Brooke T. Paup, *Chairwoman* Bobby Janecka, *Commissioner* Catarina R. Gonzales, *Commissioner* Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 1, 2025

MR JUSTIN VALINSKI CFO WELLNESS ON WHEELZ A MOBILE VETERINARY CLINIC PLLC 900 N WARE RD MCALLEN TX 78501-3517

Re: Declaration of Administrative Completeness Animal Carcass Incinerator Registration for an Air Quality Standard Permit Air Quality Registration Number: 179969 Animal Carcass Incinerator Mc Allen, Hidalgo County Customer Reference Number: CN605971753 Regulated Entity Number: RN111402095

Dear Mr. Valinski:

The Texas Commission on Environmental Quality (TCEQ) has declared the above-referenced application, received on April 25, 2025, administratively complete on May 1, 2025.

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 May 25, 2025. 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 May 25, 2025 (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:

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • tceq.texas.gov

Mr. Justin Valinski Page 2 May 1, 2025

Re: Registration: 179969

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

- 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.
- 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,

lancy Bing Sous

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

Enclosure

cc: Air Section Manager, Region 15 - Harlingen

Project Number: 392296

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED AIR QUALITY REGISTRATION NUMBER 179969

APPLICATION. Wellness On Wheelz A Mobile Veterinary Clinic Pllc, 900 North Ware Road, McAllen, Texas 78501-3517 has applied to the Texas Commission on Environmental Quality (TCEQ) for an Air Quality Standard Permit, Registration Number 179969, which would authorize construction of an animal carcass incinerator. The facility is proposed to be located at 901 North Ware Road, McAllen, across the street from their current location, McAllen, Hidalgo County, Texas 78501. 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. <u>https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.259825,26.215989&level=13</u>. This application was submitted to the TCEQ on April 25, 2025. 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 April 29, 2025.

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 Harlingen Regional Office, located at 1804 West Jefferson Avenue, Harlingen, Texas 78550-5247, 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. If you need more information about this permit application or the permitting process, please call the Public Education Program toll free at 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Wellness On Wheelz A Mobile Veterinary Clinic Pllc, 900 North Ware Road, McAllen, Texas 78501-3517, or by calling Mr. Luis Llorens, President Project Manager at (407) 923-3945.

Notice Issuance Date: May 1, 2025

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 May 25, 2025 (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 <u>PROOFS@tceq.texas.gov</u> 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	Applicant Name: <u>Wellness On Wheelz: A Mobile Veterinary</u> <u>Clinic PLLC</u>
MC-105 Attn: Notice Team	Permit No.: 179969
P.O. Box 13087	Application Received Date: April 25, 2025
Austin, Texas 78711-3087	

AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §				
COUNTY OF		é	§	
BEFORE ME , the undersigned authority, on this	day personally ap	opeared		
of Person Representing Newspaper)	, who being by m	e duly sworn,	deposes and says that (s)he i	s (Name
the(Title of Person Representing Newspaper)		of the	(Name of the Newspaper)	
that said newspaper is generally circulated in (The municipality or nearest municipality to the loca that the enclosed notice was published in said news	<i>tion of the facility</i>	or the proposition or the proposition of the propos	ed facility)	_, Texas;
		(Newspaper	Representative's Signature)	
Subscribed and sworn to before me this the to certify which witness my hand and seal of office.	day of _		, 20	
[Affix Seal]		Notary Public	in and for the State of Texas	
		Print or Type	Name of Notary Public	
		My Commiss	on Expires	

TCEQ-Office of the Chief Clerk	Applicant Name: Wellness On Wheelz: A Mobile Veterinary
	Clinic PLLC
MC-105 Attn: Notice Team	Permit No.: 179969
P.O. Box 13087	Application Received Date: <u>April 25, 2025</u>
Austin, Texas 78711-3087	
ALTERNATIVE LANGUAGE AFFIDA	VIT OF PUBLICATION FOR AIR PERMITTING
STATE OF TEXAS §	
COUNTY OF	§
BEFORE ME, the undersigned authority, on this day of Person Representing Newspaper)	y personally appeared ho being by me duly sworn, deposes and says that (s)he is (<i>Name</i> of the
(Title of Person Representing Newspaper)	(Name of the Newspaper)
that said newspaper is generally circulated in (The municipality or county in which the facility or pr	, Texas; oposed facility is located)
that the enclosed notice was published in said newspa	per on the following date(s):
	(Newspaper Representative's Signature)
Subscribe and sworn to before me this the	day of20
to certify which witness my hand and seal of office	, 20, 20

Notary Public in and for the State of Texas

Print or Type Name of Notary Public

My Commission Expires

[Affix Seal]

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 <u>PROOFS@tceq.texas.gov</u> or mailed to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087.

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

Email copies to Ms. Trishia McDonald at Trishia.McDonald@tceq.texas.gov

Hard copies should be sent to the following:

Texas Commission on Environmental Quality Harlingen Regional Office 1804 West Jefferson Avenue Harlingen, Texas 78550-5247

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:					
Facility/ Site name:		Animal Carcass Incinerator			
TCEQ permit number:					
Application received date:		April 25, 2025			
		·			
Customer reference number:					
Regulated entity number:					
Country Hidolas	Decien	15			
	Region				
Local program 1:	Local p	rogram 2:			
Permit type: Standard Permit Application					
Internal program routing					
Tech. team leader: Ms. Trishia McDonald		Phone no. (512) 239-2250			
APIRT team leader: Nancy Birdsong		Date: May 1, 2025			
Administratively reviewed by: Steve Piper		Phone no. (512) 239-1589			
Administratively complete date: May 1, 2025					
Public viewing location must have internet access: Ves X 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: Justin Valinski, Cfo					
Company: Wellness On Wheelz A Mobile Veterinary	y Clinic Pllc				
Street/Road: 900 N Ware Rd					
City/State/Zip: Mcallen, TX 78501-3517					
Telephone: (956) 638-2970	Fax:				
Applicant's technical representative/ consultant:					
Name/Title: Luis Llorens JR, President Project Mana	ager				
Company: Ai Environmental Consulting Services Ind	c Us Cremation Equipment				
Street/Road: 2814 Silver Star Rd					
City/State/Zip: Orlando, FL 32808-3938					
Phone: (407) 923-3945	Fax: (321) 282-7358				
Person responsible for publishing notice:					
Name/Title: Justin Valinski, Cfo					
Company: Wellness On Wheelz A Mobile Veterinary Clinic Pllc					
Street/Road: 900 N Ware Rd					
City/State/Zip: Mcallen, TX 78501-3517					
Telephone: (956) 638-2970	Fax:				

Comisión de Calidad Ambiental de Texas



AVISO DE SOLICITUD DE UN PERMISO ESTÁNDAR DE CALIDAD DEL AIRE PARA UN INCINERADOR DE RESTOS DE ANIMALES

NO. DE REGISTRO DE CALIDAD DEL AIRE PROPUESTO: 179969

SOLICITUD. Wellness On Wheelz A Mobile Veterinary Clinic Pllc, 900 North Ware Road, McAllen, Texas 78501-3517 ha solicitado a la Comisión de Calidad Ambiental de Texas (la TCEQ) un Permiso Estándar de Calidad del Aire con no. de registro 179969, el cual autorizaría la construcción de un incinerador de restos de animales. Se propone ubicar dicha instalación en at 901 North Ware Road, McAllen, al cruzar de su facilidad en McAllen, Condado de Hidalgo, Texas 78501. Se ofrece el siguiente enlace a un mapa electrónico de la ubicación general del sitio o instalación como una cortesía pública, el cual no forma parte de la solicitud o del aviso: [. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-98.259825,26.215989&level=13.]. Favor de consultar la solicitud para conocer la ubicación exacta. Esta solicitud se envió a la TCEQ el 25 de abril del 2025. La función principal de esta instalación es la eliminación adecuada de restos de animales a través de la incineración. La directora ejecutiva determinó que la solicitud está administrativamente completa el 29 de abril del 2025.

COMENTARIOS PÚBLICOS. Es posible presentar comentarios públicos por escrito sobre esta solicitud en cualquier momento durante el periodo de comentarios públicos, el cual inicia en la fecha de publicación del aviso y se extiende a los 30 días posteriores a dicha fecha. Los comentarios públicos pueden enviarse por escrito a la siguiente dirección: Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087, o bien electrónicamente a través de <u>www14.tceq.texas.gov/epic/eComment/</u>. Favor de tener en cuenta que cualquier información de contacto proporcionada (nombre, teléfono, dirección física y de correo electrónico inclusive) pasará a formar parte de los registros públicos de la agencia.

RESPUESTA A COMENTARIOS. Tras la conclusión del periodo de comentarios, la directora ejecutiva preparará una respuesta por escrito a todos los comentarios relevantes, la cual se enviará (junto con la decisión de la directora ejecutiva sobre la solicitud) a todas las personas que hayan presentado comentarios y hayan solicitado ser parte de la lista de correo. La respuesta a comentarios se publicará en el archivo del permiso para su visualización.

La directora ejecutiva aprobará o denegará la solicitud a más tardar dentro de los 30 días posteriores a la conclusión del periodo de comentarios públicos (tomando en cuenta todos los comentarios recibidos dentro de dicho periodo) y basará esta decisión en si la solicitud cumple con los requisitos del permiso estándar

LA OFICINA CENTRA/REGIONAL. La solicitud estará disponible para su consulta y copia en la Oficina Central de la TCEQ y en la Oficina Regional de la TCEQ en Harlingen ubicada en 1804 West Jefferson Avenue. Harligen, TX 78550-5247, en horario de atención (lunes a viernes de 8:00 a. m. a 5:00 p. m.), a partir del primer día de la publicación de este aviso.

INFORMACIÓN. Para más información sobre esta solicitud de permiso o el proceso de tramitación de permisos, favor de ponerse en contacto con el Programa de Educación Pública mediante llamada sin costo al 1-800-687-4040. Para información en español, llamar al 1-800-687-4040.

Es posible obtener más información de Wellness On Wheelz A Mobile Veterinary Clinic Pllc por correo a la siguiente dirección: 900 North Ware Road, McAllen, Texas 78501-3517 o bien mediante llamada a Luis Llorens, Presidente al telefono 407-923-3945.

Fecha de emisión de este aviso: 1 de mayo de 2025



Pet Cremator "Sierra 300"

Random-Load Pet Cremation Systems

Model: Sierra-300 (US 75/300 Gen II) Load Capacity: 300 lbs

Processing Rate: 75 lbs/hr

Perfectly equipped for the typical veterinary practice or beginning pet cremation service. Ideally sized to accommodate "private" pet cremations, yet large enough to provide the ample capacity needed to perform "partitioned" and "communal" cremations. Smokeless and odorless operation, UL Listed for safety, fully automatic controls and many more features that offer convenient, efficient and safe operation for your staff and business.

US Cremation Equipment . Altamonte Springs, FL . 321-282-7357 . <u>www.uscremationequipment.com</u>

US Cremation Equipment - Features and Benefits Summary

□ No Cool-Down Required between Cremations: You can process one-pet-after-another without the need to cool-down between the private pet cremations.

□ **Powder Coat Finish:** Superior to painting, the powder coating process bonds the colors to the metal thorough a heat treating process, rather than simply covering the metal as painting does.

□ **Dual Piston Hydraulically Actuated Door**: Our dual-piston design guides the door steadily and smoothly into the desired position and it is extremely safe for your operators ... there is no possibility for a chain to break, allowing the door to free-fall at the time of failure.

□ **Mechanically Sealed Loading Door:** Our unique door-track system, working in concert with the dualpistons, mechanically presses our door against the steel bulk-head, resulting in a tight 360° seal.

 \Box **Two Year Warranty**: Each of our crematories carries a two year warranty, which is twice as long as the standard warranty that other manufacturers offer.

□ Low Profile Exhaust Stack: Helpful in neighborhoods where a tall protruding stack may not be allowed by zoning, or is aesthetically unappealing and could be offensive to neighbors.

□ Wide Primary Chamber: Allows your staff to safely and conveniently load lager animals as well as provides a greater area in which to perform "partitioned" and "communal" cremations.

□ **Monolithically Cast Refractory Secondary Chamber:** Extremely durable fabrication technique, leading to the extended useful life of the equipment and less down-time, as well as lower maintenance costs.

□ **Removable External Side-Skins:** Our external skins are easily removed should you ever need to access the internal workings for inspection or repair. Other manufacturers weld their skins in place to expedite the manufacturing process, making removal costly and damaging to the machine.

□ **Rear-Mounted Electrical Panel and Components:** Protects components from the heat that radiates from the top of the machine, reducing component failure and extending the useful life of the cremator. Most manufacturers place their components on top, shortening their useful life and making maintenance difficult.

□ **Refractory Lined Draft Inducer:** This device cools the exhaust stream and also allows your staff to safely load or clean-out at any time during the cremation process, thus reducing your time to complete your daily work-load.

□ Stainless Steel Anchors: Restricts the movement of the walls (from expansion/contraction), extending the useful life of the chamber, reducing your down-time and lowing maintenance costs.

□ Underwriters Laboratories (UL) Certifications: Our entire cremator (not just component parts or electrical panels) has been independently tested by UL and has received their coveted "Listed" status. This UL listing may help with your insurance coverage and rates.

