 70

Dimensions Dia.☒: 12"
L x W□:
Stack Static Press. ("H_2O): -0.03
Meter Box No.: 004
Meter ΔH@: 1.875
Meter Correction Factor: 1.010
Pitot Cp: 0.84
Nozzle ID: Glass
Nozzle Dia. (inches): 0.603
Probe Length/Liner: 3'/Quartz

Assumptions:
% Moisture: 15
Stack Temp.: 1600
Meter Temp.: 75
K Factor: 1.006 2.898

Sample Train Leak Check:
Initial 0.010 CFM@ 15 "Hg
Final 0.000 CFM@ 5 "Hg
Initial Pitot Tube (-) ✓ (+) ✓
Final Pitot Tube (-) ✓ (+) ✓

Point No.	Sample Time (min.)	Meter Vol. Vm (ft^3)	Velocity Head, ΔP ("H_2O)	Orifice Diff., ΔH ("H_2O)	Stack Temp., Ts (°F)	Meter Temp., Tm (°F)	Hot Box Temp. (°F)	Exit Temp. (°F)	Pump Vacuum ("Hg)	Other
1	0	36,177	.05	1.62	1577	71	270	59	2.0	
2	2.5	37,90	.045	1.35	1570	71	270	54	2.0	
3	5.0	39,50	.045	1.30	1548	71	269	49	2.0	
4	7.5	41.09	.040	1.16	1538	71	269	51	2.0	
5	10.0	42.60	.040	1.16	1535	72	268	52	2.0	
6	12.5	44.10	.040	1.16	1532	72	268	52	2.0	
7	15.0	45.56	.040	1.16	1528	73	263	53	2.0	
8	17.5	47.01	.035	1.01	1526	73	258	53	2.0	
9	20.0	48,40	.035	1.01	1536	74	255	53	2.0	
10	22.5	49,83	.035	1.01	1513	75	252	53	2.0	
11	25.0	51,22	.020	.58	1570	75	245	53	2.0	
12	27.5	52,30	.020	.58	1500	75	243	54	2.0	
13	30.0	53.41	.045	1.30	1549	76	242	54	2.0	
14	32.5	54.90	045	1.30	1550	76	244	52	2.0	
15	35.0	56.42	.045	1.30	1556	77	250	51	2.0	
16	37.5	58.00	.045	1.30	1550	77	258	51	2.5	
17	40.0	59.52	.045	1.30	1552	78	264	52	2.5	
18	42.5	61,11	.040	1.16	1541	78	270	52	2.5	
19	45.0	62,67	.040	1.16	1528	79	272	53	2.5	
20	47.5	64.20	.035	1.01	1527	80	268	53	2.0	
21	50.0	65,55	.035	1.01	1522	80	260	53	2.0	
22	52.5	67,00	.035	1.01	1523	81	257	53	2.0	
23	55.0	68,37	.035	1.01	1513	81	254	54	2.0	
24	57.5	69,77	.030	.87	1511	82	247	54	2.0	

71,069

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

FIELD DATA SHEET

Company: Fontaine Pet Crematory
Source: Pet Crematory
Operator(s):

Run Number: 1
Date: 3/6/03
24 hr Time at Start: 11:03
24 hr Time at End: 12 05
Filter No(s).: 2743
Impinger Set No.: NA
Barometric Press. ("Hg): 30.05
Ambient Temperature (°F): 58

Dimensions Dia.: ☒
L x W: □ 12"
Stack Static Press. ("H_2O): -0.03
Meter Box No.: 004
Meter ΔH@: 1.875
Meter Correction Factor: 1.010
Pitot Cp: 0.84
Nozzle ID: Glass
Nozzle Dia. (inches): 0.603
Probe Length/Liner: 3'/Quartz

Assumptions:
% Moisture: 15 15 1800
Stack Temp.: 1350 1500 1750
Meter Temp.: 65 65
Md/Ms: 1.06 1.06
K Factor: 32.37 29.89 26.51 25.92

Sample Train Leak Check:
Initial: 0.014 CFM@ 15 "Hg
Final: 0.016 CFM@ 5 "Hg
Initial Pitot Tube (-): ✓ (+) ✓
Final Pitot Tube (-): ✓ (+) ✓

