

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PERMIT NO. WQ0016171001

Guajolote Ranch WRRF
Domestic Wastewater Permit Application

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT

PROPOSED PERMIT NO. WQ0016171001

APPLICATION. Municipal Operations, LLC, P.O. Box 1689, Spring, Texas 77383, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016171001 (EPA I.D. No. TX0142981) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 1,000,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.75 miles west-southwest of the intersection of Babcock Road and Scenic Loop Road, in Bexar County, Texas 78023. The discharge route will be from the plant site via pipe to Helotes Creek; thence to impounded Helotes Creek; thence to Helotes Creek; thence to Culebra Creek; thence to Lower Leon Creek. TCEQ received this application on May 23, 2022. The permit application is available for viewing and copying at Igo Library, 13330 Kyle Seale Parkway, San Antonio, Texas. 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 the exact location, refer to the application.

<https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=db5bac44afbc468bbddd360f8168250f&marker=-98.6975%2C29.653888&level=12>

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>.

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application. If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing.** A contested case hearing is a legal proceeding similar to a civil trial in state district court.

TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST: your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

MAILING LIST. If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. Public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box

13087, Austin, Texas 78711-3087. 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. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from the Municipal Operations, LLC at the address stated above or by calling Mr. Troy Hotchkiss, P.E., Integrated Water Services, Inc., at 214-957-1357.

Issuance Date: August 30, 2022

Comisión de Calidad Ambiental del Estado de Texas



AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA

PERMISO PROPUESTO NO. WQ0016171001

SOLICITUD. Municipal Operations, LLC, P.O Box 1689, Spring, Texas 77383 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016171001 (EPA I.D. No. TX0142981) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 1,000,000 galones por día. La planta está ubicada aproximadamente a 1.75 millas al oeste-suroeste de la intersección de Babcock Road y Scenic Loop Road en el Condado de Bexar, Texas. La ruta de descarga es del sitio de la planta a hasta Helotes Creek; de allí a Helotes Creek incautada; de allí a Helotes Creek; de allí a Culebra Creek; de allí a Lower Leon Creek. La TCEQ recibió esta solicitud el 23 de mayo de 2022. La solicitud para el permiso está disponible para leerla y copiarla en Igo Library, 13330 Kyle Seale Parkway, San Antonio, Texas. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=db5bac44afbc468bbddd360f8168250f&marker=-98.6975%2C29.653888&level=12>

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar **comentarios públicos o pedir una reunión pública sobre esta solicitud.** El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida**

directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS: su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión. La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas de correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief

Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Municipal Operations, LLC a la dirección indicada arriba o llamando a Troy Hotchkiss, P.E., Integrated Water Services, Inc., al 214-957-1357.

Fecha de emisión 30 de agosto de 2022



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
DOMESTIC WASTEWATER PERMIT APPLICATION
CHECKLIST



Complete and submit this checklist with the application.

APPLICANT: Municipal Operations, LLC

PERMIT NUMBER:

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input type="checkbox"/>	<input type="checkbox"/>	Original Photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input type="checkbox"/>	Design Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.0	<input type="checkbox"/>	<input type="checkbox"/>	Solids Management Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.2	<input type="checkbox"/>	<input type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input type="checkbox"/>			
Worksheet 6.0	<input type="checkbox"/>	<input type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input type="checkbox"/>			

For TCEQ Use Only

Segment Number _____	County _____
Expiration Date _____	Region _____
Permit Number _____	



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
APPLICATION FOR A DOMESTIC WASTEWATER PERMIT
ADMINISTRATIVE REPORT 1.0

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 29)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input checked="" type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00

Payment Information:

Mailed Check/Money Order Number: N/A
Check/Money Order Amount: N/A
Name Printed on Check: N/A

EPAY Voucher Number: 578362

Copy of Payment Voucher enclosed? Yes

Section 2. Type of Application (Instructions Page 29)

- | | |
|---|---|
| <input checked="" type="checkbox"/> New TPDES | <input type="checkbox"/> New TLAP |
| <input type="checkbox"/> Major Amendment <u>with</u> Renewal | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal |
| <input type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input type="checkbox"/> Renewal without changes | <input type="checkbox"/> Minor Modification of permit |

For amendments or modifications, describe the proposed changes: N/A

For existing permits:

Permit Number: WQ00N/A

EPA I.D. (TPDES only): TXN/A

Expiration Date: N/A

Section 3. Facility Owner (Applicant) and Co-Applciant Information (Instructions Page 29)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

Municipal Operations, LLC

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: 605108091

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Keith Arrant

Credential (P.E, P.G., Ph.D., etc.): [REDACTED]

Title: Officer

B. Co-applciant information. Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applciant applying for this permit?

N/A

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

If the co-applciant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at:

<http://www15.tceq.texas.gov/crpub/>

CN: N/A

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix (Mr., Ms., Miss): [REDACTED]

First and Last Name: [REDACTED]

Credential (P.E, P.G., Ph.D., etc.): [REDACTED]

Title: [REDACTED]

Provide a brief description of the need for a co-permittee: [REDACTED]

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0.

Attachment: Applicant CDF

Section 4. Application Contact Information (Instructions Page 30)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Troy Hotchkiss

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Sr. Engineering Manager

Organization Name: Integrated Water Services, Inc.

Mailing Address: 4001 N Valley Dr

City, State, Zip Code: Longmont, CO 80504

Phone No.: 214-957-1357 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: thotchkiss@integratedwaterservices.com

Check one or both: Administrative Contact Technical Contact

B. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Austin Clements

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Process Engineer

Organization Name: Integrated Water Services, Inc.

Mailing Address: 4001 N Valley Dr

City, State, Zip Code: Longmont, CO 80504

Phone No.: 303-960-8187 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: aclements@integratedwaterservices.com

Check one or both: Administrative Contact Technical Contact

Section 5. Permit Contact Information (Instructions Page 30)

Provide two names of individuals that can be contacted throughout the permit term.

A. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Troy Hotchkiss

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Sr. Engineering Manager

Organization Name: Integrated Water Services, Inc.

Mailing Address: 4001 N Valley Dr

City, State, Zip Code: Longmont, CO 80504

Phone No.: 214-957-1357 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: thotchkiss@integratedwaterservices.com

B. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Keith Arrant

Credential (P.E, P.G., Ph.D., etc.): [REDACTED]

Title: Officer

Organization Name: Municipal Operations, LLC

Mailing Address: PO Box 1689

City, State, Zip Code: Spring, TX 77383

Phone No.: 281-367-5511 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: karrant@municipalops.com

Section 6. Billing Information (Instructions Page 30)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits *in effect on September 1 of each year*. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Keith Arrant

Credential (P.E, P.G., Ph.D., etc.): [REDACTED]

Title: Officer

Organization Name: Municipal Operations, LLC

Mailing Address: PO Box 1689

City, State, Zip Code: Spring, TX 77383

Phone No.: 281-367-5511 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: karrant@municipalops.com

Section 7. DMR/MER Contact Information (Instructions Page 31)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (EPA 3320-1) or maintain Monthly Effluent Reports.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Keith Arrant

Credential (P.E, P.G., Ph.D., etc.): [REDACTED]

Title: Officer

Organization Name: Municipal Operations, LLC

Mailing Address: PO Box 1689

City, State, Zip Code: Spring, TX 77383

Phone No.: 281-367-5511 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: karrant@municipalops.com

DMR data is required to be submitted electronically. Create an account at:

<https://www.tceq.texas.gov/permitting/netdmr/netdmr.html>.

Section 8. Public Notice Information (Instructions Page 31)

A. Individual Publishing the Notices

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Austin Clements

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Process Engineer

Organization Name: Integrated Water Services, Inc.

Mailing Address: 4001 N Valley Dr

City, State, Zip Code: Longmont, CO 80504

Phone No.: 303-960-8187 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: aclements@integratedwaterservices.com

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

E-mail Address

Fax

Regular Mail

C. Contact person to be listed in the Notices

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Troy Hotchkiss

Credential (P.E, P.G., Ph.D., etc.): P.E.
Title: Sr. Engineering Manager
Organization Name: Integrated Water Services, Inc.
Phone No.: 214-957-1357 Ext.:
E-mail: thotchkiss@integratedwaterservices.com

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: Igo Library
Location within the building: Reference Desk
Physical Address of Building: 13330 Kyle Seale Pkwy
City: San Antonio County: Bexar
Contact Name: Tim Johnson
Phone No.: 210-207-9081 Ext.:

E. Bilingual Notice Requirements:

This information is required for new, major amendment, and renewal applications. It is not required for minor amendment or minor modification applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

Yes No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

Yes No

3. Do the students at these schools attend a bilingual education program at another location?

Yes No

- F. Owner of sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix (Mr., Ms., Miss): N/A

First and Last Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 34)

- A. Is the wastewater treatment facility location in the existing permit accurate?

Yes No

If no, or a new permit application, please give an accurate description:

New Permit Application: The wastewater treatment facility will be located approximately 1.75 miles west-southwest of the intersection of Scenic Loop Rd and Babcock Rd, in Bexar County.