We Sell The Best ... And Service The Rest

US Cremation Equipment . Altamonte Springs, FL . 321-282-7357 . <u>www.uscremationequipment.com</u>

US Cremation Equipment Model US 75/300 Gen II Animal Crematory

Equipment	Pounds Incinerated	Hours Per	SO2	SO2	SO2	Nox	Nox	Nox	тос	тос	тос	РМ	PM	CO	CO
	Per Hour (Average)	Year	lb/ton	lb/hr	TPY	lb/ton	lb/hr	TPY	lb/ton	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
US 75/300	75	8760	2.5	0.09375	0.410625	3	0.1125	0.49275	3	0.1125	0.49275	0.26	1.14	0.38	1.66

CO=100 PPM @ 7% O2 based on manufacturers warranty

PM = 0.08 gr/dscf based on manufacturers warranty

US 75/300, CO is calculated as follows:

75 lb/hr x 1E+01 lb/ton x 1 ton/2000 lbs = 0.38 lbs/hr CO 0.38 lb/hr CO x 8760 hrs/yr x 1 ton/2000 lbs = 1.66 TPY CO

US 75/300, PM is calculated as follows:

75 lb/hr x 7E+00 lb/ton x 1 ton/2000 lbs = 0.26 lbs/hr PM 0.26 lb/hr PM x 8760 hrs/yr x 1 ton/2000 lbs = 1.14 TPY PM Source Test Report for Particulate, Carbon Monoxide & Visible Emissions

Report 24011-ST

Conducted: February 2, 2024

Prepared For: Rest Assured Animal Cremations, LLC Charlotte, NC

> Performed At: U.S. Cremations Equipment Orlando, FL Manufacturing Facility

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

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1.0 Introduction

On February 2, 2024, EPA Methods 1-5, 9 & 10 testing for Particulate Matter (PM), Visible Emissions (VE) and Carbon Monoxide (CO) was performed on a U.S. Cremation Equipment Animal Cremator **Model** US 75/300(Gen 2) AKA Sierra 300, located at 2814 Silver Star Road Bldg 201-D in Orlando, Florida. The animal cremation unit is being installed at Rest Assured Animal Cremations, LLC located at 618 Rountreee Road in Charlotte, North Carolina.

During the testing period, Luis Llorens of U.S. Cremation Equipment maintained a log containing the emission control device and process data. This information is presented, along with the temperature chart, in Attachment C.

The results of this test verify compliance with the rules as set forth by Florida Department of Environmental Protection referenced under CFR Part 62-296.401 for incinerators.

2.0 Certification of Test Results

Testing For:	Rest Assured Animal Cremations, LLC Model #US 75/300(Gen 2) AKA Sierra 300 618 Rountree Road Charlotte, North Carolina 28217
Testing Location:	U.S. Cremations Equipment 2814 Silver Star Road 201-D Orlando, Florida 32808
Type Process	Animal Cremation
Abatement Device	Afterburner
Report	24011-ST
Date	February 2, 2024

Actual Particulate Matter Emissions (gr/dscf @ 7% O2) - Allowable Particulate Emissions (gr/dscf @ 7% O2) -	0.008 0.08
Actual Visible Emission (VE) (Highest six minute average %) -	0.00
Allowable Visible Emission (VE) (Highest six minute average %) -	5.00
Actual Carbon Monoxide Emissions (CO @ 7% O2) -	5.03
Allowable Carbon Monoxide Emissions (CO @ 7% O2) -	100.00

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

Nicholas Decker

Nicholas Decker Field Manager

3.0 Allowable Emission Determination

The allowable emissions were determined by permit specific conditions.

Substantiating data and calculations are presented in the Appendix D.

4.0 Cyclonic Flow Determination

EPA Method 1

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

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

CYCLONIC FLOW DETERMINATION

Rest Assured Animal Cremations, LLC

EPA Method 1, Section 11.4

FACILITY NAME:

REPORT NUMBER

24011-ST

Facility ID

AVERAGE FLOW ANGLE:

0.0 No

CYCLONIC FLOW: (Yes/No)

(Note: Average flow angle must be less then 20 degrees) February 2, 2024 Date:

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

IF DEG 0 NO Flow direction is needed.

5.0 Summary of Results Rest Assured Animal Cremations, LLC

	Run 1	Run 2	Run 3	Average
Date	2/2/2024	2/2/2024	2/2/2024	
Start Time	8:20	9:55	11:20	
Stop Time	9:23	10:58	12:23	
Process Rate (lbs.)	79	129	130	113
Particulate Emission Rate (gr./dscf @ 7% O ₂)	0.0045	0.0069	0.0121	0.008
Allowable Particulate Emission Rate (gr./dscf $@7\% O_2$)	0.080	0.080	0.080	0.080
Visible Emission Rate (%) (highest six minute average) Allowable Visible Emission Rate (%)		0.0 5	00 5	
Carbon Monoxide Emission Rate (ppm @7% O2)	1.99	5.47	7.64	5.03
Allowable Carbon Monoxide Emission Rate (ppm @7% O2)	100	100	100	100

6.0 Particulate Emission Results Rest Assured Animal Cremations, LLC

	Run 1	Run 2	Run 3
Area (square feet)	2.18	2.18	2.18
Stack Pressure (inches Hg)	30.04	30.04	30.04
Meter Pressure (inches Hg)	30.14	30.13	30.13
Sample Volume (Std. Cu. Ft.)	41.247	38.019	38.414
Water Vapor (Cubic Feet)	5.17	5.79	9.44
Sample Moisture (percent)	11.14	13.21	19.72
Saturation Moisture (percent)	100.00	100.00	100.00
Molecular Weight (lbs/lb Mole wet)	28.18	28.03	27.22
Velocity (fpm)	662	702	731
Volumetric Flow Rate (acfm)	1444	1533	1595
Volumetric Flow Rate (scfm-dry)	476	434	421
Concentration (gr/dscf)	0.0028	0.0050	0.0086
Concentration@7% O2 (gr/dscf)	0.0045	0.0069	0.0121
Mass Emission Rate (lbs./hr.)	0.01	0.02	0.03
Percent Isokinetic	102.83	104.09	108.45

7.0 Visible Emission Results Rest Assured Animal Cremations, LLC

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

8.0 Carbon Monoxide Emission Results Rest Assured Animal Cremations, LLC

	Run1	Run 2	Run 3	Average
Date	2/2/2024	2/2/2024	2/2/2024	
Start Time	8:20	9:55	11:20	
Stop Time	9:23	10:58	12:23	
Percent Oxygen	12.30	10.80	10.98	
Carbon Monoxide (PPM)	1.23	3.97	5.45	
Carbon Monoxide Emissions (PPM @ 7% O ₂)	1.99	5.47	7.64	5.03
Carbon Monoxide Allowable (PPM@ 7% O ₂)	100	100	100	100

8.0. Overview of Field and Analytical Procedures

8.1. EPA Method 1 - Sample and Velocity Traverses for Stationary Sources Principle -

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

Applicability - This method is applicable to flowing gas streams in ducts, stacks and flues. This method cannot be used when: 1) flow is cyclonic or swirling 2) a stack is smaller than about 12 inches in diameter, or 0.071 cross-sectional area or 3) the measurement site is less than two stack or duct diameters downstream or less than a half diameters upstream from

a flow disturbance. The procedures in this method were utilized in its entirety according to the procedures outlined in 40 CFR Part 60, Appendix A.

8.2. EPA Method 2 - Determination of Stack Gas Velocity and Volumetric Flow Rate

Principle - Type S Pitot Tube - The average gas velocity in a stack is determined from the gas density and from measurement of the average velocity head with a Type S pitot tube. **Applicability** - This method is applicable for measurement of the average velocity of a gas stream and for quantifying gas flow. This procedure is not applicable at measurement sites which fail to meet the criteria of Method I. This method cannot be used for direct measurement in cyclonic or swirling gas streams. The procedures in this method were utilized in its entirety according to the procedures outlined in 40 CFR Part 60, Appendix A.

8.3. EPA Method 3 - Gas Analysis for the EPA Determination of Dry Molecular Weight

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

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

8.4. EPA Method 4 - Determination of Moisture Content in Stack Gases Principle -

A gas sample is extracted at a constant rate from the source; moisture is removed from the sample stream and determined either volumetrically or gravimetrically. **Applicability** - This method is applicable for determining the moisture content of stack gas. There are two procedures given to determine the moisture. The procedure for the reference method to determine the moisture content was used to calculate the emission data. The reference method was conducted simultaneously with the pollutant emission measurement run, pollutant emission rate, etc. for the run is based upon the results of the reference method or its equivalent. The procedures in this method were utilized in its entirety according to the procedures outlined in 40 CFR Part 60, Appendix A. **9.5 EPA Method 5 - Determination of Particulate Emissions from Stationary Sources Principle** - Particulate matter is withdrawn isokinetically from the source collected on a glass fiber filter maintained at a temperature in the range of 223-273 degrees F or such other temperature as specified by an applicable subpart of the standards or approved by the Administrator, US Environmental Protection Agency for a particular application. The particulate mass which includes any material that condenses at or above the filtration temperature is determined gravimetrically after removal of uncombined water. **Applicability** - This method is applicable for the determination of particulate emissions from stationary sources. The procedures in this method were utilized in its entirety according to the procedures outlined in 40 CFR Part 60, Appendix A.

Diagram of EPA Method 5 Sampling Train

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

Principle - The opacity of emissions from stationary sources is determine visually by a Qualified observer.

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

9.7 EPA METHOD 10—Determination of Carbon Monoxide Emissions From Stationary Sources (Instrumental Analyzer Procedure)

<u>Principle</u> - In this method, you continuously or intermittently sample the effluent gas and convey the sample to an analyzer that measures the concentration of CO. You must meet the performance requirements of this method to validate your data.

Applicability - The use of Method 10 may be required by

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

9.0 Sampling Point Determination Procedure

Minimum Number of Sampling Points Per Traverse

Circular Stacks

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

Rectangular Stacks

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

Number of Traverse Points	Subarea Layout Matrix
9	3x3
12	4x3
16	4x4
20	Sx4
25	SxS
30	6xS
36	6x6
42	7x6
49	7x7

9.1 Sampling Point Determination Rest Assured Animal Cremations, LLC

24011-ST

Stack Configuration	Circular
Diameter (inches)	20
Distance A - Ports located upstream from disturbance (inches)	108
Distance A - Ports located upstream from disturbance (diameters)	5.4
Distance B - Ports located downstream from disturbance (inches)	86
Distance B - Ports located downstream from disturbance (diameters)	4.3
Number of Test Ports	2
Wall or Port length	0
Number of Sampling Points per Traverse	12
Number of Points Sampled	24

Photograph of Stack

Traverse	Point Location
Traverse	Inches to
Point No.	Sample Point
	offset
1	0.75
2	1.3
3	2.4
4	3.5
5	5.0
6	7.1
7	12.9
8	15.0
9	16.5
10	17.6
11	18.7
12	19.25

*Points 1 & 12 adjusted to meet EPA Method 1 requirments for duct diameters less than 24 inches.

	Run 1	Run 2	Run 3
Date	2/2/2024	2/2/2024	2/2/2024
Start Time	8:20	9:55	11:20
Stop Time	9:23	10:58	12:23
СР	0.84	0.84	0.84
Υ	0.9998	0.9998	0.9998
^Ha (inches H2O)	1.6830	1.6830	1.6830
Diameter of Nozzle (inches)	0.7493	0.7493	0.7493
Stack Diameter or Equivalent (inches)	20.00	20.00	20.00
Static Pressure (inches H2O)	-0.05	-0.05	-0.05
Barometric Pressure (inches Hg)	30.04	30.04	30.04
Test Time (minutes)	60	60	60
Meter Volume (cubic feet)	40.908	38.195	38.824
Square Root ^P (inches H2O)	0.118	0.117	0.121
Orifice Pressure [^] H (inches H2O)	1.417	1.256	1.257
Average Meter Temperature (Deg. F)	67.3	73.9	77.1
Average Stack Temperature (Deg. F)	967.1	1164.9	1153.2
Particulate Sample Weight (grms)	0.0075	0.0124	0.0215
Water Collected (grms)	109.7	122.7	200.2
Percent CO2	6.0	7.0	6.5
Percent O2	12.3	10.8	11.0
Molecular Weight (lbs/lb Mole)	29.45	29.55	29.48
Nozzle Area (square feet)	0.00306	0.00306	0.00306

Attachment A - Field Data

Beatty Environmental Services, Inc. Particulate Field Data

Plant	Rest Assured Animal Cremations, LLC-Charlotte				Y _{qa}	1.0052			
Report		2401	1-ST-1		^Ha	1.6830			
Date	02/02/24				Dn	0.7493			
Operator	ND				Diameter (in.)		20.0		
Time	Start -	8:20	End -	End - 9:23 Traverses X Points		2	Х	12	
K Factor	100.0			Static Pressure		-0.05			
Assumed Moisture % 1		1()	Barometric Pressur	e (in. Hg)	(in. Hg) 30.0			
Dry Gas Meter No.		1		Test Time (min.)	-	60			
Nozzle ID No.			#20		Metered Volume		40.908		
Wet Bulb	Temperatu	re	e NA		Avg. Sq Rt ^P		0.118		
Post Leak Check		.000cfm @ 15" Hg		Avg. ^H	1.41	1.417			
Cp Factor		0.84		Avg. Meter Temp.		67.3			
Y	-		0.9998		Avg. Stack Temp.		967.1		

Traverse	Sampling	DG METER	Velocity	Pressure	Meter	Pump	Impinger	Filter	Stack
Point	Time	(cu.ft.)	Head	Orifice Meter	Temperature	Vacuum	Temperature	Temperature	Temperature
Number	(min.)	141.500	$\Delta P(in. H_2O)$	ΔH(in. H2O)	(°F)	(in. Hg)	(°F)	(°F)	(°F)
1	2.5	143.26	0.015	1.50	62	3.0	44	249	968
2	2.5	144.97	0.015	1.50	63	3.0	45	247	974
3	2.5	146.73	0.015	1.50	63	3.0	45	249	971
4	2.5	148.46	0.015	1.50	64	3.0	45	259	959
5	2.5	150.42	0.020	2.00	64	4.0	46	257	946
6	2.5	152.68	0.020	2.00	64	4.0	46	252	953
7	2.5	154.36	0.015	1.50	65	4.0	47	249	940
8	2.5	155.97	0.015	1.50	65	4.0	47	250	951
9	2.5	157.44	0.010	1.00	66	3.5	47	239	962
10	2.5	158.94	0.010	1.00	66	3.5	47	245	964
11	2.5	160.37	0.010	1.00	66	3.5	47	249	974
12	2.5	161.75	0.010	1.00	66	3.5	47	252	969
1	2.5	162.85	0.010	1.00	68	3.5	50	246	926
2	2.5	164.98	0.015	1.50	69	4.0	46	243	973
3	2.5	166.74	0.015	1.50	69	4.0	46	249	980
4	2.5	168.43	0.015	1.50	69	4.0	46	252	978
5	2.5	170.04	0.015	1.50	70	4.0	47	237	1059
6	2.5	171.97	0.015	1.50	70	4.0	48	244	1056
7	2.5	173.64	0.020	2.00	71	4.0	49	260	1064
8	2.5	175.43	0.015	1.50	71	4.0	49	246	943
9	2.5	177.16	0.015	1.50	71	4.0	49	251	926
10	2.5	179.23	0.015	1.50	71	4.0	49	250	921
11	2.5	180.71	0.010	1.00	71	4.0	49	241	929
12	2.5	182.408	0.010	1.00	71	4.0	49	245	924