Point No.	Sample Time (min.)	Meter Vol. Vm (ft^3)	Velocity Head, ΔP ("H_2O)	Orifice Diff., ΔH ("H_2O)	Stack Temp., Ts (°F)	Meter Temp., Tm (°F)	Hot Box Temp. (°F)	Exit Temp. (°F)	Pump Vacuum ("Hg)	Other
1	0	2,046 1355	.050	1.61	1402	58	265	45	2.0	
2	2.5	3.70	.040	1.29	1466	58	266	42	2.0	
3	5.0	5.29	.050	1.61	1465	58	266	42	2.0	
4	7.5	6.92	.040	1.29	1505	59	264	41	2.0	
5	10.0	8.50	.045	1.35	1544	60	263	43	2.0	
6	12.5	10.05	.040	1.20	1612	62	270	45	2.0	
7	15.0	11.52	.040	1.20	1689	62	270	45	2.0	
8	17.5	13.04	.045	1.19	1780	63	271	50	2.0	
9	20.0	14.49	.040	1.06	1828	63	270	50	2.0	
10	22.5	15.80	.035	0.93	1848	65	270	49	2.0	
11	25.0	17.21	.030	.80	1795	65	271	47	2.0	
12	27.5	18.50	.020	.53	1772	66	270	46	2.0	
13	30.0	19.54	.040	1.06	1920	66	255	46	2.0	
14	32.5	20.91	.040	1.06	1925	66	250	45	2.0	
15	35.0	22.27	.040	1.20 1.06	1910	67	247	44	2.0	
16	37.5	23.70	.040	1.20	1912	67	249	44	2.0	
17	40.0	25.18	.040	1.20	1900	68	250	44	2.0	
18	42.5	26.68	.040	1.04	1889	69	253	44	2.0	
19	45.0	28.05	.040	1.04	1890	69	252	43	2.0	
20	47.5	29.43	.035	.91	1885	70	254	44	2.0	
21	50.0	30.76	.030	.78	1840	70	254	45	2.0	
22	52.5	31.98	.030	.78	1819	71	252	45	2.0	
23	55.0	33.19	.025	.65	1801	73	249	46	2.0	
24	57.5	34.33	.020	.52	1750	73	248	46	2.0	

35,338

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

FIELD DATA SHEET

Company: Fontaine Pet Crematory
Source: Pet Crematory
Operator(s):

Run Number: 3
Date: 3/6/03
24 hr Time at Start: 1820
24 hr Time at End: 1923
Filter No(s).: 2747
Impinger Set No.: NA
Barometric Press. ("Hg): 30.10
Ambient Temperature (°F): 70

Dimensions Dia.: 12"
L x W:
Stack Static Press. ("H_2O): 0.00
Meter Box No.: 004
Meter ΔH@: 1.875
Meter Correction Factor: 1.01
Pitot Cp: 0.84
Nozzle ID: 6/1655
Nozzle Dia. (inches): 0.603
Probe Length/Liner: 3'/Quartz

Assumptions:
% Moisture: 12 / 12
Stack Temp.: 1550 / 1650
Meter Temp.: 75 / 75
Md/Ms: 1.05 / 1.05
K Factor: 31.54 / 30.05

Sample Train Leak Check:
Initial: 0.040 CFM@ 15 "Hg
Final: 0.00 CFM@ 10 "Hg
Initial Pitot Tube (-): ✓ (+) ✓
Final Pitot Tube (-): ✓ (+) ✓

Point No.	Sample Time (min.)	Meter Vol. Vm (ft^3)	Velocity Head,ΔP ("H_2O)	Orifice Diff., ΔH ("H_2O)	Stack Temp., Ts (°F)	Meter Temp., Tm (°F)	Hot Box Temp. (°F)	Exit Temp. (°F)	Pump Vacuum ("Hg)	Other
1	0	71.935	.045	1.42	1885	73	230	57	2.0	
2	2.5	73.55	.045	1.42	1717	73	231	57	2.0	
3	5.0	75.15	.045	1.42	1700	73	233	52	2.0	
4	7.5	76.64	.045	1.42	1686	74	234	49	2.0	
5	10.0	78.13	.045	1.42	1682	74	235	50	2.0	
6	12.5	79.87	.045	1.42	1668	75	250	53	2.0	
7	15.0	81.50	.040	1.20	1664	75	264	55	1.5	
8	17.5	83.03	.035	1.05	1653	75	262	55	1.5	
9	20.0	84.48	.040	1.20	1642	75	258	55	1.5	
10	22.5	86.00	.030	.90	1624	76	258	57	1.5	
11	25.0	87.30	.030	.90	1600	77	254	57	1.5	
12	27.5	88.60	.025	.75	1596	77	253	57	1.5	
13	30.0	89.84	.040	1.20	1601	77	248	56	2.0	
14	32.5	91.25	.045	1.42	1602	77	246	56	2.0	
15	35.0	92.89	.045	1.42	1597	77	247	55	2.0	
16	37.5	94.52	.045	1.42	1595	78	256	55	2.0	
17	40.0	96.25	.040	1.20	1593	78	260	56	2.0	
18	42.5	97.73	.040	1.20	1592	77	264	57	2.0	
19	45.0	99.22	.030	.90	1584	78	267	56	2.0	
20	47.5	100.57	.025	.79	1578	78	268	57	2.0	
21	50.0	101.81	.025	.79	1571	78	265	57	2.0	
22	52.5	103.06	.020	.63	1558	79	263	57	2.0	
23	55.0	104.18	.020	.63	1533	79	256	56	2.0	
24	57.5	105.30	.020	.63	1540	79	253	56	2.0	
	60.0	106.388								