- B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

Yes No

If no, or a new or amendment permit application, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

New Permit Application: The effluent from the facility will be conveyed through a 6" pipe to a discharge point along Helotes Creek (Unclassified Segment 1906A); thence to Culebra Creek; thence to Lower Leon Creek (Classified Segment 1906).

City nearest the outfall(s): Grey Forest

County in which the outfalls(s) is/are located: Bexar

Outfall Latitude: 29°39'14.08"N

Longitude: 98°41'51.30"W

- C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

Yes No

If yes, indicate by a check mark if:

Authorization granted Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment:

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge.

N/A

Section 11. TLAP Disposal Information (Instructions Page 36)

- A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

Yes No

If no, or a new or amendment permit application, provide an accurate description of the disposal site location:

N/A

- B. City nearest the disposal site: N/A

- C. County in which the disposal site is located: N/A

- D. Disposal Site Latitude: N/A Longitude: N/A

- E. For TLAPs, describe the routing of effluent from the treatment facility to the disposal site:

N/A

- F. For TLAPs, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:

N/A

Section 12. Miscellaneous Information (Instructions Page 37)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

Yes No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

Yes No Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit

application, provide an accurate location description of the sewage sludge disposal site.

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

- Yes No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:

D. Do you owe any fees to the TCEQ?

- Yes No

If yes, provide the following information:

Account number:

Amount past due:

E. Do you owe any penalties to the TCEQ?

- Yes No

If yes, please provide the following information:

Enforcement order number:

Amount past due:

Section 13. Attachments (Instructions Page 38)

Indicate which attachments are included with the Administrative Report. Check all that apply:

- Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- Original full-size USGS Topographic Map with the following information:
 - Applicant's property boundary
 - Treatment facility boundary
 - Labeled point of discharge for each discharge point (TPDES only)
 - Highlighted discharge route for each discharge point (TPDES only)
 - Onsite sewage sludge disposal site (if applicable)
 - Effluent disposal site boundaries (TLAP only)
 - New and future construction (if applicable)
 - 1 mile radius information

- 3 miles downstream information (TPDES only)
 - All ponds.
- Attachment 1 for Individuals as co-applicants
- Other Attachments. Please specify: Applicant CDF

Section 14. Signature Page (Instructions Page 39)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: _____

Applicant: Municipal Operations, LLC

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

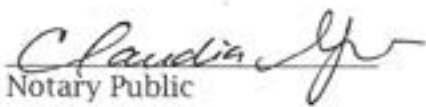
I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Keith Arrant

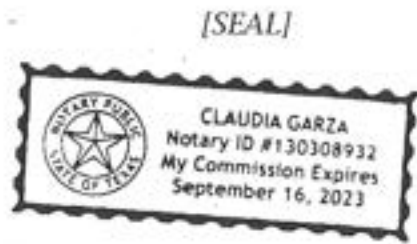
Signatory title: Officer

Signature:  Date: July 27, 2022
(Use blue ink)

Subscribed and Sworn to before me by the said Keith Arrant
on this 27 day of July, 2022.
My commission expires on the 16 day of September, 2023.


Notary Public

Montgomery
County, Texas



Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS

DOMESTIC WASTEWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Municipal Operations, LLC (CN605108091) proposes to operate Guajolote Ranch WRRF (RN111506457), a cyclically aerated, flow-through activated sludge process designed for biological nutrient removal with chemical phosphorous removal capability. The plant will be biochemically designed as an extended aeration plant. The facility will be located approximately 1.75 miles west-southwest of the intersection of Scenic Loop Rd and Babcock Rd, in Grey Forest, Bexar County, Texas 78023.

This application is for a new application to discharge at a daily average flow of 1,000,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), Total Phosphorus (TP), Dissolved Oxygen (D), and Escherichia coli. Domestic wastewater will be treated by an activated sludge process and the treatment units will include bar screens, anaerobic selectors, aerobic/anoxic zones, clarifiers, aerobic digesters, and chlorine contact basins.

**PLANTILLA EN ESPAÑOL PARA SOLICITUDES
NUEVAS/RENOVACIONES/ENMIENDAS TPDES o TLAP**

AGUAS RESIDUALES DOMÉSTICAS

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no son representaciones federales exigibles de la solicitud de permiso.

Municipal Operations, LLC (CN605108091) propone operar Guajolote Ranch WRRF (RN111506457), un proceso de lodos activados de flujo continuo aireado cíclicamente diseñado para la eliminación biológica de nutrientes con capacidad de eliminación química de fósforo. La planta se diseñará bioquímicamente como una planta de aireación extendida. La instalación estará ubicado aproximadamente a 1.75 millas al oeste-suroeste de la intersección de Scenic Loop Rd y Babcock Rd, en Grey Forest, Condado de Bexar, Texas 78023.

Esta solicitud es para una nueva solicitud para descargar a un flujo promedio diario de 1,000,000 de galones por día de aguas residuales domésticas tratadas. .

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbónico de cinco días (CBOD5), sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N), fósforo total (TP), oxígeno disuelto (D) y Escherichia coli.. Las aguas residuales domésticas serán tratadas mediante un proceso de lodos activados y las unidades de tratamiento incluirán rejillas de barras, selectores anaeróbicos, zonas aeróbicas/anóxicas, clarificadores, digestores aeróbicos y piletas de contacto de cloro.



TCEQ Use Only

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

1. Reason for Submission (if other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 605108091		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (if an individual, print last name first: eg: Doe, John)		if new Customer, enter previous Customer below:	
Municipal Operations, LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0802348599	32059046162	81-0880694	
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input checked="" type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner		<input type="checkbox"/> Operator	
<input type="checkbox"/> Occupational Licensee		<input type="checkbox"/> Responsible Party	
<input checked="" type="checkbox"/> Owner & Operator		<input type="checkbox"/> Voluntary Cleanup Applicant	
<input type="checkbox"/> Other:			
15. Mailing Address:	PO Box 1689		
	City	Spring	State TX
	ZIP	77383	ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		karrant@municipalops.com	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(281) 367-5511		(281) 367-5517	

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)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> 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.)	
Guajolote Ranch WRRF	

23. Street Address of the Regulated Entity: (No PO Boxes)						
	City		State		ZIP	ZIP + 4
24. County						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	The wastewater treatment facility will be located approximately 1.75 miles west-southwest of the intersection of Scenic Loop Rd. and Babcock Rd, in Bexar County					
26. Nearest City	Grey Forest			State	TX	
				Nearest ZIP Code	78023	
27. Latitude (N) In Decimal:	29.638652			28. Longitude (W) In Decimal:	-98.706660	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
29	38	19.2	98	42	24.0	
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)	
4952			221320			
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)						
PO BOX 1689						
34. Mailing Address:	City	Spring	State	TX	ZIP	77383
					ZIP + 4	
35. E-Mail Address:	karrant@municipalops.com					
36. Telephone Number		37. Extension or Code		38. Fax Number (if applicable)		
(281) 367-5511				(281) 367-5517		

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

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Austin Clements, P.E.		41. Title:	Process Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(303) 960-8187		() -	aclements@integratedwaterservices.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:	Municipal Operations and Consulting LLC	Job Title:	Owner Officer
Name (In Print):	Lennie Wright <i>Keith Arant</i>	Phone:	(281) 367- 5511
Signature:	<i>[Handwritten Signature]</i>	Date:	

Real Property Lease

Date: April 1, 2022

Landlord: GUAJOLOTE RANCH, INC.

Landlord's Address: 127 Charles Road
San Antonio, TX 78209

Tenant: MUNICIPAL OPERATIONS, LLC.

Tenant's Address: 27316 Spectrum Way
Oak Ridge, Texas 7738

Premises: The real property described on Exhibit "A", attached hereto and incorporated herein for all purposes

Term (months): 48 months, unless otherwise terminated as specified herein.

Commencement Date: April 1, 2022

Termination Date: March 31, 2026, unless otherwise terminated as specified herein.

Annual Rent Payment: Ten dollars and no cents, due within 45 days of the Commencement Date

Security Deposit: Zero dollars and no cents

Permitted Use: For all purposes necessary to prepare an application for, and submit an application for, a Texas Pollutant Discharge Elimination System ("TPDES") Permit from the Texas Commission on Environmental Quality, that would contemplate the construction and operation of a wastewater treatment plant on the Premises. Upon issuance of the TPDES Permit from the Texas Commission on Environmental Quality, Tenant shall have the right to design, construct, install, and operate a wastewater treatment plant upon the Premises.

A. Definitions

A.1. "Agent" means agents, contractors, employees, licensees, and, to the extent under the control of the principal, invitees.

A.2. "Rent" means Base all amounts of money due from Tenant to Landlord.

B. Tenant's Obligations

B.1. Tenant agrees to—

B.1.a. Lease the Premises for the entire Term beginning on the Commencement Date and ending on the Termination Date, unless otherwise terminated as contemplated by this Lease.

B.1.b. Accept the Premises in their present condition "AS IS," based upon Landlord representing that as of the Date of this Lease, the Premises are suitable for the Permitted Use and in compliance with all laws relating to Tenant's use, maintenance of the condition, and occupancy of the Premises.