Beatty Environmental Services, Inc. Particulate Field Data

Plant	Rest Assured Animal Cremations, LLC-Charlott			Charlotte	Y _{qa}		1.0204		
Report		24011-ST-2			^Ha	1.6830			
Date		02/02/24				0.7493			
Operator	ND			Diameter ((in.)	20.0			
Time	Start - 9:55 End - 10:58				Traverses	X Points	2	Х	12
K Factor	90.0		Static Pres	sure	-0.05				
Assumed Moisture %		11		Barometric	ic Pressure (in. Hg) 3			0.04	
Dry Gas I	Meter No.		1		Test Time	(min.)	60		
Nozzle II) No.		#20		Metered V	olume	38.195		
Wet Bulb Temperature		e	NA		Avg. Sq Rt	-^P	0.117		
Post Leak Check .000cfm@16" H		g	Avg. ^H	-	1.256				
Cp Factor 0.8		0.84		Avg. Mete	r Temp.	73.9			
Y			0.9998		Avg. Stack	Temp.	1164.9		

Traverse	Sampling	DG METER	Velocity	Pressure	Meter	Pump	Impinger	Filter	Stack
Point	Time	(cu.ft.)	Head	Orifice Meter	Temperature	Vacuum	Temperature	Temperature	Temperature
Number	(min.)	185.800	$\Delta P(\text{in. H}_2O)$	ΔH(in. H2O)	(°F)	(in. Hg)	(°F)	(°F)	(°F)
1	2.5	187.16	0.010	0.90	71	3.0	51	242	1113
2	2.5	188.54	0.010	0.90	71	3.0	48	257	1130
3	2.5	190.06	0.015	1.35	71	4.0	48	259	1152
4	2.5	191.82	0.015	1.35	72	4.0	49	262	1191
5	2.5	193.46	0.015	1.35	72	4.0	49	249	1172
6	2.5	195.11	0.015	1.35	73	4.0	49	250	1152
7	2.5	196.84	0.020	1.80	73	4.5	49	253	1189
8	2.5	198.63	0.015	1.35	73	4.0	49	245	1180
9	2.5	200.34	0.015	1.35	73	4.0	49	249	1193
10	2.5	201.94	0.015	1.35	73	4.0	49	246	1199
11	2.5	203.31	0.010	0.90	73	4.0	49	251	1176
12	2.5	204.72	0.010	0.90	73	4.0	49	244	1159
1	2.5	206.09	0.010	0.90	74	3.5	50	239	1194
2	2.5	207.61	0.010	0.90	75	3.5	49	249	1227
3	2.5	208.73	0.015	1.35	75	4.0	49	252	1189
4	2.5	210.43	0.015	1.35	75	4.0	49	245	1211
5	2.5	211.97	0.015	1.35	75	4.0	49	250	1233
6	2.5	213.97	0.020	1.80	75	5.0	50	250	1208
7	2.5	215.49	0.020	1.80	75	5.0	50	257	1231
8	2.5	217.91	0.015	1.35	76	4.5	53	255	1166
9	2.5	219.36	0.015	1.35	76	4.5	53	258	1169
10	2.5	220.73	0.015	1.35	76	4.5	53	259	1052
11	2.5	222.31	0.010	0.90	77	4.0	53	254	1030
12	2.5	223.995	0.010	0.90	77	4.0	53	249	1041


Beatty Environmental Services, Inc. Particulate Field Data

Plant	Rest Assured Animal Cremations, LLC-Charlotte		Y _{qa}	1.0073			
Report	24011-ST-3		^Ha	1.6830			
Date		02/02/	24	Dn	0.7493		
Operator		ND		Diameter (in.)	20.0		
Time	Start - 11:20 End - 12:23 Trav		Traverses X Points	2	Х	12	
K Factor	85.0		Static Pressure	-0.05			
Assumed Moisture %			13	Barometric Pressure	e (in. Hg) 30.04		0.04
Dry Gas Meter No.			1	Test Time (min.)	60		
Nozzle II) No.		#20	Metered Volume	38.824		
Wet Bulb	Temperatur	ire NA		Avg. Sq Rt ^P	0.121		
Post Leak Check		.000cfm @ 16" Hg		Avg. ^H	1.257		
Cp Factor			0.84	Avg. Meter Temp.	77.1		
Y			0.9998	Avg. Stack Temp.	1153.2		

Traverse	Sampling	DG METER	Velocity	Pressure Meter		Pump	Impinger	Filter	Stack
Point	Time	(cu.ft.)	Head	Orifice Meter	Temperature	Vacuum	Temperature	Temperature	Temperature
Number	(min.)	227.500	$\Delta P(\text{in. H}_2O)$	ΔH(in. H2O)	(°F)	(in. Hg)	(°F)	(°F)	(°F)
1	2.5	228.78	0.010	0.85	76	3.0	53	227	1224
2	2.5	230.47	0.015	1.28	77	3.0	51	244	1149
3	2.5	232.24	0.020	1.70	75	4.0	50	256	1180
4	2.5	234.16	0.020	1.70	75	4.0	50	237	1193
5	2.5	235.97	0.020	1.70	75	4.0	51	264	1209
6	2.5	237.56	0.015	1.28	75	4.0	52	253	1151
7	2.5	239.37	0.015	1.28	76	4.0	52	248	1159
8	2.5	241.31	0.020	1.70	76	4.0	53	255	1156
9	2.5	242.84	0.020	1.70	76	4.0	53	238	1209
10	2.5	244.51	0.015	1.28	76	4.0	53	241	1155
11	2.5	246.12	0.015	1.28	77	4.0	53	243	1178
12	2.5	247.53	0.010	0.85	77	3.5	53	247	1147
1	2.5	249.26	0.010	0.85	78	4.0	54	240	1121
2	2.5	250.63	0.015	1.28	78	4.0	54	239	1126
3	2.5	252.73	0.015	1.28	78	4.0	54	259	1169
4	2.5	254.06	0.015	1.28	78	4.0	54	250	1115
5	2.5	255.46	0.015	1.28	78	4.0	54	249	1111
6	2.5	257.06	0.015	1.28	78	4.0	54	253	1148
7	2.5	258.84	0.015	1.28	78	4.0	54	249	1142
8	2.5	260.27	0.015	1.28	78	4.0	54	247	1132
9	2.5	262.06	0.015	1.28	79	4.0	55	248	1123
10	2.5	263.46	0.010	0.85	79	4.0	55	246	1119
11	2.5	264.81	0.010	0.85	79	4.0	55	261	1142
12	2.5	266.324	0.010	0.85	79	4.0	55	252	1118



Method (Sicle One)	Continued on VEO Form Number
mpany Name Rest Assure Aring creachons	Cosevation Date Time Zape Start Time, End Time 7.70
Marin Darie to: 618 Roy the Rd	Min Sec 0 15 30 45 Comments
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ance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)	0000
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ince and Direction to Observation Point from Emission Point, H-	12 0 0 0 0
The Emissions	
End N/A	14 0 0 0 0
None Attached Detached None	16 0 0 0 0
nibe Plume Bockground	160000
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Speed Wind Direction	
Kent Temp, 20 Mill Start N M End N W	
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Source Layout Sketch Draw North Arrow	
Dreh DIN DAN	2 0 0 0 0
13 0	22 0 0 0 0
0	
X Observation Point	24 0 0 0 0
	25 0 0 0 0
	26 0 0 0 0
I I I fol D	27 () 0 0 0
Observer's Position	28 0 0 0 0
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	30 0 0 0 0
tude Declination	LUIS Lloke - 1
onal Information	Date 2/2/21
	AT Envivorente
	Cermed By DFP/ h by the Date 1 2029







Facility Name:Rest Assured Animal Cremations, LLCUnit:Animal Crematory (Model #US 75/300(Gen 2) AKASierra 300)Test Location:U.S. Cremation Equipment Manufacturing FacilityDate:2/2/2024Test No.:24011-STRun No.1Start:8:20Stop:9:20

	UNCORRECTED R/	AW DATA	~~	
		02	CO	
Date/Time		%	PPM	
2/2/2024 8:20		14.13	2.25	
2/2/2024 8:21		14.20	2.00	
2/2/2024 8:22		14.22	1.75	
2/2/2024 8:23		14.06	1.75	
2/2/2024 8:24		14.68	1.50	
2/2/2024 8:25		14.62	1.25	
2/2/2024 8:26		14.88	1.00	
2/2/2024 8:27		15.88	1.00	
2/2/2024 8:28		14 70	0.75	
2/2/2024 8:29		14.30	1.00	
2/2/2024 8:30		14 52	1.25	
2/2/2024 8:31		14.76	1.00	
2/2/2024 8:37		13.06	1.00	
2/2/2024 0.32		13.30	1.00	
2/2/2024 0.33		14.00	1.20	
2/2/2024 0.34		14.12	1.00	
2/2/2024 8:35		14.70	1.00	
2/2/2024 8:36		13.25	1.00	
2/2/2024 8:37		12.84	1.25	
2/2/2024 8:38		12.61	1.00	
2/2/2024 8:39		12.68	1.00	
2/2/2024 8:40		12.20	1.25	
2/2/2024 8:41		12.88	1.00	
2/2/2024 8:42		13.77	1.00	
2/2/2024 8:43		13.04	1.00	
2/2/2024 8:44		12.97	1.00	
2/2/2024 8:45		13.41	0.75	
2/2/2024 8:46		12.83	0.75	
2/2/2024 8:47		13.40	1 25	
2/2/2024 8:48		13.58	1.20	
2/2/2024 0.40		13.30	1.00	
2/2/2024 8:49		13.54	4.50	
2/2/2024 8:50		12.99	4.50	
2/2/2024 8:51		13.27	1.00	
2/2/2024 8:52		13.53	0.75	
2/2/2024 8:53		11.48	0.75	
2/2/2024 8:54		11.05	1.25	
2/2/2024 8:55		11.82	1.00	
2/2/2024 8:56		9.78	1.25	
2/2/2024 8:57		9.58	1.50	
2/2/2024 8:58		10.33	1.25	
2/2/2024 8:59		9.76	1.00	
2/2/2024 9:00		9.73	1.00	
2/2/2024 9:01		9.69	1.00	
2/2/2024 9:02		10.56	1.00	
2/2/2024 9:03		9.85	1.25	
2/2/2024 9:04		10.00	1.50	
2/2/2024 0:05		11.01	1.30	
2/2/2024 0.06		11.01	1.20	
2/2/2024 9:00		11.22	1.00	
2/2/2024 9:07		10.97	1.20	
2/2/2024 9:08		11.70	1.00	
2/2/2024 9:09		10.45	1.00	
2/2/2024 9:10		10.02	1.25	
2/2/2024 9:11		9.93	1.25	
2/2/2024 9:12		10.55	1.25	
2/2/2024 9:13		10.68	1.00	
2/2/2024 9:14		10.38	1.00	
2/2/2024 9:15		11.09	1.25	
2/2/2024 9:16		10.33	1.25	
2/2/2024 9:17		10.43	1.25	
2/2/2024 9:18		10.66	1.25	
2/2/2024 9 19		10.39	1.25	
2/2/2024 9:20		10.00	1 00	
2,2,202,1,0,20		10.70		
	lless messes de l.A.	10.55	4.00	
	Uncorrected AVerade	12.30	126	

Uncorrected Average Bias Corrected Average

12.30 1.23 1.99



Facility Name:Rest Assured Animal Cremations, LLCUnit:Animal Crematory (Model #US 75/300(Gen 2) AKASierra 300)Facility ID:U.S. Cremation Equipment Manufacturing FacilityDate:2/2/2024Test No.:24011-STRun No.2Start:9:55Stop:10:55

	UNCORRECTED RAW	DATA	~~	
		02	CO	
Date/Time		%	PPM	
2/2/2024 0.55		10.04	14.50	
2/2/2024 9:55		10.94	12.75	
2/2/2024 9:57		10.04	11 25	
2/2/2024 9:58		10.04	7 25	
2/2/2024 9:59		10.40	4 75	
2/2/2024 10:00		10.22	3 75	
2/2/2024 10:01		10.27	3.50	
2/2/2024 10:02		10.38	4.00	
2/2/2024 10:03		10.46	3.75	
2/2/2024 10:04		10.52	3.75	
2/2/2024 10:05		10.63	3.75	
2/2/2024 10:06		10.65	3.50	
2/2/2024 10:07		10.66	3.25	
2/2/2024 10:08		10.66	3.25	
2/2/2024 10:09		10.65	3.25	
2/2/2024 10:10		10.63	3.50	
2/2/2024 10:11		10.66	3.50	
2/2/2024 10:12		10.68	3.75	
2/2/2024 10:13		10.69	3.75	
2/2/2024 10:14		10.72	3.50	
2/2/2024 10:15		10.79	3.50	
2/2/2024 10:10		10.79	3.50	
2/2/2024 10.17		10.73	3.75	
2/2/2024 10:18		10.79	3.50	
2/2/2024 10:15		10.01	3.50	
2/2/2024 10:20		10.86	3 75	
2/2/2024 10:22		10.86	3.50	
2/2/2024 10:23		10.86	3.50	
2/2/2024 10:24		10.91	3.50	
2/2/2024 10:25		10.88	3.50	
2/2/2024 10:26		10.91	3.75	
2/2/2024 10:27		10.84	3.75	
2/2/2024 10:28		10.84	3.50	
2/2/2024 10:29		10.67	3.75	
2/2/2024 10:30		10.83	3.50	
2/2/2024 10:31		11.06	3.50	
2/2/2024 10:32		11.22	3.75	
2/2/2024 10:33		11.27	3.75	
2/2/2024 10:34		11.29	3.75	
2/2/2024 10:35		11.35	3.75	
2/2/2024 10:36		11.41	3.75	
2/2/2024 10:37		11.42	3.50	
2/2/2024 10:30		10.62	3.75	
2/2/2024 10:39		10.03	2.75	
2/2/2024 10:40		10.56	3.00	
2/2/2024 10:47		10.63	3.00	
2/2/2024 10:43		10.40	3.00	
2/2/2024 10:44		10.84	3.25	
2/2/2024 10:45		10.71	3.50	
2/2/2024 10:46		10.39	3.00	
2/2/2024 10:47		10.73	3.50	
2/2/2024 10:48		11.87	4.00	
2/2/2024 10:49		11.13	4.50	
2/2/2024 10:50		10.71	4.00	
2/2/2024 10:51		11.06	3.50	
2/2/2024 10:52		11.09	3.50	
2/2/2024 10:53		11.15	2.75	
2/2/2024 10:54		11.27	3.00	
2/2/2024 10:55		11.24	3.00	
	Uncorrected Average	10.82	4 05	