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

MOISTURE COLLECTED

Plant: Fontaine Pet Crematory

Unit No. Pet Crematory
Test Date March 6, 2003
Run No. 1

Impinger Number	1	2	3	4	Weighed by:
Final Weight (grams):	185.0	102.0	0	251.7	BEN
Initial Weight (grams):	100.0	100.0	0	243.2	BEN
Difference (grams):	85.0	2.0	0	8.5	
Total Condensate (grams):				95.5	

Unit No. Pet Crematory
Test Date March 6, 2003
Run No. 2

Impinger Number	1	2	3	4	Weighed by:
Final Weight (grams):	184.0	103.0	0	246.5	KR
Initial Weight (grams):	100.0	100.0	0	242.10	KR
Difference (grams):	84.0	3.0	0	4.4	
Total Condensate (grams):				91.4	

Unit No. Pet Crematory
Test Date March 6, 2003
Run No. 3

Impinger Number	1	2	3	4	Weighed by:
Final Weight (grams):	165.0	104.0	0	268.0	KR
Initial Weight (grams):	100.0	100.0	0	260.5	KR
Difference (grams):	65.0	4.0	0	7.5	
Total Condensate (grams):				76.5	

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

GAS ANALYSIS DATA FORM

Plant Fontaine Pet Crematory	
Unit Cremation Incinerator	Test No. 3
Date 3/6/03	Sampling Location Stack
Sampling Time (24-hr Clock) 1820 - 1923	
Sample Type: Continuous ☐ Integrated Bag ☒ Grab ☐	
Analytical Method ORSAT	Ambient Temperature 68°F
Operator K. Roberts	

RUN →	1		2		3		Average Net Volume	Multiplier	Molecular Weight of Stack Gas (Dry Basis) (Md)
GAS ↓	Actual Reading	Net	Actual Reading	Net	Actual Reading	Net			
CO_2	5.9	5.9	5.8	5.8	5.9	5.9	5.9	.44	2.596
O_2 (NET IS ACTUAL O_2 READING MINUS ACTUAL CO_2 READING)	17.0	11.1	16.8	11.0	17.0	11.1	11.1	.32	3.552
CO (NET IS ACTUAL CO READING MINUS ACTUAL O_2 READING)							83	.28	23.24
N_2 (NET IS 100 MINUS ACTUAL CO READING)								.28	
								TOTAL	29.388

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

GAS ANALYSIS DATA FORM

Plant Fontana Pet Crematory	
Unit Crematory Incineration	Test No. 2
Date 3/6/03	Sampling Location Stack
Sampling Time (24-hr Clock) 1438 - 1538	
Sample Type: Continuous ☐ Integrated Bag ☒ Grab ☐	
Analytical Method ORSAT	Ambient Temperature 65°
Operator K. Roberts	