B.1.c. Obey (i) all laws relating to Tenant's use, maintenance of the condition, and occupancy of the Premises and Tenant's use of any common areas and (ii) any requirements imposed by utility companies serving or insurance companies covering the Premises.

B.1.d. Pay, within 45 days of the Commencement Date of the Lease, the Annual Rent to Landlord at Landlord's Address.

B.1.e. Obtain and pay for all utility services used by Tenant on the Premises.

B.1.f. Allow Landlord to enter the Premises to perform Landlord's obligations, inspect the Premises, and show the Premises to prospective purchasers or tenants; provided, however, that Landlord will not interfere with the Tenant's use of the Premises.

B.1.g. Unless the Tenant closes on the Premises as provided in Section E.1., herein, vacate the Premises on the last day of the Term and remove all Tenant's property, unless such property has become a fixture on the Premises or has been placed underground.

B.1.h. Restore and remediate the Premises in accordance with E.2.

B.1.i. Pay any additional property taxes for the Premises that may result after the property tax amount has been determined by the County for the Premises for 2022, for the remainder of the Term of this Lease, if Tenant's activities on the Premises result in a change in the tax status of the Premises or any part of the Ranch.

B.2. Tenant agrees not to—

B.2.a. Use the Premises for any purpose other than the Permitted Use.

B.2.b. Create a nuisance, except to the extent a nuisance is created by the Permitted Use.

B.2.c. Permit any waste, except to the extent a nuisance is created by the Permitted Use.

B.2.d. Use the Premises in any way that would increase Landlord's insurance premiums or void Landlord's insurance on the Premises, unless Tenant's insurance policy covers Landlord as an additional insured.

B.2.e. Allow a lien to be placed on the Premises.

B.2.f. Assign this lease or sublease any portion of the Premises without Landlord's written consent.

B.3. Accommodating Existing Agricultural Use. Tenant acknowledges that the Premises are within Bexar Appraisal District Tax Parcel 249459, which is in active agricultural use. Tenant will conduct all its operations with due regard for these agricultural uses including shutting gates to contain livestock, maintaining the integrity of existing fences in substantially the same condition as on the Commencement Date and securing and isolating and/or fencing any areas within the Premises where Tenant's operations could pose a hazard to livestock. The Parties agree that the Permitted Use would not pose a hazard to livestock.

C. Landlord's Obligations

C.1. Landlord agrees to—

C.1.a. Lease to Tenant the Premises for the entire Term beginning on the Commencement Date and ending on the Termination Date.

C.2. Landlord agrees not to—

C.2.a. Interfere with Tenant's possession of the Premises as long as Tenant is not in default of the Agreement.

C.2.b. Unreasonably withhold or delay providing its consent to a proposed assignment or sublease.

D. INDEMNIFICATION

TENANT AND ALL SUCCESSORS AND ASSIGNS SHALL BE OBLIGATED TO FULLY DEFEND, PROTECT AND INDEMNIFY, HOLD HARMLESS AND RELEASE LANDLORD, THEIR RESPECTIVE HEIRS, TRUSTEES, BENEFICIARIES, EMPLOYEES, PARTNERS (GENERAL AND LIMITED), AGENTS, FAMILY MEMBERS, MEMBERS, OFFICERS, DIRECTORS, AFFILIATES, SUCCESSORS AND ASSIGNS (COLLECTIVELY REFERRED TO AS "LANDLORD GROUP") FROM AND AGAINST EACH AND EVERY LIABILITY, COST, EXPENSE, DAMAGE OR LOSS (INCLUDING, WITHOUT LIMITATION, COURT COSTS, EXPERTS' FEES AND ATTORNEYS' FEES), WHETHER ARISING IN EQUITY, AT COMMON LAW, OR BY STATUTE, OR UNDER THE LAW OF CONTRACTS, TORTS, OR PROPERTY, OF EVERY KIND OR CHARACTER, INCLUDING, WITHOUT LIMITATION, CLAIMS FOR PERSONAL INJURY OR DEATH, EMOTIONAL DISTRESS, REAL AND PERSONAL PROPERTY DAMAGE, ECONOMIC

LOSS, AND WORKERS' COMPENSATION (COLLECTIVELY, "LOSSES"), INCLUDING THOSE RESULTING FROM ANY CLAIM, DEMAND, ACTION, CAUSE OF ACTION, OR LAWSUIT THAT MAY BE ASSERTED AGAINST LANDLORD GROUP OR TENANT BY ANY THIRD PARTY, INCLUDING TENANT'S EMPLOYEES AND AGENTS OR ANY OTHER PARTY TENANT PERMITS ON THE LEASED PREMISES (COLLECTIVELY, "CLAIMS"), SUFFERED BY OR MADE AGAINST LANDLORD GROUP ARISING FROM OR ON ACCOUNT OF OR RELATING TO TENANT OR AND ANY OPERATIONS OR ACTIVITIES CONDUCTED BY TENANT OR FOR THE BENEFIT OF TENANT INCLUDING BUT NOT LIMITED TO THE MERE EXISTENCE OF THE LEASE, AND/OR ANY ADMINISTRATIVE HEARING, DEMAND LETTER, LAWSUIT OR ANY OTHER CLAIM WHATSOEVER NAMING ANY OF LANDLORD GROUP. IF A MEMBER OF THE LANDLORD GROUP IS MADE A PARTY DEFENDANT IN ANY CLAIM FOR LOSSES, THEN TENANT SHALL DEFEND SUCH PARTY AND BEAR THE COST AND EXPENSE OF SUCH DEFENSE AND ANY JUDGMENT. THE AFFECTED MEMBER OF LANDLORD GROUP SHALL HAVE THE RIGHT TO APPROVE OR DISAPPROVE OF: COUNSEL CHOSEN BY TENANT (WHO SHALL BE INDEPENDENT OF TENANT); DEFENSES, COUNTERCLAIMS, OR CROSS CLAIMS BY OR ON BEHALF OF ANY MEMBER OF LANDLORD GROUP; AND WHETHER OR NOT TO SETTLE ANY SUCH MATTER. IF TENANT FAILS OR REFUSES TO RETAIN COUNSEL AND ACTIVELY DEFEND ANY SUCH INDEMNIFIED CLAIM, THE AFFECTED MEMBER OF LANDLORD GROUP MAY RETAIN COUNSEL OF ITS CHOICE TO DEFEND THE INDEMNIFIED CLAIM AND TENANT SHALL BEAR SUCH REASONABLE EXPENSES TO THE EXTENT IT WAS OBLIGATED TO INDEMNIFY LANDLORD GROUP FOR SUCH LOSSES. THERE ARE NO LIMITATIONS TO THE INDEMNIFICATION OBLIGATIONS OF TENANT UNDER THIS LEASE; IN THAT IT IS NOT NECESSARY FOR LANDLORD GROUP TO HAVE SUCCESSFULLY DEFENDED ANY CLAIM ON THE MERITS OR OTHERWISE, AND THIS PARAGRAPH IS INTENDED TO PROVIDE COMPLETE AND UNCONDITIONAL DEFENSE AND INDEMNIFICATION FOR ATTORNEY'S FEES, PARTIAL SUCCESS, SETTLEMENTS, COMPROMISES, AND DISMISSALS. ANY BREACH OF THIS INDEMNIFICATION PARAGRAPH WHICH REMAINS UNCURED AFTER THIRTY (30) DAYS FROM WRITTEN NOTICE FROM LANDLORD SPECIFICALLY STATING THE BREACH SHALL CAUSE AN IMMEDIATE TERMINATION OF THIS LEASE WITHOUT THE NEED FOR FURTHER ACTION BY LANDLORD; PROVIDED, HOWEVER, THE TENANT'S DUTIES OF INDEMNIFICATION OR OTHERWISE SHALL NOT TERMINATE. THIS LEASE SHALL EXPIRE IN ACCORDANCE WITH THE PROVISIONS SET OUT HEREIN, BUT TENANT'S AND ITS ASSIGNEE'S OBLIGATIONS UNDER THIS PARAGRAPH SHALL SURVIVE THE TERMINATION OF THIS LEASE. TENANT'S OBLIGATIONS UNDER THIS SECTION SHALL NOT APPLY TO THE GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT OF ANY MEMBER OF THE LANDLORD GROUP.

E. General Provisions

Landlord and Tenant agree to the following:

E.1. Term. It is understood that Tenant or its assigns is under contract to purchase the Premises as part of a larger transaction that will include the Premises ("Contract to Purchase

1097 +/- acres, as amended"). Notwithstanding anything to the contrary, this Lease will terminate immediately upon (a) the Closing of the contemplated purchase by Tenant or its assignee pursuant to the Contract to Purchase 1097 +/- acres, as amended, or (b) upon the termination of the Contract to Purchase 1097 +/- acres, as amended.