Bias Corrected Average Corrected to 7% O2 10.80 3.97 5.47



Facility Name:Rest Assured Animal Cremations, LLCUnit:Animal Crematory (Model #US 75/300(Gen 2) AKASierra 300)Facility ID:U.S. Cremation Equipment Manufacturing FacilityDate:2/2/2024Test No.:24011-STRun No.3Start:11:20Stop:12:20

	UNCORRECTED RA	W DATA		
		O2	CO	
Date/Time		%	PPM	
2/2/2024 11:20		11.41	9.00	
2/2/2024 11:21		11.39	8.25	
2/2/2024 11:22		9.78	9.50	
2/2/2024 11:23		9.86	11.75	
2/2/2024 11:24		9.94	11.50	
2/2/2024 11:25		10.02	10.75	
2/2/2024 11:26		10.09	10.00	
2/2/2024 11:27		10.07	9.75	
2/2/2024 11:28		10.12	9.75	
2/2/2024 11:29		10.16	9.50	
2/2/2024 11:30		10.16	9.25	
2/2/2024 11:31		10.16	8.75	
2/2/2024 11:32		10.15	9.00	
2/2/2024 11:33		10.16	9.50	
2/2/2024 11:34		10.17	9.00	
2/2/2024 11:35		10.21	8.75	
2/2/2024 11:36		10.15	8.50	
2/2/2024 11:37		9.96	8.75	
2/2/2024 11:38		10.20	8.25	
2/2/2024 11:39		10.27	7.25	
2/2/2024 11:40		10.41	6.00	
2/2/2024 11:41		10.63	5.25	
2/2/2024 11:42		10.76	4.50	
2/2/2024 11:43		10.80	4.00	
2/2/2024 11:44		10.86	3.75	
2/2/2024 11:45		10.90	3.50	
2/2/2024 11:46		10.98	3.50	
2/2/2024 11:47		11.02	3.50	
2/2/2024 11:48		11.08	3.50	
2/2/2024 11:49		11.13	3.50	
2/2/2024 11:50		11.20	3.25	
2/2/2024 11:51		11.27	3.50	
2/2/2024 11:52		11.27	3.50	
2/2/2024 11:53		11.27	3.75	
2/2/2024 11:54		11.30	4.00	
2/2/2024 11:55		11.29	3.75	
2/2/2024 11:56		11 29	3 75	
2/2/2024 11:57		11.35	4 00	
2/2/2024 11:58		11.36	3 75	
2/2/2024 11:59		11.37	3.75	
2/2/2024 12:00		11.07	3.75	
2/2/2024 12:00		11.43	3.50	
2/2/2024 12:01		11.48	3 50	
2/2/2024 12:02		11.40	3 75	
2/2/2024 12:00		11.40	3 75	
2/2/2024 12.04		11.04	3.50	
2/2/2024 12:00		11.04	3.50	
2/2/2024 12:00		11.55	3.50	
2/2/2024 12:07		11.57	3.50	
2/2/2024 12.00		11.00 11.61	3.50	
2/2/2024 12.09		11.01	3.50	
2/2/2024 12.10		11.0/	3.50	
2/2/2024 12:11		11.07	2.50	
2/2/2024 12.12		11.09	2.50	
2/2/2024 12.13		11./1	2.50	
2/2/2024 12:14		11.73	3.30 3.50	
2/2/2024 12:15		11.//	3.50	
2/2/2024 12:16		11.84	3.50	
2/2/2024 12:17		11.83	3.50	
2/2/2024 12:18		11.86	3.50	
2/2/2024 12:19		11.89	3.75	
2/2/2024 12:20		11.89	3.50	
	Uncorrected Average	11.00	5.56	

Bias Corrected Average Corrected to 7% O2
 11.00
 5.56

 10.98
 5.45

ANALYZER CALIBRATION DATA for Rest Assured Animal Cremations, LLC

	Analyzer Span
02	22.0
CO	380.0

Analyzer Span 22.0

380.0

02

Facility:	Rest Assured Animal Cremations, LLC	Unit:	Animal Crematory (N	Nodel #US 75	5/300(Gen 2) AKA	Sierra 30
Project No.:	24011-ST	Personnel:	Nicholas Decker			
Date:	2/2/2024	Analyzers:	O2, CO,			
Run Number	1	Run Time:	8:20	-	9:20	

		Calib	Calibration Error Check			System Calib				
		ouins			Pre	Pre Run Pos		Run		
	Calibration		Analyzer			System		System		Calibration
	Value	Cylinder	Calibration	Difference	System	Bias	System	Bias	Drift	Error
	(% or ppm)	Number	Response	(% of Span)	Response	(% of Span)	Response	(% of Span)	(% of Span)	Factors
O ₂ Zero	0.0	EB0137715	0.004	0.02	0.011	0.03	0.023	0.09	0.05	0.02
O ₂ Mid	12.00	EB0058583	11.982	-0.08	11.997	0.07	12.005	0.10	0.04	12.00
O ₂ High	22.0	EB0052408	22.006	0.03	NA		NA			
CO Zero	0.0	EB0137715	0.003	0.00	0.016	0.00	0.034	0.01	0.00	0.03
CO Mid	185.0	223503028	186.200	0.32	186.400	0.05	186.500	0.08	0.03	186.45
CO High	380.0	222303046	380.000	0.00	NA		NA			

Project No.: 24011-ST Personnel: Nicholas Decker Pote: 0/00004 0/00004 0/00004	
Dete: 0/0/0004	
Date: <u>2/2/2024</u> Analyzers: <u>02, CO,</u>	
Run Number 2 Run Time: 9:55 - 10	0:55

			Calib	Calibration Error Check			System Calib]			
			ouins			Pre Run		Post Run			
		Calibration		Analyzer			System		System		Calibration
		Value	Cylinder	Calibration	Difference	System	Bias	System	Bias	Drift	Error
		(% or ppm)	Number	Response	(% of Span)	Response	(% of Span)	Response	(% of Span)	(% of Span)	Factors
I	O2 Zero	0.0	EB0137715	0.004	0.02	0.023	0.09	0.019	0.07	-0.02	0.02
I	O2 Mid	12.00	EB0058583	11.982	-0.08	12.005	0.10	12.014	0.15	0.04	12.01
I	O2 High	22.0	EB0052408	22.006	0.03	NA		NA			
I	CO Zero	0.0	EB0137715	0.003	0.00	0.034	0.01	0.051	0.01	0.00	0.04
I	CO Mid	185.0	223503028	186.200	0.32	186.500	0.08	187.000	0.21	0.13	186.75
I	CO High	380.0	222303046	380.000	0.00	NΔ		NΔ			

	Analyzer Span
02	22.0
со	380.0

Plant:	Rest Assured Animal Cremations, LLC	Location:	Animal Crematory (Mo	del #US 75/3	300(Gen 2) AKASierra 30	00)	
Project No.:	24011-ST	Personnel:	Nicholas Decker				
Date:	2/2/2024	Analyzers:	02, CO,				
Run Number	3	Run Time:	11:20	-	12:20		

		Calibration Error Chock				System Calibration Check				
		Calib	Calibration Error Check		Pre	Pre Run		Run		
	Calibration		Analyzer			System		System		Calibration
	Value	Cylinder	Calibration	Difference	System	Bias	System	Bias	Drift	Error
	(% or ppm)	Number	Response	(% of Span)	Response	(% of Span)	Response	(% of Span)	(% of Span)	Factors
O2 Zero	0.0	EB0137715	0.004	0.02	0.019	0.07	0.022	0.08	0.01	0.02
O2 Mid	12.00	EB0058583	11.982	-0.08	12.014	0.15	12.010	0.13	-0.02	12.01
O2 High	22.0	EB0052408	22.006	0.03	NA		NA			
CO Zero	0.0	EB0137715	0.003	0.00	0.051	0.01	0.062	0.02	0.00	0.06
CO Mid	185.0	223503028	186.200	0.32	187.000	0.21	186.900	0.18	-0.03	186.95
CO High	380.0	222303046	380.000	0.00	NA		NA			



EPA Method Specific Calculations

Example Calculations From Run 3

8.0 EPA Method 10 CO Calculations

Analyzer Calibration Error:

,				ACE	= Cdir - C	v / CS x 100		(Eq. 7E-1)
Example Cal ACE = (ACE =	culation Run 0.003 0.00	3 (Low) -	0)	/	380	x	100
Example Cal ACE = (ACE =	culation Run 186.2 0.32	3 (Mid) -	185)	/	380	x	100
Example Cal ACE = (ACE =	culation Run 380 0.00	3 (High) -	380)	/	380	x	100

Analyzer Calibration Error

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

System Bias:

	SB	= Cs - Cdir	/ CS X 10	00	(E	q. 7E-3)		
Example Cal SB = (SB =	culation Run 3 0.051 0.01	- -	itial)) 0.003)	/	380	x	100
Example Cale SB = (SB =	culation Run 3 0.062 0.02	- Low (fir	nal)) 0.003)	/	380	x	100
Example Cal SB = (SB =	culation Run 3 187 0.21	- -	tial)) 186.2)	/	380	x	100
Example Cal SB = (SB =	culation Run 3 186.9 0.18	- (Mid (Fir	nal)) 186.2)	/	380	x	100

13.2 System Bias

This specification is applicable to both the system bias and 2-point system calibration error tests described in section 8.2.5 and 8.5. The pre- and post-run system bias (or system calibration error) must be within \pm 5.0 percent of the calibration span for the low-level and upscale calibration gases. Alternatively, the results are acceptable if | Cs-Cdir | is \leq 0.5 ppmv or if | Cs-Cv | is \leq 0.5 ppmv (as applicable).

Drift Assessment:

	D	= (SBFinal	- SB i) / CS x	100				
Example C	alculation Run	13 (Low)						
D =	0.062	-	0.051	/	380	х	100	
D =	0.00							
Example C	alculation Run	13 (Mid)						
D =	186.9	-	187	/	380	х	100	
D =	-0.03							

13.3 Drift.

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

Particulate Laboratory Data Rest Assured Animal Cremations, LLC

24011-ST

Run 1

Filter Number	3953		
	Final Weight	0.3717	grams
	Tare Weight	0.3685	grams
	Difference	0.0032	grams
Beaker Number	1D		
	Final Weight	3.0721	grams
	Tare Weight	3.0673	grams
	Difference	0.0048	grams
Filter Blank Number	3956		
	Final Weight	0.3417	grams
	Tare Weight	0.3417	grams
	Difference	0.0000	grams
Acetone Wash Down			
	Volume of Rinse	125	mL
	Residue in Rinse (calculated) 5.0	6393E-06	mg/mg
	Total Residue in Rinse	0.0005	grams
Total Particulate Weight		0.0075	grams
Water Collected			
	Final Impinger Water	301	mL
	Initial Impinger Water	200	mL
	Final Silica Weight	208.9	grams
	Silica Tare Weight	200.0	grams
Total Water Collected		109.7	grams

Analyst Zachary Beatty

Particulate Laboratory Data Rest Assured Animal Cremations, LLC

24011-ST

Run 2

Filter Number	3954		
	Final Weight	0.3775	grams
	Tare Weight	0.3671	grams
	Difference	0.0104	grams
Beaker Number	2D		
	Final Weight	3.0696	grams
	Tare Weight	3.0671	grams
	Difference	0.0025	grams
Filter Blank Number	3956		
	Final Weight	0.3417	grams
	Tare Weight	0.3417	grams
	Difference	0.0000	grams
Acetone Wash Down			
	Volume of Rinse	125	mL
	Residue in Rinse (calculated) 5	.06393E-06	mg/mg
	Total Residue in Rinse	0.0005	grams
Total Particulate Weight		0.0124	grams
Water Collected			
	Final Impinger Water	314	mL
	Initial Impinger Water	200	mL
	Final Silica Weight	208.9	grams
	Silica Tare Weight	200.0	grams
Total Water Collected		122.7	grams

Analyst Zachary Beatty

Particulate Laboratory Data Rest Assured Animal Cremations, LLC

24011-ST

Run 3

Filter Number	3955	
	Final Weight	0.3594 grams
	Tare Weight	0.3426 grams
	Difference	0.0168 grams
Beaker Number	3D	
	Final Weight	3.0411 grams
	Tare Weight	3.0359 grams
	Difference	0.0052 grams
Filter Blank Number	3956	
	Final Weight	0.3417 grams
	Tare Weight	0.3417 grams
	Difference	0.0000 grams
Acetone Wash Down		
	Volume of Rinse	125 mL
	Residue in Rinse (calculated)	5.06393E-06 mg/mg
	Total Residue in Rinse	0.0005 grams
Total Particulate Weight		0.0215 grams
Water Collected		
	Final Impinger Water	391 mL
	Initial Impinger Water	200 mL
	Final Silica Weight	209.5 grams
	Silica Tare Weight	200.0 grams
Total Water Collected		200.2 grams

Analyst Zachary Beatty

Acetone Blank Calculations



METHOD 5—DETERMINATION OF PARTICULATE MATTER EMISSIONS FROM STATIONARY SOURCES 7.2 Sample Recovery. Acetone, reagent grade, ≤0.001 percent residue, in glass bottles, is required. Acetone from metal containers generally has a high residue blank and should not be used. Sometimes, suppliers transfer acetone to glass bottles from metal containers; thus, acetone blanks shall be run prior to field use and only acetone with low blank values (≤0.001 percent) shall be used. In no case shall a blank value of greater than 0.001 percent of the weight of acetone used be subtracted from the sample weight.