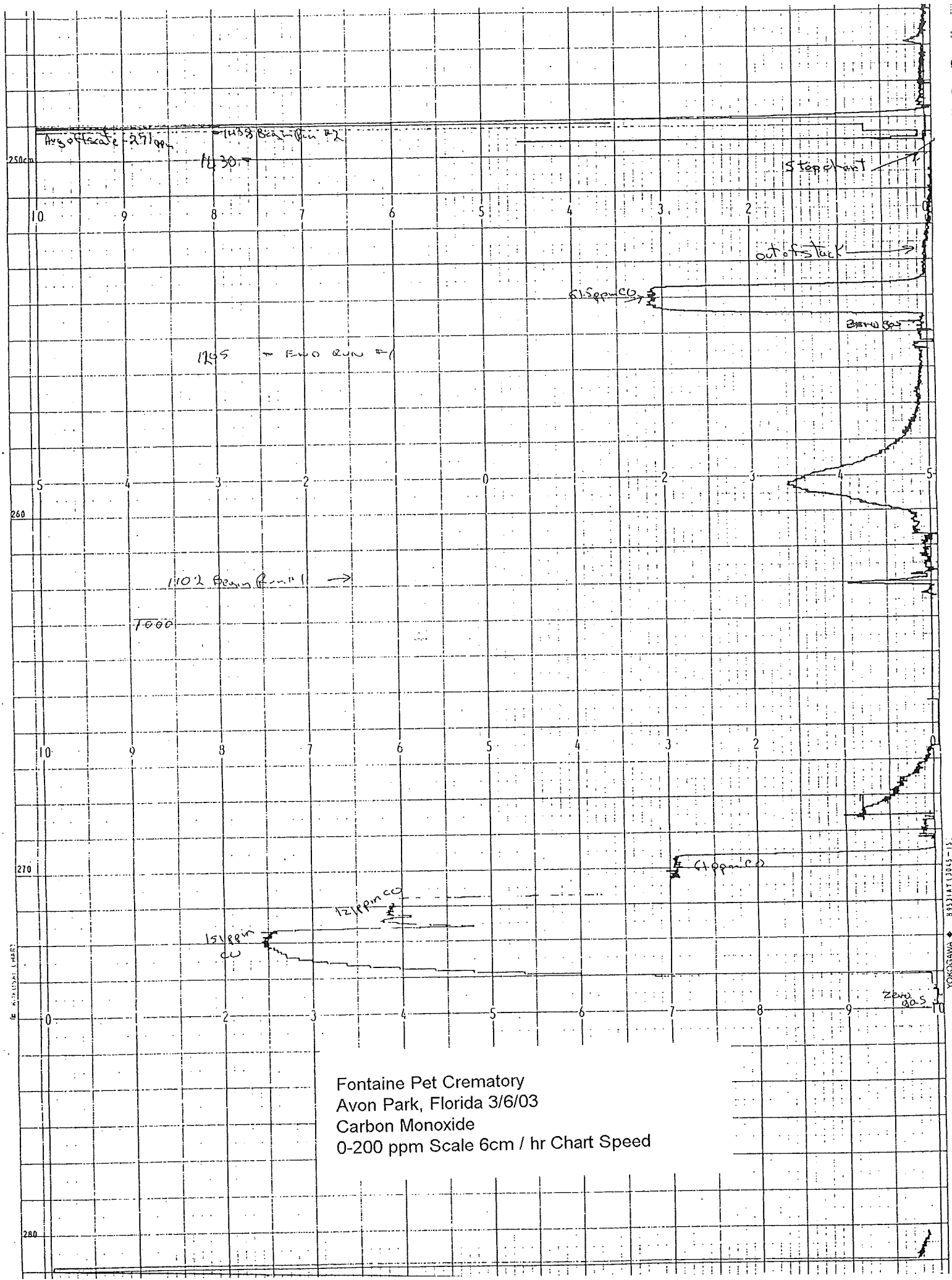
RUN →	1		2		3		Average Net Volume	Multiplier	Molecular Weight of Stack Gas (Dry Basis) (Md)
GAS ↓	Actual Reading	Net	Actual Reading	Net	Actual Reading	Net			
CO_2	5.4	5.4	5.4	5.4	5.4	5.4	5.4	.44	2.376
O_2 (NET IS ACTUAL O_2 READING MINUS ACTUAL CO_2 READING)	16.3	10.9	16.3	10.9	16.3	10.9	10.9	.32	3.488
CO (NET IS ACTUAL CO READING MINUS ACTUAL O_2 READING)							83.7	.28	23.436
N_2 (NET IS 100 MINUS ACTUAL CO READING)								.28	
								TOTAL	29.30

SOUTHERN ENVIRONMENTAL SCIENCES, INC.