E.2. Remediation and Restoration. Should this Lease terminate for any reason except for Closing on the Contract to Purchase 1097 +/- acres, as amended, (i) Tenant agrees to, within thirty (30) days following termination, remove all Tenant's property from the Premises, unless such property has become a fixture on the Premises or has been placed underground; (ii) any of Tenant's property remaining on the Premises thirty (30) days after the termination of this Lease shall be considered abandoned and Landlord shall have the option to retain such property or demand its removal; and (iii) unless waived in writing by Landlord, within thirty (30) days of the termination of this Lease, Tenant shall fully restore and remediate the surface of the Premises to substantially the condition the Premises were in immediately prior to the Commencement Date, including restoration of native grasses.

E.3. Activities allowed on Premises. During the term of this Lease, Tenant shall have access to the Premises and may undertake activities necessary for the Permitted Use. This Lease grants no right to hunt or graze livestock.

E.4. Alternative Dispute Resolution. Landlord and Tenant agree to mediate in good faith before filing a suit for damages.

E.5. Attorney's Fees. If either party retains an attorney to enforce this lease, the party prevailing in litigation is entitled to recover reasonable attorney's fees and other fees and court and other costs.

E.6. Venue. Exclusive venue is in the county in which the Premises are located.

E.7. Entire Agreement. This Lease and its Exhibit is the entire agreement of the parties concerning the lease of the Premises by Landlord to Tenant. There are no representations, warranties, agreements, or promises pertaining to the Premises or the lease of the Premises by Landlord to Tenant, and Tenant is not relying on any statements or representations of any agent of Landlord, that are not in this lease.


E.8. Amendment of Lease. This Lease may be amended only by an instrument in writing signed by Landlord and Tenant.

E.9. Guarantee. Lennar Homes of Texas Land and Construction, Ltd. ("Lennar") has executed this Lease solely for the purpose of guaranteeing the obligations of Tenant under this Lease, in the event of a Tenant default. Should the Tenant fail to perform any material obligation under this Lease and the time to cure such default pass, Landlord may look to Lennar for the performance of the obligations of Tenant hereunder, and Lennar agrees to perform the obligations of Tenant under this Lease.

[remainder of page intentionally blank, signature page follows]

LANDLORD:

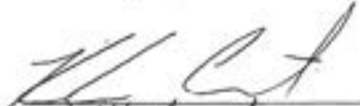
GUAJOLOTE RANCH, INC.,
a Texas corporation

By: 
Richard H. Lepere, Treasurer

Date: 4-6-2022

TENANT:

MUNICIPAL OPERATIONS, LLC.

By: 
Name: Keith Arceat
Title: Officer
Date: 6/1/2022

Executed by Lennar solely for the purposes set forth in Section E.9 of this Lease

LENNAR:

LENNAR HOMES OF TEXAS LAND AND CONSTRUCTION, LTD.

DocuSigned by:
By: 
Name: Richard Mott
Title: Authorized Agent

Date: 4/22/2022

METES AND BOUNDS DESCRIPTION
FOR

A 9.886 acre, or 430,656 square feet more or less, tract of land out of that called 1096.99 acre tract described in deed to Guajolote Ranch, Inc. recorded in Volume 6115, Page 603 of the Deed Records of Bexar County, Texas, out of the J. Travieso Survey No. 227 1/4, Abstract 759, County Block 4615, Bexar County, Texas. Said 9.886 acre tract being more fully described as follows, with bearings based on the Texas Coordinate System established for the South Central Zone from the North American Datum of 1983 NAD 83 (NA2011) epoch 2010.00:

COMMENCING: At a found 1/2" iron rod at the northeast corner of said 1096.99 acre tract, at the southeast corner of Lot 901, Block 13, C.B. 4695, Blackbuck Ranch Phase 1 Unit 1 PUD, recorded in Volume 9707, Page 29 and at an angle point of Lot 901, Block 12, C.B. 4695, Canyons at Scenic Loop Unit 6A P.U.D., recorded in Volume 9682, Page 32, both of the Deed and Plat Records of Bexar County, Texas;

THENCE: S 36°45'16" W, over and across said 1096.99 acre tract, a distance of 7230.65 feet to a set 1/2" iron rod with a yellow cap marked "Pape-Dawson" for the POINT OF BEGINNING of herein described tract;

THENCE: Continuing over and across said 1096.99 acre tract, the following bearings and distances:

S 06°55'32" W, a distance of 779.41 feet to a set 1/2" iron rod with a yellow cap marked "Pape-Dawson", from which a found 1/2" iron rod at the southeast corner of said 1096.99 acre tract, at the northeast corner of a called 7.000 acre tract recorded in Volume 8670, Page 332 and on the west line of a called 49.076 acre tract recorded in Document No. 20210011265, both of the Official Public Records of Bexar County, Texas, bears S 82°34'04" E, a distance of 3203.13 feet;

N 83°00'29" W, a distance of 642.91 feet to a set 1/2" iron rod with a yellow cap marked "Pape-Dawson";

N 08°15'11" E, a distance of 314.32 feet to a set 1/2" iron rod with a yellow cap marked "Pape-Dawson";

N 14°14'09" E, a distance of 270.84 feet to a set 1/2" iron rod with a yellow cap marked "Pape-Dawson", from which a found 5/8" iron rod at the northwest corner of said 1096.99 acre tract, at the southwest corner of Lot 902, Block 30, Blackbuck Ranch Phase 2 Unit 4 PUD, recorded in Volume 20002, Page 398 of the Plat Records of Bexar County, Texas and on the east line of a called 3,188.30 acre tract recorded in Volume 3437, Page 1244 of said Deed Records, bears N 22°49'14" W, a distance of 6898.68 feet;

9.886 Acres
Job No. 12356-03
Page 2 of 2

Northeasterly, along a non-tangent curve to the left, said curve having a radius of 750.00 feet, a central angle of $36^{\circ}37'44''$, a chord bearing and distance of $N 72^{\circ}30'23'' E$, 471.35 feet, for an arc length of 479.47 feet to a set $\frac{1}{8}$ " iron rod with a yellow cap marked "Pape-Dawson";

THENCE: $S 83^{\circ}23'02'' E$, a distance of 171.98 feet to the POINT OF BEGINNING and containing 9.886 acres in the City of San Antonio, Bexar County, Texas. Said tract being described in conjunction with a survey made on the ground and a survey map prepared under job number 12356-03 by Pape-Dawson Engineers, Inc.

PREPARED BY: Pape-Dawson Engineers, Inc.
DATE: March 21, 2022
JOB NO. 12356-03
DOC. ID. N:\CIVIL\12356-03\Word\12356-03 FN 9.886 AC.docx

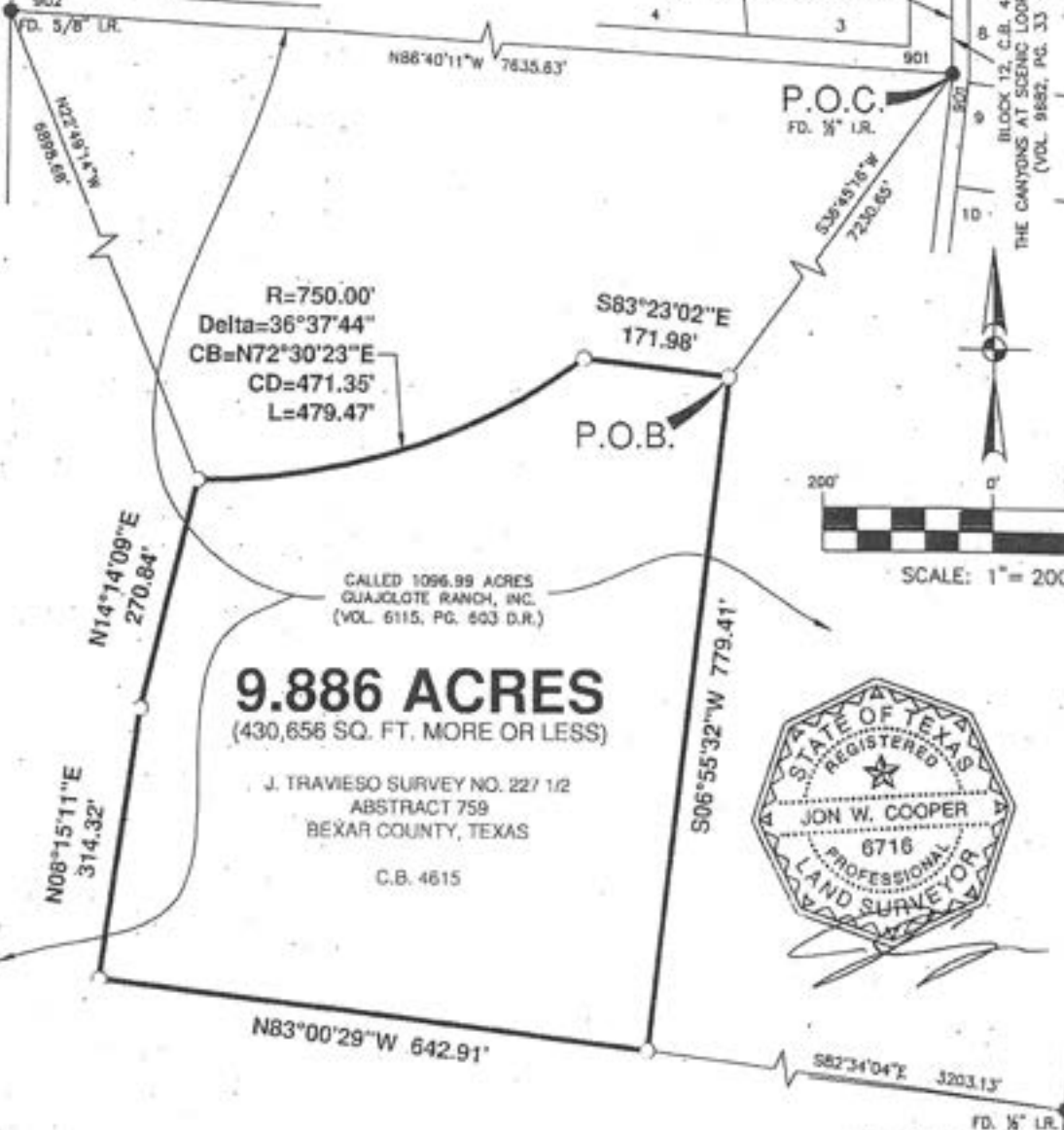


CALLLED 3,188.30 ACRES
BEXAR RANCH
(VOL. 3437, PG. 1244 D.R.)