Constant Variables Used

Density of Acetone: Quantity of Blank:	789.9 mg/ml 200ml		
Beaker No.	1A		
Initial Weight of Beaker	3.1303	Beaker Final Weight -Beaker Initial Weight	
Final Weight of Beaker	3.1311	0.0008 g	
Residue from Blank	0.0008 g	Residue From Blank Multiplied by 1,000	
Conversion G>MG	0.8 mg	0.8 mg	
Quantity of Blank	200 ml		
Density of Acetone	789.9 mg/ml	Quantity Of Blank x Density of Acetone	
Total mg of Acetone	157980 mg of acetone	157980 mg	
Total mg of Acetone	157980 mg	Acetone mg Residue/Total mg of Acetone	
Acetone mg Residue	0.8 mg	0.00050639%	
Residue	0.0000050639 mg	Residue MUST be <.001%	

Attachment C - Process Data



Beatty Environmental Services, Inc.

Emission Control Device and Process Data Form

Company: US (Cremation Equipment		
Installation: Cren	natory	100 A.	
Type of Installation:	Slerra 300	A.K.A. US 7	5/300 Gen II
Type of Material Pro	cessed:Pig Remain	S	
Type of Fuel Used:	Propane		
Type of Pollution Co	ntrol System: Afterbu	Imer	
General Condition o	f Control Equipment: _	New	
Run No.	1	2	3
Start Time	08:20	09:55	11:20
Stop Time	09:23	10:58	12:23
Fuel gph	propane	piopane	Piopane
Date	2-2-2024	2-2-2024	2-2-2024
Process Rate(LBS)	79	129	130

2-2	n	
Signature:	Title:	esident
Printed Name: Luis LloReis	_ Report No	23011-ST

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



Beatty Environmental Services Inc.

RETENTION TIME CALCULATION

FACILITY:	Rest Assured Animal Cremations, LLC
MODEL:	US 75/300(Gen 2) AKA Sierra 300
DATE:	2/2/2024
STACK PRESSURE:	-0.05

Run 1	
Stack Flow Rate(ACFM)	1444
Secondary Chamber Volume(cu. Ft.)	42.5
Retention Time	1.77

Run 2	
Stack Flow Rate(ACFM)	1533
Secondary Chamber Volume(cu. Ft.)	42.5
Retention Time	1.66

Run 3	
Stack Flow Rate(ACFM)	1595
Secondary Chamber Volume(cu. Ft.)	42.5
Retention Time	1.60

Average	1.68

CALCULATION:

Retention Time = <u>Secondary Chamber Volume(cu. Ft) * 60</u> <u>Secondary Chamber Flow (ACFM)</u> **Attachment D - Calculations For Run 1**

CALCULATIONS FOR RUN 1 Rest Assured Animal Cremations, LLC

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Page 1 of 2

<u>STACK AREA</u> 3.1416 x (Diameter / 24)^2 3.1416 X (20.00 /24)^2 2.18 SQ.FT.

STACK PRESSURE

BAROMETRIC PRESSURE + (STATIC PRESSURE / 13.6) 30.04 + (-0.05 /13.6) 30.04 IN.HG

METER PRESSURE

BAROMETRIC PRESSURE + (ORIFICE PRESURE/13.6) 30.04 + (1.42 / 13.6) 30.14 IN.Hg

SAMPLE VOLUME

 17.64 X (Y) X METER VOLUME X METER PRESSURE / (METER TEMP. + 460)

 17.64 X
 0.9998 X
 40.908 X
 30.14 / (67.3 + 460)

 41.247
 STD.CU.FT.

WATER VAPOR VOLUME

0.04715 X WATER COLLECTED 0.04715 X 109.7

5.17 STD.CU.FT.

SAMPLE MOISTURE

100 X WATER VAPOR VOLUME / (WATER VAPOR VOLUME + SAMPLE VOLUME) 100 X 5.17 / (5.17 + 41.247) 11.14 %

SATURATION MOISTURE

100 X (VAPOR PRESSURE @ STACK TEMP. / STACK PRESSURE) 100 X (37848.6121 / 30.04)

100.00 %

STACK MOISTURE FRACTION

(THE LESSER OF SAMPLE MOISTURE OR SATURATION MOISTURE) / 100

0.111

DRY MOLECULAR WEIGHT OF STACK GAS

(0.28 X (100-%N2)) + (0.44 X %CO2) + (0.32 X %O2)

(0.28 X (100-(6.00 +	12.30))) + (0.44 X	6.00) + (0.32 X	12.30)
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29.45

CALCULATIONS FOR RUN 1 Rest Assured Animal Cremations, LLC

24011-ST

Page 2 of 2

MOLECULAR WEIGHT OF STACK GAS
MOLECULAR WEIGHT X (1 - MOISTURE) + (18 X MOISTURE)
29.45 $X(1 - 0.111) + (18 X 0.111)$
28.18
STACK VELOCITY
85.49 X CP X 60 X SQ.(^P) X SQ.(STACK TEMP + 460)/SQ.(STACK PRESSURE X MOLECULAR WT.)
85.49 X 0.840 X 60 X 0.118 X SQ.(967.1 + 460) / SQR(30.04 X 28.176)
662 FPM
VOLUMETRIC FLOW RATE (ACFM)
STACK AREA X STACK VELOCITY
2.18 X 662
1444 ACFM
VOLUMETRIC FLOW RATE (SCFM) DRY
17.64 X (ACFM) X STACK PRESSURE X (1-MOISTURE) / (STACK TEMP. + 460)
17.64 X 1444 X 30.04 X (1 - 0.111) / (967.1 + 460)
476 SCFM (DRY)
CONCENTRATION (gr/dsct)
Total Particulate Weight X 15.43 / Sample Volume
0.0075 X 15.43 / 41.25
0.0028
CONCENTED A TION (20) (20) (20) (20) (20) (20) (20) (20)
$\frac{\text{CONCENTRATION @7% O2 (gr/dsci)}}{\text{Concentration } 12.0 (200 - 200)}$
Concentration X 13.9 / $(20.9 - \%02)$
$0.0026 \times 15.9 / (20.9 - 12.504)$
0.0045
MASS EMISSION RATE (LBS /HR)
CONCENTRATION V (SCEM, DRV) V 60 / 7000
$0.0028 \qquad Y \qquad 476 \qquad Y.60 / 7000$
$0.0028 \qquad X \qquad 470 \qquad X \\ 0.01 \qquad I BS/HR$
0.01 LD0/111
PERCENT ISOKINETIC
$0945 \times (\text{STACK TEMP} + 460) \times \text{SAMPLE VOLUME X 60}$
. (STACK PRES. X VELOCITY X NOZZLE AREA X TEST TIME X (1-MOISTURE))
0.0945 X (967.08 + 460) X 41.25 X 6O
30.04 X 662 X 0.00306 X 60.00 X $(1-0.111)$
102 83 %

Attachment E - Calibration Data

ANNUAL METI	ER CALIBRAT	TION	METER NO	0.002047	ORIFICE S	ET NO. JC40	0-73											
BAROMETRI	DATE C PRESSURE	6/23/2023 29.91		Y= ^Ha=	0.9998 1.6830	MAX % VAI MAX % VAI	RIATION RIATION	1.9379% 2.6304%	PASS PASS									
CRITICAL ORI	FICE DATA				AMBIENT	AMBIENT	METER	METER	METER	METER								
ORIFICE SERIAL NO. 40 40 40 AVERAGE	ORIFICE K'FACTOR 0.2435 0.2435 0.2435	ACTUAL VACUUM 25.0 24.0 24.0	^H (IN H2O) 0.30 0.30 0.30	TIME (MIN.) 10 10 10	TEMP INITIAL 77 76 76	TEMP. FINAL 76 76 76	TEMP. INITIAL 81 81 81	TEMP. FINAL 81 81 81	READING INITIAL 880.000 883.207 886.388	READING FINAL 883.207 886.388 889.566	VM (CU.FT.) 3.2070 3.1810 3.1780	VM CORRECTED 3.1299 3.1046 3.1016	Ver STD 3.1443 3.1458 3.1458	Ver NOMINAL 3.1973 3.1958 3.1958	Y 1.0046 1.0133 1.0142 1.0107	VARIATION -0.0061 0.0026 0.0035 0.0107	^H (IN. H2O) 1.6652 1.6637 1.6637 1.6642	VARIATION 0.0010 -0.0005 -0.0005 0.0112
48 48 48 AVERAGE	0.3557 0.3557 0.3557	22.5 22.5 22.5	0.63 0.63 0.63	10 10 10	75 76 76	76 76 75	81 80 80	80 80 80	892.000 896.714 901.225	896.714 901.225 905.906	4.7140 4.5110 4.6810	4.6087 4.4143 4.5807	4.5975 4.5953 4.5975	4.6662 4.6684 4.6662	0.9976 1.0410 1.0037 1.0141	-0.0165 0.0269 -0.0104 0.0141	1.6372 1.6403 1.6387 1.6387	-0.0015 0.0015 0.0000 0.0263
55 55 55 AVERAGE	0.4616 0.4616 0.4616	21.5 21.5 21.5	1.10 1.10 1.10	10 10 10	76 76 76	76 76 76	80 79 78	79 78 78	907.800 913.996 920.185	913.996 920.185 926.376	6.1960 6.1890 6.1910	6.0759 6.0803 6.0879	5.9635 5.9635 5.9635	6.0583 6.0583 6.0583	0.9815 0.9808 0.9796 0.9806	0.0009 0.0002 -0.0011 0.0194	1.7022 1.7053 1.7069 1.7048	-0.0026 0.0005 0.0021 0.0130
63 63 63 AVERAGE	0.5916 0.5916 0.5916	20.0 20.0 20.0	1.80 1.80 1.80	10 10 10	76 76 76	76 76 76	78 78 78	78 78 78	927.502 935.332 943.216	935.332 943.216 951.000	7.8300 7.8840 7.7840	7.7128 7.7660 7.6675	7.6430 7.6430 7.6430	7.7645 7.7645 7.7645	0.9909 0.9842 0.9968 0.9906	0.0003 -0.0065 0.0062 0.0094	1.7005 1.7005 1.7005 1.7005	0.0000 0.0000 0.0000 0.0104
73 73 73 AVERAGE	0.8234 0.8234 0.8234	17.0 17.0 17.0	3.50 3.50 3.50	10 10 10	76 76 76	76 76 76	78 78 78	78 78 78	951.500 962.201 972.924	962.201 972.924 983.661	10.7010 10.7230 10.7370	10.5847 10.6064 10.6203	10.6376 10.6376 10.6376	10.8067 10.8067 10.8067	1.0050 1.0029 1.0016 1.0032	0.0018 -0.0003 -0.0016 0.0032	1.7069 1.7069 1.7069 1.7069	0.0000 0.0000 0.0000 0.0142
SEMI ANNUAL	CALIBRATIO	ON	DATE	12/19/202	3	BARG	OMETRIC	PRESSURE	30.15									
ORIFICE SERIAL NO. 55 55 55 AVERAGE or M	ORIFICE K' FACTOR 0.4616 0.4616 0.4616 Iax	ACTUAL VACUUM 18.0 18.0 18.0	^H (IN H2O) 1.1 1.1 1.1	TIME (MIN.) 10 10 10	AMBIENT TEMP INITIAL 65 65 66	AMBIENT TEMP. FINAL 65 66 66	METER TEMP. INITIAL 61 61 62	METER TEMP. FINAL 61 62 63	METER READING INITIAL 781.700 787.438 793.195	METER READING FINAL 787.438 793.195 798.969	VM (CU.FT.) 5.7380 5.7570 5.7740	VM CORRECTED 5.8732 5.8870 5.8930	Vcr STD 6.0740 6.0711 6.0682	Vcr NOMINAL 5.9958 5.9987 6.0015	Y 1.0342 1.0313 1.0297 1.0317	VARIATION 0.0536 0.0507 0.0491 0.45%	^H (IN. H2O) 1.7127 1.7127 1.7110 1.7121	VARIATION 0.0006 0.0005 -0.0011 0.17%
METER COMPA	ARISON CHE $Y_{qa} =$	C K (Yqa) Run 1 1.0052	Run 2 1.0204	Y _{qa} = Run 3 1.0073	(O / Vm) X Average 1.0109	C sqr(.319 x 7	Tm X 29 / (^Ha x (Pb +	· (Havg / 13.6	5) x Md)) X sq1	• ^H avg							
THERMOCOUF DATE	PLE CALIBRA 6/23/2023	TION			OMEGA H DATE	ANDHELD 4/8/2021	CALIBRA	TION										
ICE BOILING H2O OIL	TC-1 (DEG F) 30 212 409	AS THERMO (DE 3 2: 4(TM OMETER 3 <u>G F)</u> 32 12 09	1	ICE BOILING H2 OIL	TC-1 (DEG F) 30 209 405	AS THERM (D)	5TM 10METER <u>EG F)</u> 32 212 408										
NOZZLE CALIE DATE READINGS IN #20 PITOT TUBE	BRATION 2/2/2024 (IN.) 0.750 CP=.84	0.749 ACCORDIN	0.749 NG TO DESIC	AVERAGE 0.7493 GN SPECIFIC	CATIONS													

Beatty Environmental Stack Test Thermocouple Calibrations

Calibration Date : 2/2/2024 Calibration Device: ASTM Thermometer Calibrated By:Nicholas Decker, Beatty Environmental Services, Inc.