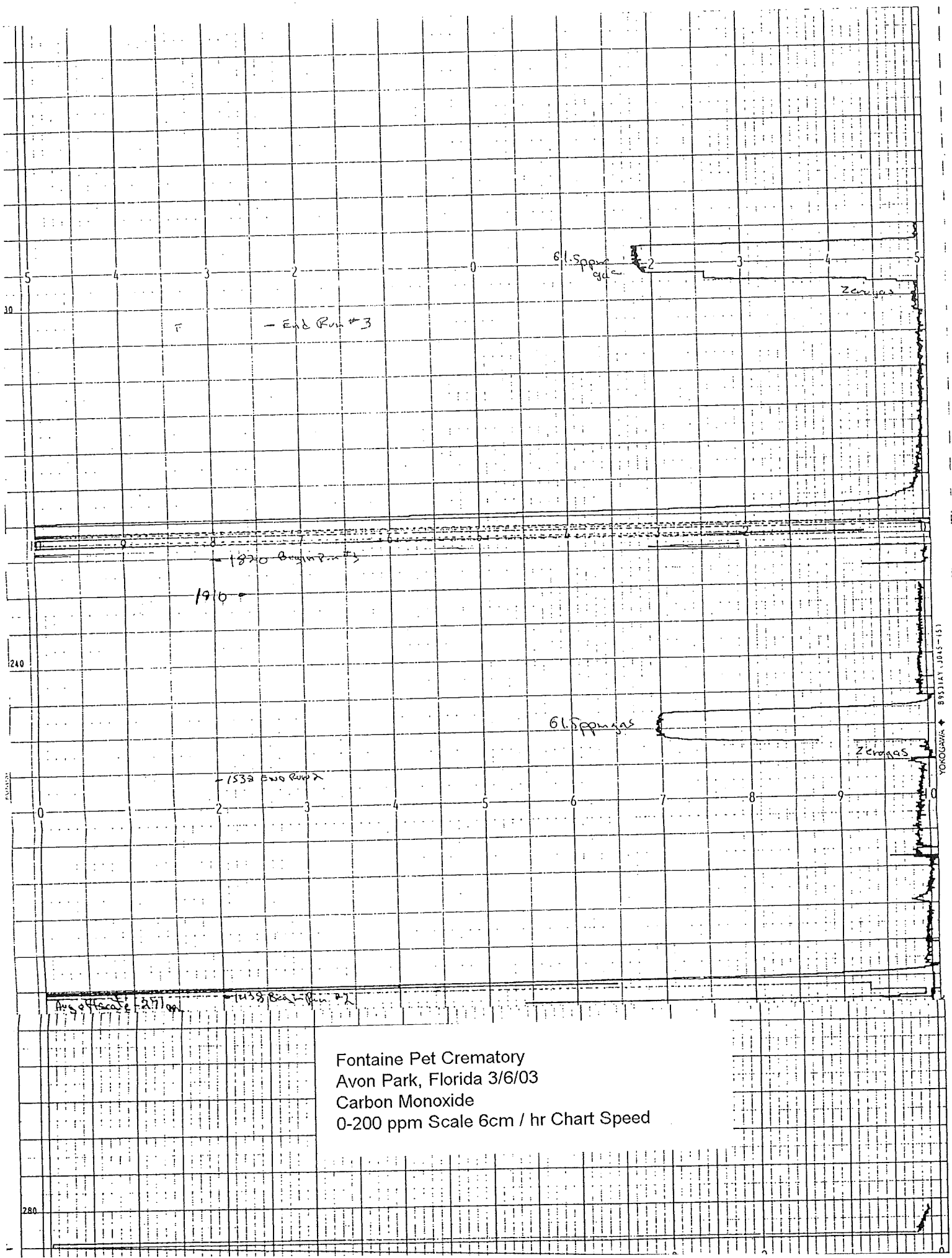
GAS ANALYSIS DATA FORM

Plant Fontaine Pet Cemetery	
Unit Crematory Incinerator	Test No. 1
Date 3/6/03	Sampling Location Stack
Sampling Time (24-hr Clock) 1102 - 1202	
Sample Type: Continuous ☐ Integrated Bag ☒	Grab ☐
Analytical Method ORSAT	Ambient Temperature 65°
Operator K Roberts	

RUN →	1		2		3		Average Net Volume	Multiplier	Molecular Weight of Stack Gas (Dry Basis) (Md)
GAS ↓	Actual Reading	Net	Actual Reading	Net	Actual Reading	Net			
CO_2	4.3	4.3	4.4	4.4	4.4	4.4	4.4	.44	1.936
O_2 (NET IS ACTUAL O_2 READING MINUS ACTUAL CO_2 READING)	15.1	10.8	15.5	11.1	15.3	10.9	10.9	.32	3.488
CO (NET IS ACTUAL CO READING MINUS ACTUAL O_2 READING)							84.7	.28	23.716
N_2 (NET IS 100 MINUS ACTUAL CO READING)								.28	
								TOTAL	29.14



Fontaine Pet Crematory
Avon Park, Florida 3/6/03
Carbon Monoxide
0-200 ppm Scale 6cm / hr Chart Speed



Fontaine Pet Crematory
Avon Park, Florida 3/6/03
Carbon Monoxide
0-200 ppm Scale 6cm / hr Chart Speed

3/6/03

POSTTEST DRY GAS METER CALIBRATION FORM

Meter Box Number: 004 Dry Gas Meter #:656687
Date: 3/6/03 Pretest Y: 1.010
Barometric Pressure, Pb: 29.97

Orifice Manometer setting (Delta H) in. H2O	Gas volume: Wet Test Meter (Vw) ft.^3 10.xxxx	Gas volume: Dry Gas Meter (Vd) ft.^3	Temperature: Wet Test Meter (Tw) Deg F	Temperature: Dry Gas Meter: Inlet (Tdi) Deg F	Temperature: Dry Gas Meter: Outlet (Tdo) Deg F	Temperature: Dry Gas Meter: Average (Td) Deg F	Time (Theta) min	Vacuum Setting in. Hg	Yi
1.50	10.000	10.005	77.00			78.25	14.80	7.00	0.998
1.50	10.000	10.020	76.25			80.00	14.90	7.00	1.001
1.50	10.000	10.030	76.50			81.00	14.90	7.00	1.002