12
BLOCK 30
BLACKBUCK RANCH
PHASE 2 UNIT 4 PUD
(VOL. 20002, PG. 398 P.R.)

BLOCK 13, C.B. 4695
BLACKBUCK RANCH PHASE 1 UNIT 1 PUD
(VOL. 9707, PG. 29 D.P.R.)

901
BLOCK 12, C.B. 4695
THE CANYONS AT SCENIC LOOP UNIT 6A P.U.D.
(VOL. 9882, PG. 33 D.P.R.)



R=750.00'
Delta=36°37'44"
CB=N72°30'23"E
CD=471.35'
L=479.47'

P.O.B.

P.O.C.
FD. 1/4" I.R.



SCALE: 1" = 200'

CALLLED 1096.99 ACRES
GUAJOCLOTE RANCH, INC.
(VOL. 6115, PG. 603 D.R.)

9.886 ACRES
(430,656 SQ. FT. MORE OR LESS)

J. TRAVIESO SURVEY NO. 227 1/2
ABSTRACT 759
BEXAR COUNTY, TEXAS
C.B. 4615



CALLLED 49,076 ACRES
SHAWNETTE S. GALAM
(DOC. # 20210012265 D.P.R.)

FD. 1/4" I.R.
CALLLED 7,000 ACRES
DAVID L. SAATHOFF
(VOL. 8670, PG. 332 D.P.R.)

EXHIBIT FOR

A 9.886 ACRE, OR 430,656 SQUARE FEET MORE OR LESS, TRACT OF LAND
OUT OF THAT CALLED 1096.99 ACRE TRACT DESCRIBED IN DEED TO
GUAJOCLOTE RANCH, INC. RECORDED IN VOLUME 6115, PAGE 603 OF THE
DEED RECORDS OF BEXAR COUNTY, TEXAS, OUT OF THE J. TRAVIESO SURVEY
NO. 227 1/2, ABSTRACT 759, COUNTY BLOCK 4615, BEXAR COUNTY, TEXAS.

**PAPE-DAWSON
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
7000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.0000
TEXAS ENGINEERING FIRM #476 | TEXAS SURVEYING FIRM #1007000

MARCH 21, 2022

SHEET 1 OF 1
JOB No.12356-03

DATE: MAR 21, 2022, 10:55AM, USER: JG, 40220219
FILE: S:\2021\12356-03\12356-03 EX 9.886 AC.DWG

REFERENCE

DOMESTIC ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 41)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- The applicant's property boundaries
 - The facility site boundaries within the applicant's property boundaries
 - The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - The property boundaries of all landowners surrounding the effluent disposal site
 - The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark in which format the landowners list is submitted:
- Readable/Writeable CD
 - Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses: Bexar CAD Map Search
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- Yes
 - No

If **yes**, provide the location and foreseeable impacts and effects this application has on the

land(s):

Section 2. Original Photographs (Instructions Page 44)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- At least one original photograph of the new or expanded treatment unit location
- At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- At least one photograph of the existing/proposed effluent disposal site
- A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 44)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- Ownership
- Restrictive easement
- Nuisance odor control
- Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

- Yes No

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)**

**FOR AGENCIES REVIEWING DOMESTIC
TPDES WASTEWATER PERMIT APPLICATIONS**

TCEQ USE ONLY:

Application type: ___Renewal ___Major Amendment ___Minor Amendment ___New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

___ Texas Historical Commission

___ U.S. Fish and Wildlife

___ Texas Parks and Wildlife Department

___ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

Do not refer to a response of any item in the permit application form. Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee: Municipal Operations, LLC

Permit No. WQ00 N/A

EPA ID No. TX N/A

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

The wastewater treatment facility will be located approximately 1.75 miles west-southwest of the intersection of Scenic Loop Rd and Babcock Rd, in Bexar County.

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Troy Hotchkiss

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Sr. Engineering Manager

Mailing Address: 4001 N Valley Dr

City, State, Zip Code: Longmont, CO 80504

Phone No.: 214-957-1357 Ext.:

Fax No.:

E-mail Address: thotchkiss@integratedwaterservices.com

2. List the county in which the facility is located: Bexar County
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

Guajolote Ranch, Inc.

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

The effluent from the facility will be conveyed through a 6" pipe to a discharge point along Helotes Creek (Unclassified Segment 1906A); thence to Culebra Creek; thence to Lower Leon Creek (Classified Segment 1906).

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- Proposed access roads, utility lines, construction easements
- Visual effects that could damage or detract from a historic property's integrity
- Vibration effects during construction or as a result of project design
- Additional phases of development that are planned for the future
- Sealing caves, fractures, sinkholes, other karst features

- Disturbance of vegetation or wetlands

6. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

The construction of the facility will impact approximately 3 acres of land. There will be surface excavation for pad/basin development and installation of necessary piping.

7. Describe existing disturbances, vegetation, and land use:

No current or existing disturbances. Land is currently privately owned and contains native vegetation.

THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

8. List construction dates of all buildings and structures on the property:

Construction for Initial Phase to begin in late 2023

9. Provide a brief history of the property, and name of the architect/builder, if known.

N/A

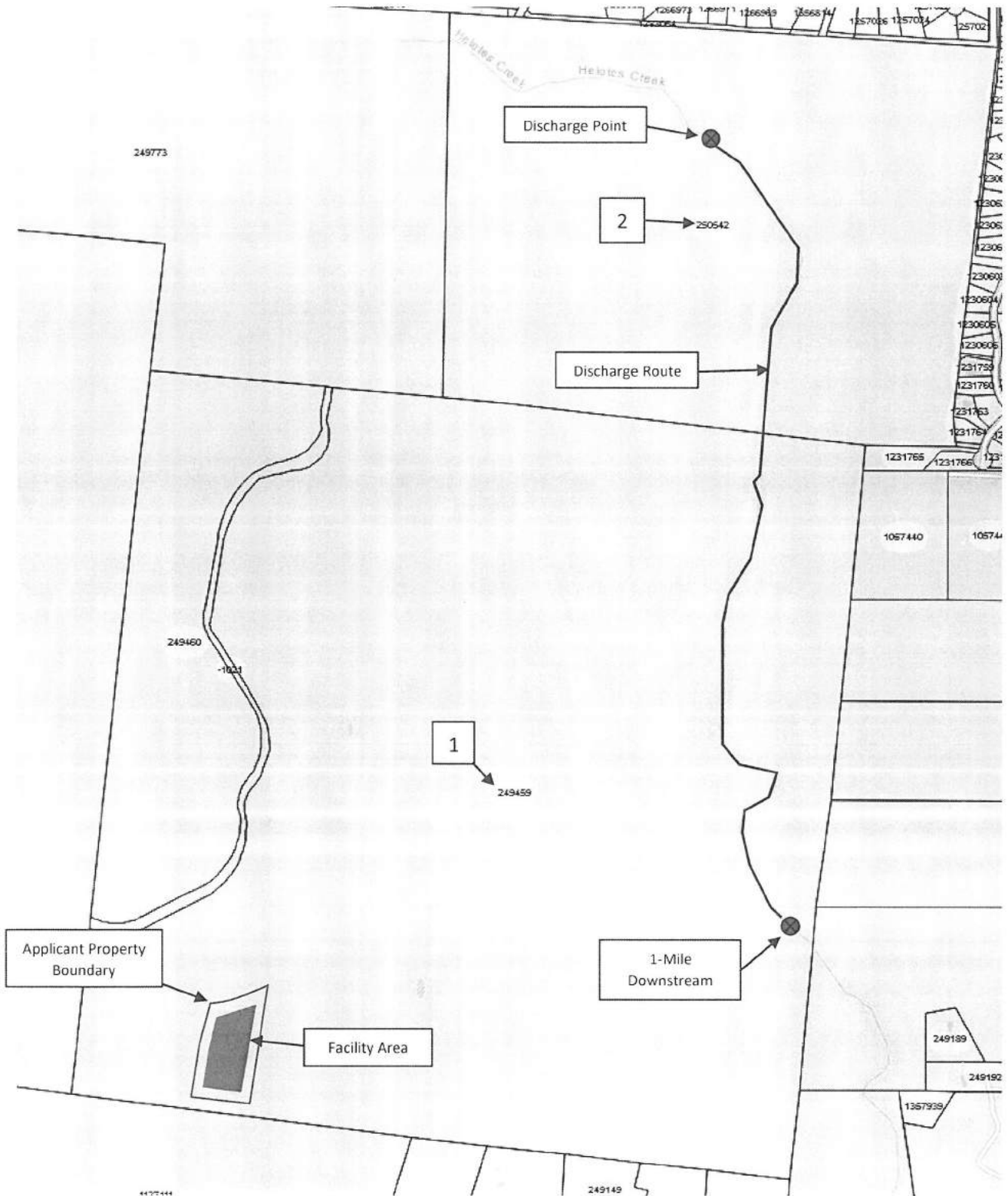
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DOMESTIC ADMINISTRATIVE REPORT 1.1