Device	Ambient Air
ASTM Thermometer	67
Dry Gas Meter Thermocouple	67
Filter Thermocouple	66
Filter Heater Thermocouple	67
Impinger Outlet Thermocouple	68
Stack Temp Thermocouple (5ft. Air Cooled)	67



Analyst: 10

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



CERTIFICATE OF ANALYSIS

CEM Grade Nitrogen

Customer: CGA: Customer PO #: Reference #: Certification Date: Expiration Date: Pressure, psig:	Beatty Environmental Services 580 20230016-BESG 122722WZ-BB 01/23/2023 01/23/2031 2000	Cylinder #:	EB0041079 EB0081276	EB0139719 EB0137715
Component Nitrogen 02 H2O THC CO2 CO NOx SO2	<u>Certified Concentration</u> ≥ 99.9995% < 0.5 ppm < 1.0 ppm < 0.1 ppm < 0.5 ppm < 0.5 ppm < 0.1 ppm < 0.1 ppm < 0.1 ppm			
Instrument/ Model Illinois/ 3000 Mecco/ Waterboy LP2 Gow-Mac/ 23-500 Micro GC/ Agilent Horiba/ VA-5001 CAI/ 600 Horiba/ VIA-510	Serial Number 30-0319 14469 K35606 US020002031 M9GW8GMX Y09003 MAID39C8	Last Date Calibrated 1/2/2023 1/2/2023 1/23/2023 1/23/2023 1/23/2023 1/23/2023 1/23/2023 1/23/2023	Analytical M Electrochem Electrolytic Flame Ioniza Thermal Cor Non-Dispers Chemilumine Non-Dispers	Nethod lical ation Detector nductivity ive Infrared escence ive Infrared

This report states accurately the results of the investigation made upon the material submitted to the analytical laboratory. Every effort has been made to determine objectively the information requested. However, in connection with this report, Global Calibration Gases LLC shall have no liability in excess of the established charge for this service. These materials comply with the requirements for emission testing per 40CFR1065.750.

Produced by:

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

Analyst: Signature on file

Approved for release: 01/23/2023



EPA Protocol

Gas Mixture

Customer: Beatty Environmental Services	Reference #:	062123WZ-10
CGA: 590	Certification Date:	06/29/2023
Customer PO #: BES2300214	Expiration Date:	06/29/2031
Cylinder #: EB0058583	Pressure, psig:	2000

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

Components Carbon Dioxide Oxygen Nitrogen	Requested Concentration 9% 12% Balance	Certified Concentration 9.00% 12.00% Balance	Expanded Uncertainty (rel) 0.8% 0.7%	Assay Dates 06/29/23 06/29/23	
Reference Standard	Cylinder #	Concentration	Expanded Uncertainty (rel)	Expiration Date	
Carbon Dioxide/ GMIS	CC105858	11.99%	0.5%	10/20/28	
Carbon Dioxide/ SRM	CAL016053	15.63%	0.2%	02/07/25	
Oxygen/ GMIS	EB0047724	12.53%	0.5%	11/08/27	
Oxygen/ SRM	CAL015787	20.72%	0.2%	08/23/21	
Instrument/ Model	Serial Number	Last Date Calibra	ated Analytical Met	hod	
Micro GC/ Inficon	70094393	6/29/2023	Thermal Condu		
Teledyne 3000MA	345133	6/29/2023	Paramagnetic		

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

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

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

Produced and assayed by:

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

Analyst: Signature on file

Approved for release: 06/29/2023







Cylinder Number: Product ID Number: Cylinder Pressure: COA # Customer PO. NO.: Customer:	EB0052408 130047 1900 PSIG EB0052408.20211214-0	Certifi Expire MFG F Lot Nu Tracki	cation Date: ation Date: Facility: umber: ing Number: bus Certification Dates:	12/22 12/20 - Shr EB00 07420	12/22/2021 12/20/2029 - Shreveport - LA EB0052408.20211214 074202283				
	This calibration standard has been ce	ertified per the May 2012 E using procedu	PA Traceability Protocol, D ire G1.	ocument EPA-600/	R-12/531,				
	Do Not L	Jse This Cylinder Below	100 psig (0.7 Megapascal).					
		Certified Conce	ntration(s)						
Component	Concentration	Uncertainty	Analytical Principle	•	Assayed Or	า			
Carbon Dioxide	16.60 %	±0.05 %	NDIR		12/22/202	1			
Oxygen	22.0 %	±0.12 %	MPA		12/21/202	1			
Nitrogen	Balance								
	Ar	nalytical Measurement Da	ata Available Online.						
		Reference Sta	ndard(s)						
Serial Number	Lot Expiration	Type Balance	e Component	Concentration	Uncertainty(%)	NIST Reference			

EPA PROTOCOL GAS CERTIFICATE OF ANALYSIS

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

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

This is to certify the gases referenced have been calibrated/tested, and verified to meet the defined specifications. This calibration/test was performed using Gases or Scales that are traceable through National Institute of Standards and Technology (NIST) to the International System of Units (SI). The basis of compliance stated is a comparison of the measurement parameters to the specified or required calibration/testing process. The expanded uncertainties use a coverage factor of k=2 to approximate the 95% confidence level of the measurement, unless otherwise noted. This calibration certificate

applies only to the item described and shall not be reproduced other than in full, without written approval from Red Ball

Technical Gas Services. If not included, the uncertainty of calibrations are available upon request and were taken into account

when determining pass or fail.

CI	M	Λ	D	т	~		D	т
	VI.	-	~		-1.2	-	•	



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



EPA Protocol

Gas Mixture

Customer:	Beatty Environmental Services	Reference #:	012323WZ-9
CGA:	660	Certification Date:	02/08/2023
Customer PO #:	20230016-BESG	Expiration Date:	02/08/2031
Cylinder #:	223503028	Pressure, psig:	2000
		1	

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

Components Nitric Oxide NOx Carbon Monoxide Nitrogen	Requested Concentration 185ppm 185ppm 185ppm Balance	Certified Concentration 186.4ppm 188.0ppm 185ppm Balance	Expanded Uncertainty (rel) 1.0% 1.0% 1.1%	Assay Dates 02/01/23, 02/08/23 02/01/23, 02/08/23 02/01/23
Reference Standard	Cylinder #	Concentration	Expanded Uncertainty	Expiration Date
Nitric Oxide/ GMIS	EB0055162	195.6ppm	0.8%	10/30/23
NOx/ GMIS	EB0055162	196.5ppm	0.8%	10/30/23
Nitric Oxide/ SRM	CAL017400	244.5ppm	0.5%	11/02/15
NOx/ SRM	CAL017400	244.7ppm	0.5%	11/02/15
Carbon Monoxide/ GI	MIS GN0000161	251.0ppm	0.5%	11/27/27
Carbon Monoxide/ SF	RM FF30742	247.1 ppm	0.2%	04/13/24
Instrument/ Model	Serial Number	Last Date Calibr	ated Analytical Met	thod
CAI/ 600	Y09003	2/8/2023	Chemilumineso	cence
Horiba/ VA-5001	M9GW8GMX	2/1/2023	Non-Dispersive	Infrared

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

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

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

Produced and assayed by:

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

Analyst: Signature on file

Approved for release: 02/08/2023



EPA Protocol

Gas Mixture

Customer:	Beatty Environmental Services	Reference #:	012323WZ-8	
CGA:	660	Certification Date:	02/08/2023	
Customer PO #:	20230016-BESG	Expiration Date:	02/08/2031	
Cylinder #:	222303046	Pressure, psig:	2000	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

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

Components Nitric Oxide NOx Carbon Monoxide Nitrogen	Requested Concentration 375ppm 375ppm 375ppm Balance	Certified Concentration 366.3ppm 369.2ppm 380ppm Balance	Expanded Uncertainty (rel) 0.8% 0.8% 0.8%	Assay Dates 02/01/23, 02/08/23 02/01/23, 02/08/23 02/01/23
Reference Standard Nitric Oxide/ GMIS NOx/ GMIS Nitric Oxide/ SRM NOx/ SRM Carbon Monoxide/ GM Carbon Monoxide/ SF	Cylinder # GN0000305 GN0000305 CAL015880 CAL015880 AIS GN0000161 RM FF30742	Concentration 393.0ppm 393.7ppm 782.4ppm 785.7ppm 251.0ppm 247.1 ppm	Expanded Uncertainty 0.6% 0.6% 0.4% 0.5% 0.2%	Expiration Date 09/14/26 09/14/26 01/09/19 01/09/19 11/27/27 04/13/24
Instrument/ Model CAI/ 600 Horiba/ VA-5001	Serial Number Y09003 M9GW8GMX	Last Date Calibra 2/8/2023 2/1/2023	ated Analytical Me Chemilumines Non-Dispersive	thod cence e Infrared

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

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

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

Produced and assayed by:

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

Analyst: Signature on file

Approved for release: 02/08/2023

Nozzle Calibration

Nozzle ID	#20
A =	0.750
B =	0.749
C =	0.749
Average	0.7493



Calibrated by

10

PITOT CALIBRATION

(Type S Pitot Tube Inspection)



Certification

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

Certified by:

Date

6/23/2023

Attachment F - Project Participants

Project Participants

Beatty Environmental Services, Inc.

Daniel R. Beatty Project Director

Nicholas Decker Field Manager(Method 5 Console, Method 3A/10)

> Jeffery Rutledge Field Technician I(Probe Technician)

> > Zachary Beatty Director of Operations

US Cremation Equipment

Luis Llorens President / EPA Method 9 Observer

901 N Ware Rd

Google Maps

Texas Wellness Crematory Site



Map data ©2025 Google 200 ft L
Process Flow Diagram

Animal Crematory Model US 75/300 Gen II AKA Sierra 300



US Cremation Equipment Model US 75/300 Gen II Animal Crematory

Equipment	Pounds Incinerated	Hours Per	SO2	SO2	SO2	Nox	Nox	Nox	тос	тос	тос	РМ	PM	CO	CO
	Per Hour (Average)	Year	lb/ton	lb/hr	TPY	lb/ton	lb/hr	TPY	lb/ton	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
US 75/300	75	8760	2.5	0.09375	0.410625	3	0.1125	0.49275	3	0.1125	0.49275	0.26	1.14	0.38	1.66

CO=100 PPM @ 7% O2 based on manufacturers warranty

PM = 0.08 gr/dscf based on manufacturers warranty

US 75/300, CO is calculated as follows:

75 lb/hr x 1E+01 lb/ton x 1 ton/2000 lbs = 0.38 lbs/hr CO 0.38 lb/hr CO x 8760 hrs/yr x 1 ton/2000 lbs = 1.66 TPY CO

US 75/300, PM is calculated as follows:

75 lb/hr x 7E+00 lb/ton x 1 ton/2000 lbs = 0.26 lbs/hr PM 0.26 lb/hr PM x 8760 hrs/yr x 1 ton/2000 lbs = 1.14 TPY PM



Standard Permit Application Texas Wellness Spay & Neuter Clinic 901 North Ware Road McAllen, TX 78501 Hidalgo County

Prepared By:

AI Environmental Consulting Services, Inc./U.S. Cremation Equipment 2814 Silver Star Road, Suite 201-D Orlando, Florida 32808 Phone 321-282-7357 Email AI@CFL.RR.COM

April 2025

Application Information and Notes

Project Description:

The intent of this application is to obtain a standard permit for Installation of a new U.S. Cremation Equipment model US 75/300 aka Sierra 300 animal Crematory to be installed at Texas Wellness Spay & Neuter Clinic located at 901 North Ware Road, McAllen, TX 78501, Hidalgo County. This is a new crematory at a new facility and meets the 50ft setback requirements for a standard permit.

Compliance History:

Stack Sampling Ports & Facilities: Stack testing of the crematory is not expected to be required based on identical source stack testing results. US 75/300 aka Sierra 300 Criteria pollutant emission estimates are based on AP-42 Table 2.1-12, Uncontrolled Emission Factors for Refuse Combustors Other Than Municipal Waste.

Protection of Public Health and Welfare:

Based on similar source stack test and manufacturer supplied data, the emissions from the proposed facility will comply with the rules and regulations of the Commission, including protection of the health and physical property of the people.

Title 40 CFR Part 60: The source is not applicable to NSPS. Title 40 CFR Part 61: The source is not applicable to NESHAP. Title 40 CFR Part 63: The source is not applicable to MACT.

Performance Demonstration:

Stack testing of the crematory is not expected to be required.

In accordance with TCEQ Rule 111.121(1), the PM emission concentration should be less than 0.08 gr/dscf, corrected to 7% O2 (total PM 0.16 gr/dscf), based on the similar source stack test included in Appendix IV. In accordance with TCEQ Rule 111.121(3), the CO emission concentration will not exceed 100 ppm by volume (dry basis), corrected to 7% O2, based on the similar source stack test included.

Nonattainment review:

Emission levels are not of the magnitude to trigger nonattainment review. Prevention of Significant Deterioration (PSD) review: Due to the emission levels PSD is not applicable. Air Dispersion Modeling:

Based on the emission levels and nature of the surrounding environment, dispersion modeling is not warranted.

Hazardous Air Pollutants (HAPs):

Emission of HAPs from the cremation of animal cremators are insignificant.

It is the intent of Texas Wellness Spay & Neuter Clinic Crematory to comply with applicable portions of 30 TAC Chapter 116 "Control of Air Pollution by Permits for New Construction or Modifications". Additional information pertaining to compliance with 30 TAC Chapter 116 is provided below:

30 TAC Chapter 116.112 does not apply to this facility.

30 TAC Chapter 116.115 "General and Special Conditions"

It is the intent of Texas Wellness Spay & Neuter Clinic to comply with the applicable permit General Conditions and those Special Conditions, which have been reviewed by our air, permit engineer and have been deemed absolutely necessary by the TCEQ.

30 TAC Chapter 116.116 "Changes to Facilities"

It is the intent of Texas Wellness Spay & Neuter Clinic to comply with the applicable portions of 30 TAC Chapter 116.116 should changes to the facility are proposed.

<u>30 TAC Chapter 116.117 "Documentation and Notification of Changes to Qualified Facilities"</u> It is the intent of Texas Wellness Spay & Neuter Clinic to comply with the applicable portions of 30 TAC Chapter 116.117 should proposed changes fall within the definition of Qualified Facilities in 30 TAC Chapter 116.116(e).

30 TAC Chapter 116.118 "Pre-change Qualification"

Should facility conditions exist and facility changes are proposed which require the facility to obtain pre-change qualifications, it is the intent of Texas Wellness Spay & Neuter Clinic to comply with the applicable portions of 30 TAC Chapter 116.118.