Y = 1.000
Diff = 0.010

$$Yi = \frac{Vw\ Pb\ (td + 460)}{Vd\ (Pb + Delta\ H/13.6)\ (Tw + 460)}$$

Where:

Vw = Gas Volume passing through the wet test meter, ft.^3.
Vd = Gas volume passing through the dry gas meter, ft^3.
Tw = Temperature of the gas in the wet test meter, deg F.
Tdi = Temperature of the inlet gas of the dry gas meter, Deg F.
Tdo = Temperature of the outlet gas of the dry gas meter, Deg F.
Td = Average temperature of the gas in the dry gas meter, Deg F.
Delta H = Pressure differential across orifice, in. H2O.
Yi = Ratio of accuracy of wet test meter to dry gas meter for each run.
Y = Average ratio of accuracy of wet test meter to dry gas meter for all three runs; tolerance = pretest Y +/- 0.05Y.
Pb = Barometric pressure, in. Hg.
Theta = Time of calibration run, min.

POSTTEST DRY GAS METER THERMOMETER CALIBRATIONS

Ref.	Wet Test Meter		Dry Gas Meter	
	Inlet	Outlet	Inlet	Outlet
Deg F	Deg F	Deg F	Deg F	Deg F
72.0	73.0	71.0	71.0	72.0
diff.	1.0	-1.0	-1.0	0.0

7/7/02

SOUTHERN ENVIRONMENTAL SCIENCES, INC.
DRY GAS METER CALIBRATION FORM

Meter Box Number: 004 STD TEST METER #:656687
Date: 7/7/02
Barometric Pressure, Pb: 30.13

Orifice Manometer setting (Delta H) in. H20	Gas volume: Std Test Meter (Vw) ft.^3	Gas volume: Dry Gas Meter (Vd) ft.^3	Temperature: Std Test Meter (Tw) Deg F	Temperature: Dry Gas Meter (Td) Deg F	Time (Theta) min	Yi	Delta H@i in. H20
0.50	5.002	4.972	85.5	80.5	12.75	0.996	1.882
1.00	5.000	4.968	86.5	83.8	9.10	0.999	1.914
1.50	10.690	10.767	88.0	99.0	16.00	1.009	1.899
2.00	10.000	10.063	87.0	96.5	13.00	1.006	1.912
3.00	10.200	10.252	85.5	96.0	10.70	1.007	1.859
4.00	14.000	13.547	84.0	96.0	12.50	1.046	1.786
					AVG	1.010	1.875
					MAX DIFF		0.128

$$Yi = \frac{Vw\ Pb\ (td + 460)}{Vd\ (Pb + Delta\ H/13.6)\ (Tw + 460)}$$

$$Delta\ H@ = \frac{.0317\ (Delta\ H)}{Pb\ (td+460)} [(tw+460)\ (theta) / Vw]^2$$

where: Vw= Gas Volume passing through the std test meter, ft.^3.

Vd = Gas Volume passing through the dry gas meter, ft^3

Tw = Temperature of the gas in the std test meter, deg. F.

Td = Average temperature of the gas in the dry gas meter, Deg F.

Delta H = Pressure differential across orifice, in. H20.

Yi = Ratio of accuracy of std test meter to dry gas meter for each run.

Y = Average ratio of accuracy of std test meter to dry gas meter.

Pb = Barometric pressure, in. Hg.

Theta = Time of calibration run, min.

Southern Environmental Sciences, Inc.

TYPE S PITOT TUBE INSPECTION DATA FORM

Pitot tube ID number OWC
Inspection Date 7/27/02
Inspected by B. Nelson / M. Gibbs

Pitot tube assembly level? ✓ yes _____ no

Pitot tube openings damaged? _____ yes (explain below) ✓ no

$\alpha 1$ = 1 ° (<10°), $\alpha 2$ = 1 ° (<10°), $\beta 1$ = 1 ° (<5°),

$\beta 2$ = 1 ° (<5°)

γ = 1 °, θ = 0 °, A = 0.602 ~~cm~~ (in.)

z = A sinγ = .018 ~~cm~~ (in.); ~~0.32 cm~~ (<1/8 in.),

w = A sin θ = 0 ~~cm~~ (in.); ~~<.08 cm~~ (<1/32 in.)

P_A ~~.301 cm~~ (in.) P_b ~~.301~~ ~~cm~~ (in.)

D_t = 0.253 cm (in.)