Attachments

Guajolote Ranch WRRF

Section 1. Affected Landowner Map



Legend

0 → Cross-reference ID

0.30 mile

NORTH

Section 1. Affected Landowner List – Cross-Referenced to Map

Cross Reference	Property ID Number	Owner	Mailing Address
1	249459	GUAJOLOTE RANCH INC	127 CHARLES RD SAN ANTONIO, TX 78209-5944
2	250542	GUAJOLOTE RANCH INC	127 CHARLES RD SAN ANTONIO, TX 78209-5944

Section 2. Original Photographs

Image 1. New Treatment Facility Location (Facing NNE)

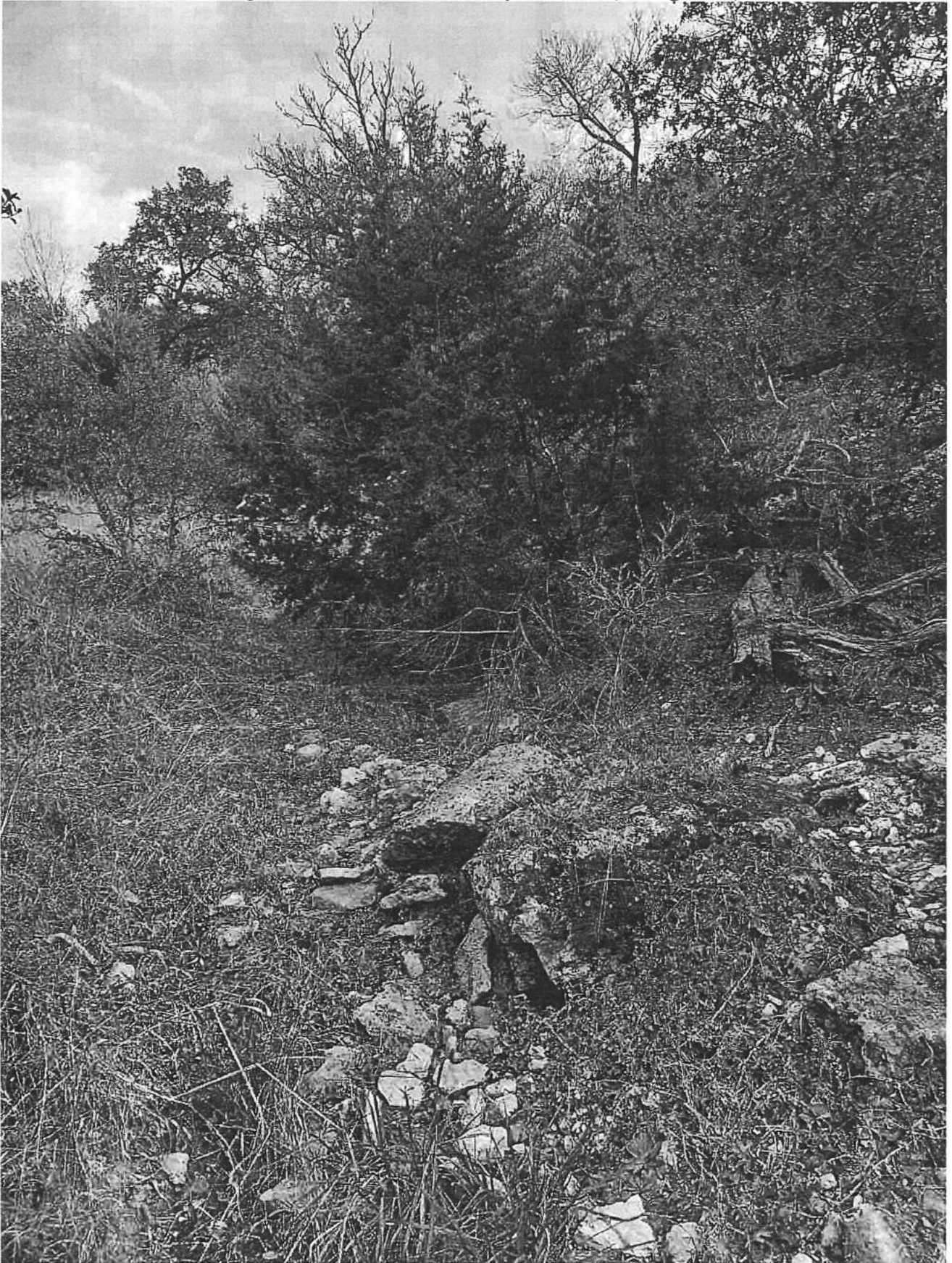


Image 2. Proposed Point of Discharge and Upstream Area (Facing NW)



Image 3. Proposed Point of Discharge and Downstream Area (Facing SE)