It is the intent of Texas Wellness Spay & Neuter Clinic to comply with the applicable portions of 30 TAC Chapters 111, 112, 113, 115, 117, 118, and 122.

Chapter 111 Control of Air Pollution from Visible Emissions and Particulate Matter

Particulate emissions shall not exceed 0.18 gram per dry standard cubic meter (g/dscm) or 0.08 grains per dry standard cubic foot (gr/dscf), front-half of sampling train only, when corrected for 7.0% oxygen (O2) in the stack gas according to the formula. Carbon monoxide (CO) emissions shall not exceed 100 parts per million by volume dry basis, when corrected to 7.0% O 2 in the stack gas. Oxygen content shall be maintained at greater than 4.0% by volume of the emissions of the incinerator, measured at the exit of the incinerator. Visible emissions shall not exceed opacity of 5.0% averaged over any six-minute period.

Based on the Source Emission Test Report the model US 75/300 aka Sierra 300 can maintain a Secondary Combustion Chamber temperature in excess of 1800 degrees Fahrenheit and 1.0 second residence time during actual conditions. Actual operating temperature shall be from 1400^{0} F to 1600^{0} F.

The source does not burn Hazardous Waste Fuels.

RULE §111.127 Monitoring and Record keeping Requirements

A Partlow MRC 5000 chart recorder or equivalent is going to record the secondary chamber temperature.

Chapter 112 Control of Air Pollution from Sulfur Compounds

Chapter 112 Control of Air Pollution from Sulfur Compounds is not applicable to this source.

Chapter 113 Standards of Performance for HAPs and for Designated Facilities

Chapter 113 Standards of Performance for HAPs and for Designated Facilities and pollutants is not applicable to this source. Animal crematories are not one of the designated sources under Subchapter D Designated Facilities and Pollutants.

Chapter 115 Control of Air Pollution from Volatile Organic Compounds

Chapter 115 Control of Air Pollution from Volatile Organic Compounds is not applicable to this source.

Chapter 117 Control of Air Pollution from Nitrogen Compounds

Chapter 117 Control of Air Pollution from Nitrogen Compounds is not applicable to this source. An animal crematory is not considered a water heater, small boiler, or process heater as they are defined in Subchapter D Small Combustion Sources.

Chapter 122 Federal Operating Permits

This source is not a Major Source of air pollution or a Synthetic Minor Source of air pollution. It is a minor source of air pollution, which may be applicable to TCEQ rules and regulations. Chapter 122 Federal Operating Permits is not applicable to this source as the source does not need to limit it's potential to emit.

Distribution - Copies of the Application were file using TCEQ STEERS software.

Texas Commission on Environmental Quality

Standard Permit New Registration

Site Information (Regulated Entity)

What is the name of the site to be authorized? Does the site have a physical address? Because there is no physical address, describe how to locate this site: City State ΖIΡ County Latitude (N) (##.######) Longitude (W) (-###.######) Primary SIC Code Secondary SIC Code Primary NAICS Code Secondary NAICS Code **Regulated Entity Site Information** What is the Regulated Entity's Number (RN)? What is the name of the Regulated Entity (RE)? Does the RE site have a physical address? **Physical Address** Number and Street City State ΖIΡ County Latitude (N) (##.######) Longitude (W) (-###.######) Facility NAICS Code What is the primary business of this entity?

TEXAS WELLNESS SPAY & NEUTER

No 901 North Ware Road, McAllen, Texas 78501 across the street from their current location. Mc Allen TX 78501 HIDALGO 26.215989 -98.259825 7261

RN111402095 TEXAS WELLNESS SPAY & NEUTER Yes

900 N WARE RD MCALLEN TX 78501 HIDALGO 26.215989 -98.259825

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN605971753
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Wellness On Wheelz: A Mobile Veterinary Clinic PLLC
Texas SOS Filing Number	802052606
Federal Tax ID	
State Franchise Tax ID	32055005444
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	Wellness On Wheelz: A Mobile Veterinary Clinic PLLC
Prefix	MR
First	Justin
Middle	
Last	Valinski
Suffix	
Credentials	
Title	CFO
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	900 N WARE RD
Routing (such as Mail Code, Dept., or Attn:)	
City	MCALLEN
State	ТХ
ZIP	78501
Phone (###-###-####)	9566382970
Extension	
Alternate Phone (###-###-####)	
Fax (###-####-####)	
E-mail	matt@wellnessonwheelz.com

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	CN605971753, Wellness On Wheelz: A Mobile Veterinary Clinic PLLC
Organization Name	Wellness On Wheelz: A Mobile Veterinary Clinic PLLC
Prefix	MR
First	Justin
Middle	
Last	Valinski
Suffix	
Credentials	
Title	CFO
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	900 N WARE RD
Routing (such as Mail Code, Dept., or Attn:)	

City	MCALLEN
State	ТХ
ZIP	78501
Phone (###-####-####)	9566382970
Extension	
Alternate Phone (###-#####)	
Fax (###-#####)	
E-mail	justin@buildonceconstruction.com

Technical Contact

Responsible Official Contact
Wellness On Wheelz: A Mobile Veterinary Clinic PLLC
MR
Justin
Valinski
CFO
Domestic
900 N WARE RD
MCALLEN
ТХ
78501
9566382970
justin@buildonceconstruction.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
 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

1) Please attach one PDF with the PI-1S and all required documents to complete the project. [File Properties] File Name 10370 PI-1S twsnc.docx 011CBB2975739BEC697FC02E3267E8465FEF35E5E001DF9A9F9C6EFA3A4EB901 Hash MIME-Type application/vnd.openxmlformatsofficedocument.wordprocessingml.document Confidential No [File Properties] File Name Application Covers TWSNC 022525 901.pdf D51C10D9A21F02C71A080205065347AD3E27366EBE74AA6B0FD1F20585B65934 Hash **MIME-Type** application/pdf Confidential No [File Properties] File Name CORE DATA TWSNC 10400 rev.docx Hash 9840EA9F74D5C04AF66227960F886708D5C0BB671A06FD2C28A1E973DD4D7777 **MIME-Type** application/vnd.openxmlformatsofficedocument.wordprocessingml.document Confidential No 2) Please attach any other necessary information needed to complete the registration. [File Properties] File Name 2024-02-02 US Cremations Equipment- Manufacturing Facility 24011-ST.pdf DDB23D505876D5F50D72FFAAA93758C512E6DC57DA88A05754E1429673A44B99 Hash **MIME-Type** application/pdf Confidential No [File Properties] File Name 75 300 Gen II Flyer SIERRA 300.pdf 0F6BADEF84E29189EF747F4E5109AAAFF1FBA97A50120C3AF2071E20F777B3DC Hash MIME-Type application/pdf Confidential No [File Properties] 901 N Ware Rd - Google Maps.pdf 90B165377E512784A8EF0D811567C762F697F7684CBB893FBB32CDD8539B37B6 Hash MIME-Type application/pdf Confidential No [File Properties] File Name Emissions Sierra 300.pdf Hash CA7A91F06BE7E6542ED0919B1B7FBC4215F3269DCDBEE2E303363D5B3DEDA21D **MIME-Type** application/pdf Confidential No [File Properties]

File Name		<a href="/ePermitsExternal/faces/file?<br">fileId=249607>Google Earth Updated 040325.pdf						
Hash	DCD6705904DE6ED7270B697A23A2252B26A12CA4A82FF7F5A1553DEE6C7CF8AC							
MIME-Type	application/pdf							
Confidential		No						
[File Properties]								
File Name		<a href="/ePermitsExternal/faces/file?<br">fileId=242636>Process Flow Diagram animal.pdf						
Hash	47168F23BA5CA09FC0F459B1408	324C7227B0BE57090212B72A994503B433E7A6						
MIME-Type		application/pdf						
Confidential		No						
[File Properties]								
File Name		<a href="/ePermitsExternal/faces/file?<br">fileId=242633>US 75300 Animal Specs gen2 070722.pdf						
Hash	A6EE699C895D34BCC0A783354A27	790C5321402A9E3FED66E368722CD79C1CF8E						
MIME-Type		application/pdf						
Confidential		No						
[File Properties]								
File Name		<a href="/ePermitsExternal/faces/file?<br">fileId=242634>USCE-75300-S300-ELEV- ASSY.pdf						
Hash	075FA52BE31E48FF14B8E2F75B8	CD446C018E141F41A684F1342C65FF986B79D						
MIME-Type		application/pdf						
Confidential		No						

Expedite

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?

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.

No

- 1. I am Matthew Colton, the owner of the STEERS account ER113020.
- 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 enforcemer 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 TCEC

OWNER OPERATOR Signature: Matthew Colton OWNER OPERATOR

Account Number:	ER113020
Signature IP Address:	184.92.85.122
Signature Date:	2025-04-25
Signature Hash:	4D5B6EAABFA08E3EE05C28128F6067ECB7FCCB62C86224A9A1E5313C0911B4AB
Form Hash Code at time of Signature:	1D2421AA8BCEE94952D72524E9EEFA109B5DE37EE58A358F8984A1766EA1D908

Fee Payment

Transaction by:	The application fee payment transaction was made by ER113020/Matthew Colton
Paid by:	The application fee was paid by MATTHEW COLTON
Fee Amount:	\$900.00
Paid Date:	The application fee was paid on 2025-04-25
Transaction/Voucher number:	The transaction number is 582EA000665431 and the voucher number is 764023

Submission

Reference Number:	The application reference number is 763941
Submitted by:	The application was submitted by ER113020/Matthew Colton
Submitted Timestamp:	The application was submitted on 2025-04-25 at 10:16:09 CDT
Submitted From:	The application was submitted from IP address 184.92.85.122
Confirmation Number:	The confirmation number is 648969
Steers Version:	The STEERS version is 6.90

Additional Information

Application Creator: This account was created by Luis Llorens



TCEQ Core Data Form

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

SECTION I: General Information

			lation									
1. Reason fo	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	Referenc	e Number <i>(if is</i> s	sued)	Follow	v this link	to sea	arch	3. Re	gulate	ed Entity Reference	e Number <i>(i</i>	if issued)
CN				for CN Ce	<u>l or RN n</u> entral Reg	numbe gistry*	<u>rs in</u> -	RN				
SECTION II: Customer Information												
4. General Cu	ustomer l	nformation	5. Effective	Date f	or Cust	tomer	r Inforr	natior	ı Upda	ates (mm/dd/yyyy)	02/25/	/25
New Cust	omer Legal Nar	me (Verifiable wit	h the Texas S	Update Secretar	to Cust y of Sta	omer ite or	Inform Texas	ation Comp	roller	Change in of Public Accounts)	Regulated E	Entity Ownership
The Custo	mer Nan	ne submitted	here may l	be upo	dated	auto	matic	ally	base	d on what is cu	rrent and	active with the
Texas Sec	retary of	f State (SOS)	or Texas C	compti	roller	of Pı	ublic /	Ассо	unts	(CPA).		
6. Customer	Legal Nar	me (If an individua	l, print last nam	e first: e	g: Doe, .	John)		<u>If</u>	new C	Customer, enter previ	ious Custome	er below:
Texas We	llness S	pay & Neute	r Clinic, Ir	nc.								
7. TX SOS/CI	PA Filing	Number	8. TX State	Tax ID (11 digits)			9	9. Federal Tax ID (9 digits)			10. DUNS Number (if applicable)	
80205260	6						8	81-5351340				
11. Type of C	Sustomer:	🖂 Corporat	ion	Individual				Partnership: 🔲 General 🛄 Limited				
Government:	City 🗌 🤇	County 🔲 Federal [] State 🗌 Othe	r		Sole P	ropriet	orship		Other:		
12. Number o	of Employ] 21-100	rees	251-500		501 and	d high	er	1	3. Inde ⊴ Yes	ependently Owned	l and Opera	ted?
14. Custome	r Role (Pro	oposed or Actual) -	- as it relates to	the Reg	gulated E	Entity li	isted on	this fo	rm. Ple	ease check one of the	following	
⊠Owner		🗌 Opera	tor		Ow	/ner &	Opera	ator				
	nal Licens	ee 🗌 Respo	onsible Party		🗌 Vol	luntar	y Clear	nup Ap	plican	nt Other:		
	900 N	orth Ware Ro	bad									
15. Mailing Address:												
/ laureoor	City	McAllen		S	tate	ΤX		ZIP	785	501	ZIP + 4	3517
16. Country I	Mailing In [.]	formation (if outsi	ide USA)				17. E	-Mail	Addre	SS (if applicable)		•
18. Telephon	e Numbe	r		19. Ex	xtensio	n or (Code			20. Fax Numbe	r (if applical	ble)
(956) 638-2970 () +-												

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.)

Texas Wellness Spay & Neuter Clinic, Inc.