Comments: New pitot tube

Calibration required? _____ yes ✓ no

Southern Environmental Sciences, Inc.
1204 North Wheeler Street ☐ Plant City, Florida 33566-2354 ☐ (813) 752-5014

NOMENCLATURE USED IN STACK SAMPLING CALCULATIONS

A_n = Cross-sectional area of nozzle, ft^2

A_s = Cross-sectional area of stack, ft^2

B_{ws} = Water vapor in gas stream, proportion by volume

C_p = Pitot coefficient

C_s = Pollutant concentration, gr/DSCF

F_d = Ratio of gas generated to heat value of fuel, DSCF/mm BTU

ΔH = Average pressure differential across orifice, in. H_2O

%I = Isokinetic variation, %

M_d = Molecular weight of dry gas

M_n = Total amount of pollutant collected, mg

M_s = Molecular weight of stack gas

N = Normality of barium perchlorate titrant

$\sqrt{\Delta P_{avg}}$ = Average of the square roots of the velocity heads

P_{bar} = Barometric pressure at the sampling site, in. Hg

P_g = Stack gas static pressure, in. H_2O

P_m = Absolute pressure at the dry gas meter, in. Hg

P_s = Absolute stack pressure, in. Hg

PMR = Pollutant mass rate, lb/hr

P_{std} = Standard absolute pressure, 29.92 in. Hg

θ = Total sampling time, minutes

Southern Environmental Sciences, Inc.
1204 North Wheeler Street ☐ Plant City, Florida 33566-2354 ☐ (813) 752-5014

NOMENCLATURE USED IN STACK SAMPLING CALCULATIONS
(Continued)

Q = Stack gas flowrate, ACFM

Q_{std} = Stack gas flowrate, DSCFM

T_m = Absolute average meter temperature, °R

T_s = Absolute average stack gas temperature, °R

T_{std} = Standard absolute temperature, 528 °R

V_a = Volume of sample aliquot titrated, ml

V_{lc} = Liquid collected in impingers and silica gel, grams

V_m = Sample volume at meter conditions, DCF

$V_{m(std)}$ = Sample volume at standard conditions, DSCF

V_s = Stack gas velocity, ft/sec

V_{soln} = Total volume of solution, ml

V_t = Volume of barium perchlorate titrant used for the sample, ml

V_{tb} = Volume of barium perchlorate titrant used for the blank, ml

$V_{w(std)}$ = Volume of water vapor in sample corrected to standard conditions, SCF

Y = Dry gas meter calibration factor

13.6 = Specific gravity of mercury

Texas Commission on Environmental Quality

Standard Permit New Registration

Site Information (Regulated Entity)

What is the name of the site to be authorized?	KUHLMAN MORTUARY & CREMATORY
Does the site have a physical address?	Yes
Physical Address	
Number and Street	7849 PLAINVIEW RD
City	KRUM
State	TX
ZIP	76249
County	DENTON
Latitude (N) (##.######)	33.260936
Longitude (W) (-###.######)	-97.261919
Primary SIC Code	7261
Secondary SIC Code	
Primary NAICS Code	812210
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN112074257
What is the name of the Regulated Entity (RE)?	KUHLMAN MORTUARY & CREMATORY
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	7849 PLAINVIEW RD
City	KRUM
State	TX
ZIP	76249
County	DENTON
Latitude (N) (##.######)	33.260936
Longitude (W) (-###.######)	-97.261919
Facility NAICS Code	812210
What is the primary business of this entity?	

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN606320257
Type of Customer	Individual
Prefix	
Suffix	
Full legal name of the applicant:	
Legal Name	Christopher Scott Kuhlman
Texas SOS Filing Number	
Federal Tax ID	
State Franchise Tax ID	

State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	
Independently Owned and Operated?	No
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	
Prefix	
First	CHRISTOPHER
Middle	SCOTT
Last	KUHLMAN
Suffix	
Credentials	
Title	Owner / Operator
Responsible Authority Mailing Address	
Enter new address or copy one from list:	RE Physical Address
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	7849 PLAINVIEW RD
Routing (such as Mail Code, Dept., or Attn:)	
City	KRUM
State	TX
ZIP	76249
Phone (###-###-####)	9405773460
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Chris@kuhlmanmortuary.com

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	CN606320257, Christopher Scott Kuhlman
Organization Name	Kuhlman Mortuary & Crematory
Prefix	MR
First	CHRISTOPHER
Middle	SCOTT
Last	KUHLMAN
Suffix	
Credentials	
Title	Owner / Operator
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	7849 PLAINVIEW RD
Routing (such as Mail Code, Dept., or Attn:)	
City	KRUM

State	TX
ZIP	76249
Phone (###-###-####)	9405773460
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Chris@kuhlmanmortuary.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	CN606320257, Christopher Scott Kuhlman
Organization Name	Kuhlman Mortuary & Crematory
Prefix	MR
First	CHRISTOPHER
Middle	SCOTT
Last	KUHLMAN
Suffix	
Credentials	
Title	Owner / Operator
Enter new address or copy one from list:	CN606320257, Christopher Scott Kuhlman