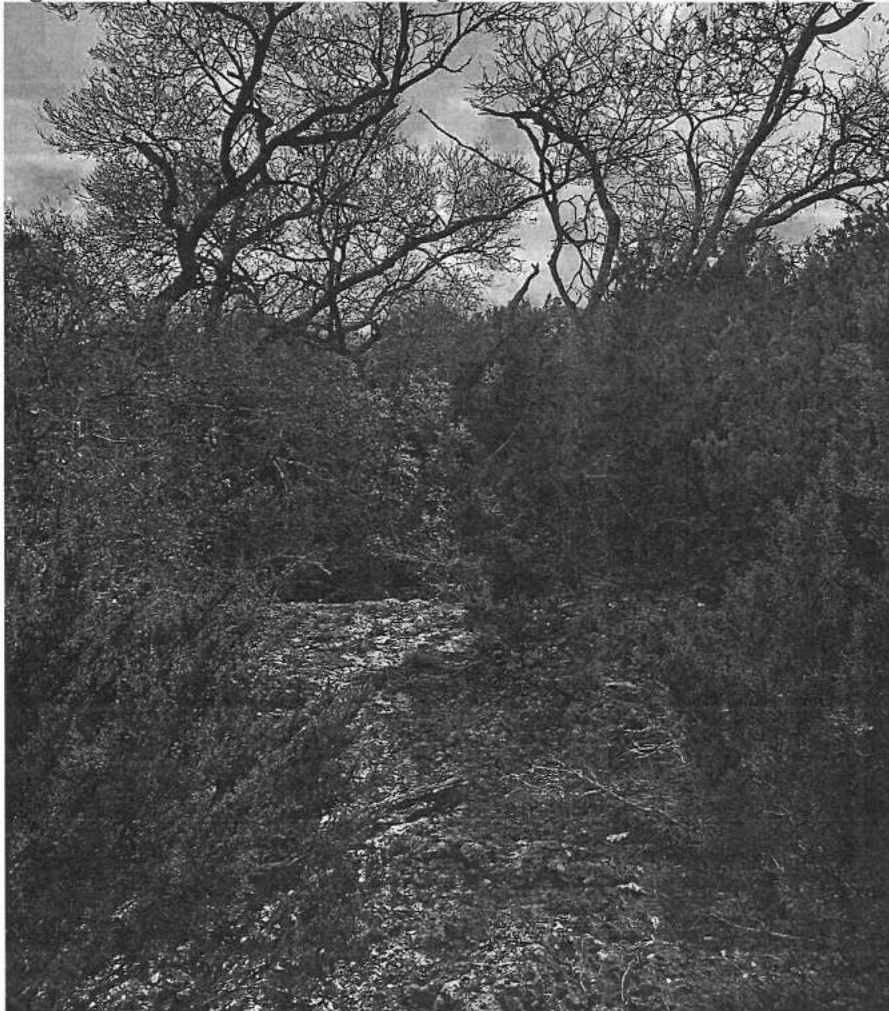
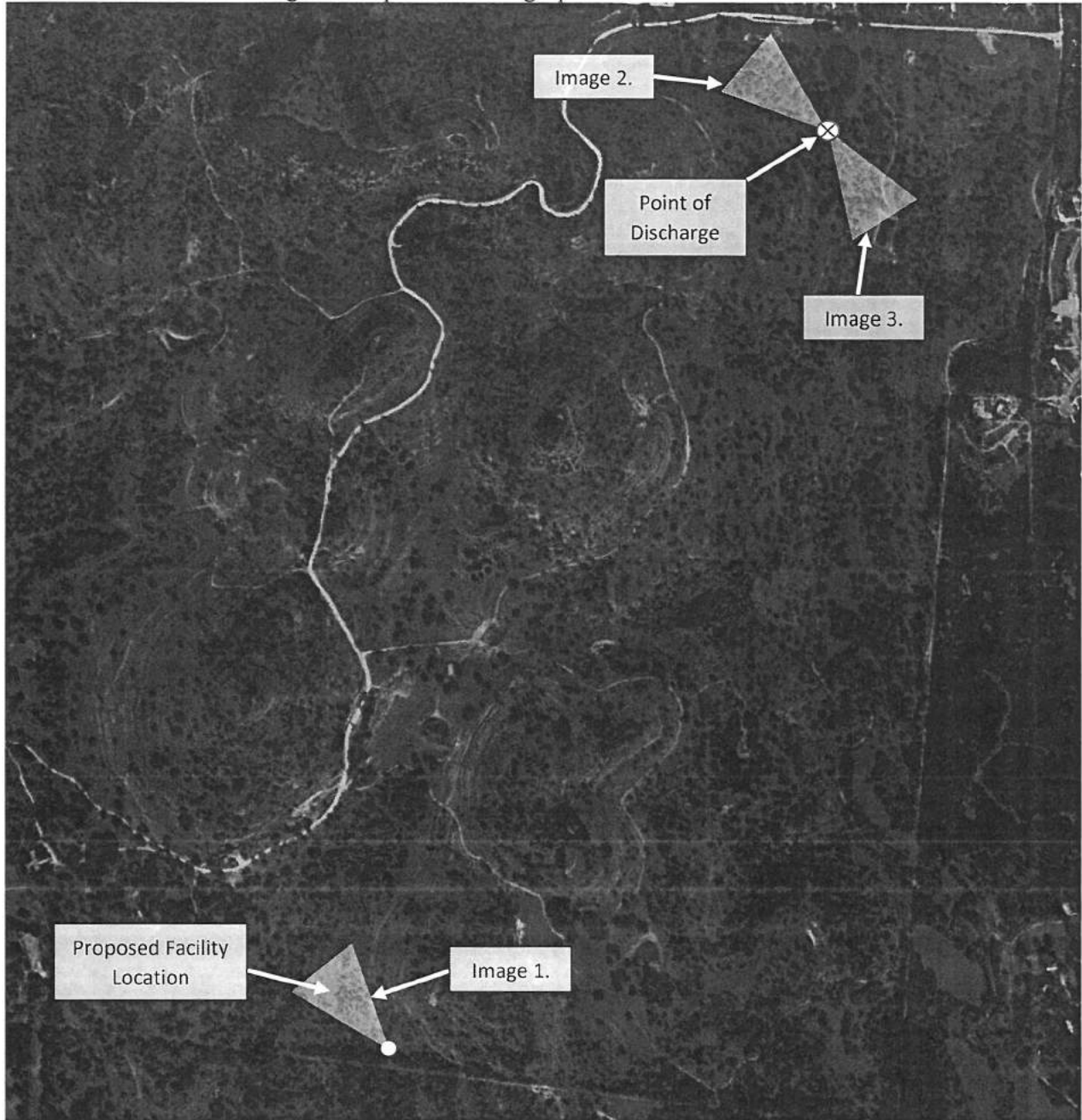


Image 4. Map with Photograph Location and Direction



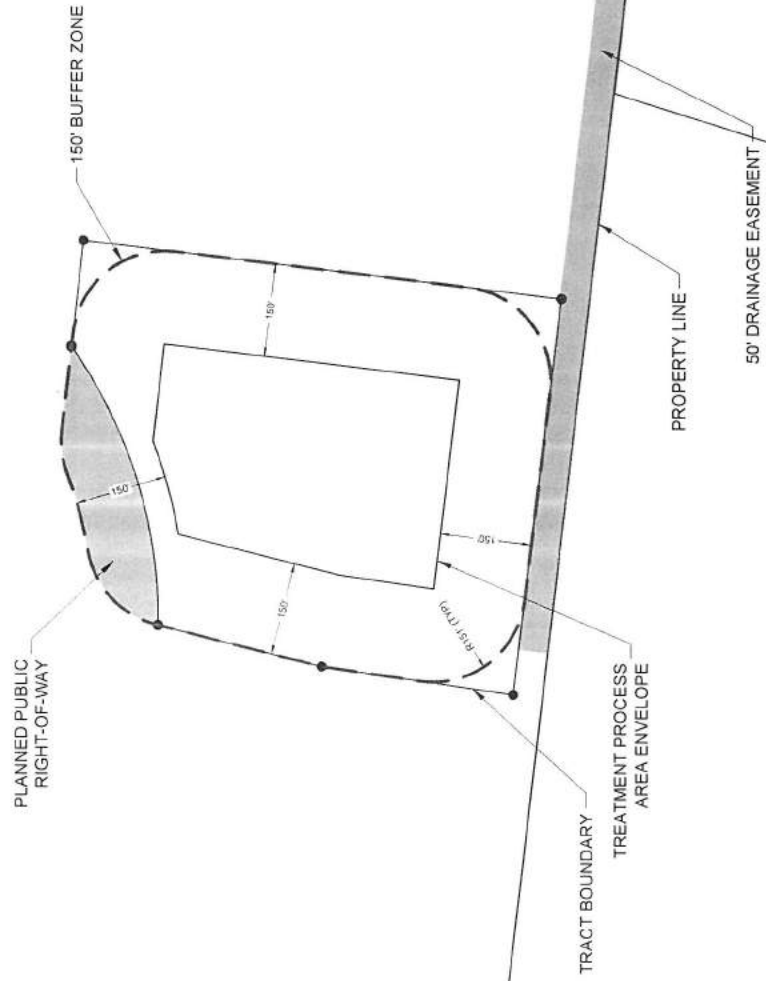
GUAJOLOTE RANCH INC
127 CHARLES RD
SAN ANTONIO, TX 78209-5944

GUAJOLOTE RANCH INC
127 CHARLES RD
SAN ANTONIO, TX 78209-5944

GUAJOLOTE RANCH INC
127 CHARLES RD
SAN ANTONIO, TX 78209-5944

GUAJOLOTE RANCH INC
127 CHARLES RD
SAN ANTONIO, TX 78209-5944

Guajolote Ranch WRRF Permit Domestic Admin Report 1.1 - Section 3 Buffer Zone Map





TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
DOMESTIC WASTEWATER PERMIT APPLICATION

DOMESTIC TECHNICAL REPORT 1.0

The Following Is Required For All Applications
Renewal, New, And Amendment

Section 1. Permitted or Proposed Flows (Instructions Page 51)

A. Existing/Interim I Phase

Design Flow (MGD): 0.200

2-Hr Peak Flow (MGD): 0.800

Estimated construction start date: Summer 2023

Estimated waste disposal start date: Winter 2023

B. Interim II Phase

Design Flow (MGD): 0.400

2-Hr Peak Flow (MGD): 1.600

Estimated construction start date: Summer 2025

Estimated waste disposal start date: Winter 2025

C. Final Phase

Design Flow (MGD): 1.000

2-Hr Peak Flow (MGD): 4.000

Estimated construction start date: Summer 2027

Estimated waste disposal start date: Winter 2027

D. Current operating phase: N/A

Provide the startup date of the facility: N/A

Section 2. Treatment Process (Instructions Page 51)

A. Treatment process description

Provide a detailed description of the treatment process. **Include the type of**

treatment plant, mode of operation, and all treatment units. Start with the plant's head works and finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed in the permit, a description of each phase must be provided.** Process description:

The Guajolote WRRF is proposed to be developed in three phases; the first two will be 200,000-gal/day and the final phase 400,000-gal/day for a total plant capacity of 1,000,000-gal/day. Each phase is proposed to be a cyclically aerated, flow-through activated sludge process designed for biological nutrient removal with chemical phosphorous removal capability. The plant will be biochemically designed as an extended aeration plant. Each phase will include an anaerobic selector ahead of the aerobic/anoxic zones to provide filament control. Under optimal conditions, this arrangement will also provide a degree of biological P removal. Alternating aerobic/anoxic reactors following first stage aeration provide for denitrification. This is a compact, common-wall process design that will utilize air lifts for most of the pumping requirements.

Port or pipe diameter at the discharge point, in inches: 6"

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) of each treatment unit, accounting for *all* phases of operation.