23. Street Address of								
the Regulated Entity:	901 North Ware Road							
(NO PO Boxes)	City	McAllen	State	TX	ZIP	78501	ZIP + 4	3517
24. County	Hidalgo)						
	E	Enter Physical I	Location Descrip	otion if no s	treet addre	ss is provided.		
25. Description to Physical Location:								
26. Nearest City						State	Ne	arest ZIP Code
To the southwest by	y Granje	no; to the we	est by Mission	n, Palmhı	ırst,			
and Alton; to the no	orth by E	dinburg, the	Hidalgo cou	nty seat;	to the	TX		
east by Pharr; and t	o the sou	th by Hidal	g0.					
27. Latitude (N) In Decim	nal:			28.	Longitude	(W) In Decimal:		
Degrees	Minutes		Seconds	Degi	rees	Minutes		Seconds
26		12	58.13		98		15	39.45
29. Primary SIC Code (4	digits) 30	Secondary SI	C Code (4 digits)	31. Prim (5 or 6 dig	ary NAICS	Code 32. (5 or	Secondary NA 6 digits)	AICS Code
	07	/51				812	2220	
33. What is the Primary	Business o	of this entity?	(Do not repeat the S	IC or NAICS de	scription.)			
Animal Cremation								
				900 No	orth Ware F	Road		
34. Mailing								
Address:	City	Mcallen	State	ТХ	ZIP	78501	ZIP + 4	3517
35. E-Mail Address:				·	·			
36. Telepho	one Numbe	r	37. Extens	ion or Code	9	38. Fax N	umber <i>(if app</i>	licable)
(979) 9	68-3535					(9	79)635-4501	
9. TCEQ Programs and ID	Numbers	Check all Program	ns and write in the p	permits/registr	ation numbe	rs that will be affecte	d by the update	s submitted on this
Dam Safety	Distric	its	Edwards Ad	quifer	🗌 Emis	sions Inventory Air	Industri	al Hazardous Waste
•	1					-		
Municipal Solid Waste	/unicipal Solid Waste ⊠ New Source Review Air [OSSF		Petro	leum Storage Tank	D PWS	
Sludge	Storm	Water	Title V Air		Tires		Used C	il
Voluntary Cleanup	U Waste	Water	U Wastewate	r Agriculture	U Wate	r Rights	Other:	

SECTION IV: Preparer Information

40. Name:	Luis Lloren	IS		41. Title:	President
42. Tele	phone Number	43. Ext./Code	44. Fax Number	45. E-Mail	Address
(407)	923-3945		(321) 282-7358	ai@cfL.1	T.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: Texas Wellness Spay & Neuter Clinic, Inc. Job	CFO
--	-----

Name (In Print):	Justin Valinski	Phone:	(701) 215- 1010
Signature:		Date:	

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

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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: <u>https://www.tceq.texas.gov/permitting/air/forms/newsourcereview/nsr_sp_forms.html</u>. 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:

https://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. The 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 at

https://www.tceq.texas.gov/assets/public/permitting/air/factsheets/permit-factsheet.pdf.

ePermits: The TCEQ now requires the use of the online TCEQ e-Services system at <u>www.tceq.texas.gov/e-services</u> 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 <u>www3.tceq.texas.gov/steers/</u>. For help with ePermits refer to the TCEQ STEERS ePermits Help web page at <u>www3.tceq.texas.gov/steers/help/epr/eprmain.html</u>. 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 <u>APIRT@tceq.texas.gov</u> 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) at <u>www.tceq.texas.gov/assets/public/permitting/air/airapp-contacts.pdf</u>.

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 www.sos.state.tx.us. The 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 the 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, the TCEQ may request a map showing the location of the facility during the review of the standard permit registration.

Enter the latitude and longitude coordinates in degrees, minutes, and nearest second (DDD:MM:SS) or in decimal form for the street address or the destination point of the driving directions. Latitude indicates the angular distance of a location north of the equator and will always be between 25 and 37 degrees north (N) in Texas. Longitude indicates the angular distance of a location west of the prime meridian and will always be between 93 and 107 degrees

west (W) in Texas. For help obtaining the latitude and longitude, you may view USGS maps, county maps prepared by the Texas Department of Transportation, or an online software application such as Google Earth.

- **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 the TCEQ and;
 - 2. No Core data information has changed.

Note: The Core Data Form is required for Standard Permits 6006, 6007, and 6013, 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 the 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 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 <u>www.tceq.texas.gov/permitting/air/nav/standard.html</u>.

Standard Permit	Description
6001	Pollution Control Projects
6002	Oil and Gas Facilities
6005	Electric Generating Unit
6007	Permanent Hot Mix Asphalt Plants Temporary Hot Mix Asphalt Plants
6009	Animal Carcass Incinerator
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

- **G. Previous Standard Exemption or 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 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 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 122, a FOP application is required. Check the appropriate box if you are submitting a GOP or SOP application or revision application. Guidance on submitting these applications is available on the Guidance for Title V Operating Permits web page at www.tceg.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 General Operating Permit (GOP) or Site Operating Permit (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-S 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 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 the 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 the 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 https://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 <u>www.epa.gov/air-</u><u>emissions-factors-and-quantification/ap-42-compilation-air-emission-factors</u>) 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 Sections 116.610 and 116.615,
 - Emission limitations¹ of 30 TAC 106.261 or 30 TAC 106.262, and
 - Individual requirements of the specific standard permit.

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

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

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

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

Alternate material flows and changes in routing of emissions during periods of planned 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/assets/public/permitting/air/Forms/NewSourceReview/Tables/10153tbl.pdf.

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 <u>airperm@tceq.texas.gov</u> 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 the TCEQ or the Office of the Attorney General on behalf of the 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.htmlhttps://www.tceq.texas.gov/agency/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 <u>www2.tceq.texas.gov/airperm/index.cfm?fuseaction=airpermits.start</u>. 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 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: https://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.

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

I. Registrant Information						
A. Company or Other Legal Cus	Company or Other Legal Customer Name: Texas Wellness Spay & Neuter Clinic, Inc.					
B. Company Official Contact Info	ormation (X Mr.	. 🗌 Mrs. 🗌 Ms. 🗌 Ot	her:)			
Name: Justin Valinski						
Title: CFO						
Mailing Address:900 North Ware R	oad					
City: McAllen	State: TX		ZIP Code: 78501-3517			
Phone: 956-638-2970	1	Fax:				
Email Address: matt@wellnessonw	<u>/heelz.com</u> , justi	n@buildonceconstruct	tion.com			
All permit correspondence will be s	ent via email.					
C. Technical Contact Informatior	ת (🛛 Mr. 🗌 Mrs	s. 🗌 Ms. 🗌 Other:)				
Name: Luis Llorens						
Title: President/Project Manager						
Company Name:AI Environmental	Consulting Servi	ices, Inc./U.S. Cremati	on Equipment			
Mailing Address: 2814 Silver Star F	Road, Suite 201-	·D				
City:Orlando	State: Fl		ZIP Code: 32807			
Phone:407-923-3945		Fax: 321-282-7358				
Email Address: ai@cfL.rr.com	I					
II. Facility and Site Informati	on					
A. Name and Type of Facility – A	Animal Crematio	on facility				
Facility Name: Texas Wellness Spa	ay & Neuter Clini	ic				
Type of Facility:						
For portable units, please provide the	he serial numbe	r of the equipment beir	ng authorized below.			
Serial No: NA		Serial No: NA				

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

II. Facility and Site Informatio	n <i>(continued)</i>				
B. Facility Location Information					
Street Address: 901 North Ware Roa	ad				
If there is no street address, provide county, and ZIP code for the site (att	written driving c ach description	lirections to the site a if additional space is	nd provide the cloned	osest city or town,	
City: McAllen	County: Hidalg	0	ZIP Cod	e:78501-3517	
Latitude (nearest second):26 12' 58.	13"N	Longitude (neares	t second):98 15'	39.45" W	
C. Core Data Form (required for	Standard Permi	ts 6006, 6007, and 60	13).		
Is the Core Data Form (TCEQ Form	10400) attached	d?	🖂 Yes	🗌 No	
If "No," provide customer reference r	number (CN) an	d regulated entity nun	nber (RN) below.		
Customer Reference Number (CN):					
Regulated Entity Number (RN):					
D. TCEQ Account Identification N	umber (if known	n):			
E. Type of Action:					
🖂 Initial Application 🛛 🗌 Change	e to Registration	Renewal	🗌 Renewa	Certification	
For Change to Registration, Renewa	al, or Renewal C	ertification actions pro	ovide the following	g:	
Registration Number:		Expiration Date:			
F. Standard Permit Claimed:6009)				
G. Previous Standard Exemption	or PBR Registra	ation Number:			
Is this authorization for a change to a standard exemption or PBR?	Is this authorization for a change to an existing facility previously authorized under a Standard exemption or PBR?				
If "Yes," enter previous standard exemption number(s) and PBR registration number(s) and associated effective date in the spaces provided below.					
Standard Exemption and PBR Reg	gistration Num	per(s)	Effective Date		

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

II. Facility and Site Information (continued)						
 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), and Stand number(s), and associated effective date in the spaces provided below.	lard F	Permit registration				
Standard Exemption, PBR Registration, and Standard Permit Registration Number(s)	Effe	ctive Date				
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.		-				
J. Affected Air Preconstruction Permits						
Does the standard permit directly affect any permitted facility?						
If "Yes," enter permit number(s) in the spaces provided below.						

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

II. Facility and Site Information (continue	ed)					
K. Federal Operating Permit (FOP) Requirements						
Is this facility located at a site that is required to pursuant to 30 TAC Chapter 122?	obtain a FOP	☐ Yes ⊠ No ☐ To Be Determined				
If the site currently has an existing FOP, enter the	he permit number	:				
Check the requirements of 30 TAC Chapter 122 (check all that apply).	2 that will be trigge	ered if this standard permit is approved				
Initial Application for a FOP	ant Revision for a	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 a (check all that apply)	pplication(s) subr	nitted/pending for the site.				
	application/revisio	n (submitted or under APD review)				
□ N/A □ SOP application/revision	(submitted or unc	der APD review)				
III. Fee Information (go to <u>www.tceq.texa</u>	s.gov/epay to pa	ay online)				
A. Fee Amount:						
B. Voucher number from ePay:						
IV. Public Notice (if applicable)						
A. 🛛 Responsible Person (🖂 Mr. 🗌 Mrs. 🗌 M	ls. 🗌 Other:)					
Name:Justin Valinski						
Title: CFO						
Company: Texas Wellness Spay & Neuter Clinic	Company: Texas Wellness Spay & Neuter Clinic, Inc.					
Mailing Address: 900 North Ware Road						
City: McAllen State: TX	City: McAllen State: TX ZIP Code: 78501-0397					
Phone: 956-638-2970 Fax No.:						
Email Address: matt@ellnessonwheelz.com						

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

IV.	Public Notice (continued) (íf applicable)					
В.	B. Technical Contact (Mr. Mrs. Mrs. Ms. Other): Dr						
Nam	e: Justin Valinski						
Title:	CFO						
Com	pany: Texas Wellness Spay & N	Neuter Clinic, Inc.					
Maili	ng Address: 900 North Ware Ro	bad					
City:	McAllen	State: TX		ZIP Code:78501			
Phor	ne No.: 956-638-2970		Fax No.:				
Ema	il Address: matt@wellnessonwh	neelz.com, justin@b	uildonceconstruction	i.com			
C.	Bilingual Notice						
ls a b	pilingual program required by the	e Texas Education	Code in the School	ol District?	🖂 Yes 🗌 No		
Are t your	he children who attend either th facility eligible to be enrolled in	e elementary scho a bilingual program	ol or the middle sc n provided by the d	hool closest to listrict?	🛛 Yes 🗌 No		
lf "Ye	es," list which language(s) are re	equired by the biling	gual program?				
Spar	nish						
D.	Small Business Classification a	and Alternate Publi	c Notice				
Does than	this company (including parent 100 employees or less than \$6	t companies and su million in annual g	ubsidiary companie ross receipts?	es) have fewer	🗌 Yes 🗌 No		
Is the	e site a major source under 30 T	FAC Chapter 122, F	Federal Operating	Permit Program?	🗌 Yes 🛛 No		
Are t 50 tp	he site emissions of any individe	ual regulated air co	ontaminant equal to	or greater than	🗌 Yes 🔀 No		
Are t 75 tp	he site emissions of all regulate	d air contaminant o	combined equal to	or greater than	🗌 Yes 🖾 No		
V.	Renewal Certification Optic	on					
A.	Does the permitted facility emit and is the permitted facility loca	t an air contaminan ated in an area on	t on the Air Polluta the watch list?	int Watch List,	🗌 Yes 🗌 No		
В.	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)?						
C.	Does the company and/or site	have an unsatisfac	tory compliance hi	story?	🗌 Yes 🗌 No		
D.	 Are there any applications currently under review for this standard permit Yes No 						

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۷.	Renewal Certification Option (continued)					
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 shutdown 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 certii Rene	: If answers to all of the questions in Section V. Renewal Certification Option are "No," fication option and skip to Section VII. of this form. If the answers to any of the question ewal Certification Option are "Yes," the certification option cannot be used.	use the ns in Section V.				
*lf no quali	otice is applicable and comments are received in response to the public notice, the app fy for the renewal certification option.	lication does not				
VI.	VI. Technical Information Including State and Federal Regulatory Requirements					
Plac	e a check next to the appropriate box to indicate what you have included in your	submittal.				
Note the s and	: Any technical or essential information needed to confirm that facilities are meeting the tandard permit must be provided. Not providing key information could result in an auto voiding of the project.	e requirements of matic deficiency				
A.	 A. Standard Permit requirements (Checklists are optional; however, your review will go faster if you provide applicable checklists.) 					
Did y 116.0	ou demonstrate that the general requirements in 30 TAC Sections 116.610 and 615 are met?	🛛 Yes 🗌 No				
Did y are r	Did you demonstrate that emission limitations in 30 TAC Sections 106.261 and 106.262 Xes INO are met?					
Did y met?	you demonstrate that the individual requirements of the specific standard permit are	🛛 Yes 🗌 No				
В.	Confidential Information (All pages properly marked "CONFIDENTIAL")	🗌 Yes 🛛 No				
C.	Process Flow Diagram	🛛 Yes 🗌 No				

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

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.

	Process Description		🖂 Yes 🔛 No	
E.	Maximum Emissions Data and Calculations		🛛 Yes 🗌 No	
F.	Plot Plan		🛛 Yes 🗌 No	
G.	Projected Start Of Construction Date, Star at Site:	rt Of Operation Date, and Length of Time	🛛 Yes 🗌 No	
Proj	ected Start of Construction (provide date):	September/October 2025		
Proj	ected Start of Operation (provide date):	September/October 2025		
Length of Time at the Site: 1 week max.				
VII.	Delinquent Fees and Penalties			
	the Attorney General on behalf of the 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 .			
the / Prote www	Attorney General on behalf of the TCEQ are ocol. For more information regarding Deling v.tceq.texas.gov/agency/financial/fees/deling	e paid in accordance with the Delinquent For quent Fees and Penalties, go to the TCEQ <u>/index.html</u> .	ee and Penalty website at:	
the / Prot www	Attorney General on behalf of the TCEQ are ocol. For more information regarding Delinc <u>v.tceq.texas.gov/agency/financial/fees/delin</u> Signature Requirements	e paid in accordance with the Delinquent Fo quent Fees and Penalties, go to the TCEQ <u>/index.html</u> .	ee and Penalty website at:	

Name (printed): Justin Valinski

Signature (original signature required):

Date:

IX. Copies of the Registration

The 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/.