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	7849 PLAINVIEW RD
Routing (such as Mail Code, Dept., or Attn:)	
City	KRUM
State	TX
ZIP	76249
Phone (###-###-####)	9405773460
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Chris@kuhlmanmortuary.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	BLI400 STACK.pdf
Hash	2520B4151A92BB01E0BA123E49CEC56E99545FF31FCFEBA7BA0659CAD0C46B83
MIME-Type	application/pdf
Confidential	No

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

[File Properties]

File Name	BLI400 PTE.pdf
Hash	381963CCC76C63BDA6B82B1D96F9F433E619A504807D38B66ED3BFBFCF7CB328
MIME-Type	application/pdf
Confidential	No

Expedite

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

Certification

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

1. I am Christopher S Kuhlman, the owner of the STEERS account ER108797.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Standard Permit New Registration.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER OPERATOR Signature: Christopher S Kuhlman OWNER OPERATOR

Customer Number:	CN606320257
Legal Name:	Christopher Scott Kuhlman
Account Number:	ER108797
Signature IP Address:	132.147.158.169
Signature Date:	2026-07-23
Signature Hash:	3081296B0420042BF5BB8D5CC568C571C25872C427AF9FB2C977664B8C20736E
Form Hash Code at time of Signature:	44CD8CE45939F70EDA677B92FB38682FFA3633DDDF542A00CAB8A0472FA6BFC2

Fee Payment

Transaction by:	The application fee payment transaction was made by ER108797/Christopher S Kuhlman
Paid by:	The application fee was paid by CHRIS KUHLMAN
Fee Amount:	$900.00
Paid Date:	The application fee was paid on 2026-07-23
Transaction/Voucher number:	The transaction number is 582EA000745537 and the voucher number is 841285

Submission

Reference Number:	The application reference number is 942596
Submitted by:	The application was submitted by ER108797/Christopher S Kuhlman
Submitted Timestamp:	The application was submitted on 2026-07-23 at 14:36:38 CDT
Submitted From:	The application was submitted from IP address 132.147.158.169
Confirmation Number:	The confirmation number is 785089
Steers Version:	The STEERS version is 6.94

Additional Information

Application Creator: This account was created by Steven Looker

Calculation of Emissions
Potential to Emit

B&L Cremation Systems, Inc.

Total Incinerator Burn Capacity 75 lbs/hr our of remains (type 4) and associated containers (type 0)

Flue Gas Flow Rate = 626 dscfm (100% Excess Air) 12 Hours/Day X 7 Days/W X 52 Weeks/Year = 4368 Hours/Year

Total Emission Rate = Incinerator Burn Rate X Emission Factor

Sulfer Dioxide (SO_2)

75	lb/hr	X	2.17	lb/ton	X	1 ton / 2000 lbs			=	0.081	lbs/hr
									=	0.18	TPY
0.08	lb/hr	X	454000	mg/lb	X	1 ppmv			=	13.32	ppmv
626	dscfm	X	60	min/hr	X	0.028 m^3/r^3	X	2.61 mg/m^3			

Nitrogen Oxide (NOx - as Nitrogen Dioxide)

75	lb/hr	X	3.56	lb/ton	X	1 ton / 2000 lbs			=	0.13	lbs/hr
									=	0.292	TPY
0.13	lb/hr	X	454000	mg/lb	X	1 ppmv			=	30.65	ppmv
626	dscfm	X	60	min/hr	0.028	m^3/r^3	X	1.88 mg/m^3			

Hydrocarbons (TOC/VOC - methane)

75	lb/hr	X	0.299	lb/ton	X	1 ton / 2000 lbs			=	0.01	lbs/hr
									=	0.024	TPY
0.01	lb/hr	X	454000	mg/lb	X	1 ppmv			=	7.37	ppmv
626	dscfm	X	60	min/hr	0.028	m^3/r^3	X	0.65 mg/m^3			

Lead (Pb) (0.0002 % of body weight)

75	lb/hr	X	0.0002	lb/ton					=	0.0002	lbs/hr
			100	lbs					=	0.0003	TPY

Particulates (PM & PM_{10})

75	lb/hr	X	4.67	lb/ton	X	1 ton / 2000 lbs			=	0.18	lbs/hr
									=	0.382	TPY
0.18	lb/hr	X	7000	mg/lb					=	0.03	gr/dscf
626	dscfm	X	60	min/hr							

Carbon Monoxide (CO)

75	lb/hr	X	2.95	lb/ton	X	1 ton / 2000 lbs			=	0.11063	lbs/hr
									=	0.24	TPY
0.11	lb/hr	X	454000	mg/lb	X	1 ppmv			=	41.89	ppmv
626	dscfm	X	60	min/hr	0.028	m^3/r^3	X	1.14 mg/m^3			

Notes:

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