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Bar Screen	1/2/3	1/4" Manual Bar Screen
Anoxic Selector	1/2/3	1) 8' x 20' x 14' SWD 2) 8' x 20' x 14' SWD 3) 12' x 40' x 14' SWD
Primary Aeration	2/4/6	1) (2) x 24' x 20' x 14' SWD 2) (2) x 24' x 20' x 14' SWD 3) (2) x 36' x 40' x 14' SWD
Secondary Aeration	2/4/6	1) (2) x 42' x 14' x 14' SWD 2) (2) x 42' x 14' x 14' SWD 3) (2) x 82' x 21' x 14' SWD
Clarification	2/4/6	1) (2) x 20' x 20' x 14' SWD

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
		2) (2) x 20' x 20' x 14' SWD 3) (2) x 40' x 30' x 14' SWD
Aerobic Digester	2/4/6	1) (2) x 10' x 38' x 14' SWD 2) (2) x 10' x 38' x 14' SWD 3) (2) x 57' x 20' x 14' SWD
Chlorine Contact	1/2/3	1) 42' x 6' x 14' SWD 2) 42' x 6' x 14' SWD 3) 82' x 4' x 14' SWD

C. Process flow diagrams

Provide flow diagrams for the existing facilities and **each** proposed phase of construction.

Attachment: Process Flow Diagrams

Section 3. Site Drawing (Instructions Page 52)

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: Site Drawings

Provide the name and a description of the area served by the treatment facility.

Guajolote Ranch Development. The development will consist of approximately 2,900 residential home units at final buildout.

Section 4. Unbuilt Phases (Instructions Page 52)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

Yes No

If yes, does the existing permit contain a phase that has not been constructed within five years of being authorized by the TCEQ?

Yes No

If yes, provide a detailed discussion regarding the continued need for the unbuilt phase. Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.

Section 5. Closure Plans (Instructions Page 53)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

Yes No

If yes, was a closure plan submitted to the TCEQ?

Yes No

If yes, provide a brief description of the closure and the date of plan approval.

Section 6. Permit Specific Requirements (Instructions Page 53)

For applicants with an existing permit, check the *Other Requirements* or

Special Provisions of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

Yes No

If yes, provide the date(s) of approval for each phase: [redacted]
[redacted]

Provide information, including dates, on any actions taken to meet a requirement or provision pertaining to the submission of a summary transmittal letter. Provide a copy of an approval letter from the TCEQ, if applicable.

B. Buffer zones

Have the buffer zone requirements been met?

Yes No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

Yes No

If yes, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

Yes No

If **No**, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

3. Grit disposal

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

Yes No

If **No**, contact the TCEQ Municipal Solid Waste team at 512-239-0000. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

4. Grease and decanted liquid disposal

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-0000.

Describe how the decant and grease are treated and disposed of after grit separation.

E. Stormwater management

1. Applicability

Does the facility have a design flow of 1.0 MGD or greater in any phase?

Yes No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

Yes No

If no to both of the above, then skip to Subsection F, Other Wastes Received.

2. MSGP coverage

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

Yes No

If yes, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 [redacted] or TXRNE [redacted]

If no, do you intend to seek coverage under TXR050000?

Yes No

3. Conditional exclusion

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

Yes No

If **yes**, please explain below then proceed to Subsection F, Other Wastes Received:

4. Existing coverage in individual permit

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

Yes No

If **yes**, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

5. Zero stormwater discharge

Do you intend to have no discharge of stormwater via use of evaporation or other means?

Yes No

If **yes**, explain below then skip to Subsection F. Other Wastes Received.

Note: If there is a potential to discharge any stormwater to surface water in

the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

Yes No

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

Yes No

If yes, a Sewage Sludge Solids Management Plan is required. See Example 5 in the instructions.

G. Other wastes received including sludge from other WWTPs and septic

waste

1. Acceptance of sludge from other WWTPs

Does the facility accept or will it accept sludge from other treatment plants at the facility site?

Yes No

If yes, attach sewage sludge solids management plan. See Example 5 of the instructions.

In addition, provide the date that the plant started accepting sludge or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

Yes No

If yes, does the facility have a Type V processing unit?

Yes No

If yes, does the unit have a Municipal Solid Waste permit?

Yes No

If yes to any of the above, provide a the date that the plant started accepting septic waste, or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)

Is the facility accepting or will it accept wastes that are not domestic in nature excluding the categories listed above?

Yes No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 58)

Is the facility in operation?

Yes No

If no, this section is not applicable. Proceed to Section 8.

If yes, provide effluent analysis data for the listed pollutants. *Wastewater treatment facilities* complete Table 1.0(2). *Water treatment facilities* discharging filter backwash water, complete Table 1.0(3).

Note: The sample date must be within 1 year of application submission.

Table 1.0(2) - Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

Table 1.0(3) - Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name: Sillers, Chadwick J PG

Facility Operator's License Classification and Level: WW Treatment Operator A

Facility Operator's License Number: WW0045469

Section 9. Sewage Sludge Management and Disposal (Instructions Page 60)

A. Sludge disposal method

Identify the current or anticipated sludge disposal method or methods from the following list. Check all that apply.

- Permitted landfill
- Permitted or Registered land application site for beneficial use
- Land application for beneficial use authorized in the wastewater permit
- Permitted sludge processing facility
- Marketing and distribution as authorized in the wastewater permit
- Composting as authorized in the wastewater permit
- Permitted surface disposal site (sludge monofill)
- Surface disposal site (sludge monofill) authorized in the wastewater permit
- Transported to another permitted wastewater treatment plant or

permitted sludge processing facility. If you selected this method, a written statement or contractual agreement from the wastewater treatment plant or permitted sludge processing facility accepting the sludge must be included with this application.

Other:

B. Sludge disposal site

Disposal site name: STEVEN M CLOUSE WATER RECYCLING CENTER

TCEQ permit or registration number: 21372

County where disposal site is located: Bexar

C. Sludge transportation method

Method of transportation (truck, train, pipe, other): Truck

Name of the hauler: TBD

Hauler registration number: TBD

Sludge is transported as a:

Liquid semi-liquid semi-solid solid

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

A. Beneficial use authorization

Does the existing permit include authorization for land application of sewage sludge for beneficial use?

Yes No

If **yes**, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

Yes No

If **yes**, is the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)** attached to this permit application (see the instructions for details)?

Yes No

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

- | | | |
|--|------------------------------|-----------------------------|
| Sludge Composting | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| Marketing and Distribution of sludge | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| Sludge Surface Disposal or Sludge Monofill | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| Temporary storage in sludge lagoons | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

If **yes** to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)** attached to this permit application?

Yes No

Section 11. Sewage Sludge Lagoons (Instructions Page 61)

Does this facility include sewage sludge lagoons?

Yes No

If yes, complete the remainder of this section. If no, proceed to Section 12.

A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:

Attachment:

- USDA Natural Resources Conservation Service Soil Map:

Attachment:

- Federal Emergency Management Map:

Attachment:

- Site map:

Attachment:

Discuss in a description if any of the following exist within the lagoon area.

Check all that apply.

- Overlap a designated 100-year frequency flood plain
- Soils with flooding classification
- Overlap an unstable area
- Wetlands

- Located less than 60 meters from a fault
- None of the above

Attachment: [REDACTED]

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in Section 7 of Technical Report 1.0.

Nitrate Nitrogen, mg/kg: [REDACTED]

Total Kjeldahl Nitrogen, mg/kg: [REDACTED]

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [REDACTED]

Phosphorus, mg/kg: [REDACTED]

Potassium, mg/kg: [REDACTED]

pH, standard units: [REDACTED]

Ammonia Nitrogen mg/kg: [REDACTED]

Arsenic: [REDACTED]

Cadmium: [REDACTED]

Chromium: [REDACTED]

Copper: [REDACTED]

Lead: [REDACTED]

Mercury: [REDACTED]

Molybdenum: [REDACTED]

Nickel: [REDACTED]

Selenium: [REDACTED]

Zinc: [REDACTED]

Total PCBs: [REDACTED]

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [REDACTED]

Total dry tons stored in the lagoons(s) per 365-day period: [REDACTED]

Total dry tons stored in the lagoons(s) over the life of the unit: [REDACTED]

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

Yes No

If yes, describe the liner below. Please note that a liner is required.

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
Attachment: [REDACTED]
- Copy of the closure plan
Attachment: [REDACTED]
- Copy of deed recordation for the site
Attachment: [REDACTED]
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: [REDACTED]

- Description of the method of controlling infiltration of groundwater and surface water from entering the site

Attachment: [REDACTED]

- Procedures to prevent the occurrence of nuisance conditions

Attachment: [REDACTED]

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

Yes No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: [REDACTED]

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 63)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

Yes No

If yes, provide the TCEQ authorization number and description of the authorization:

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

Yes No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

Yes No

If yes to either question, provide a brief summary of the enforcement, the

implementation schedule, and the current status:

Section 13. RCRA/CERCLA Wastes (Instructions Page 63)

A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

Yes No

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

Yes No

C. Details about wastes received

If **yes** to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment:

Section 14. Laboratory Accreditation (Instructions Page 64)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
 - periodically inspected by the TCEQ; or
 - located in another state and is accredited or inspected by that state; or
 - performing work for another company with a unit located in the same site; or
 - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review *30 TAC Chapter 25* for specific requirements.

The following certification statement shall be signed and submitted with every application. See the *Signature Page* section in the Instructions, for a list of designated representatives who may sign the certification.

CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: Lonnie Wright

Title: Owner

Signature: 

Date: 5/18/22

DOMESTIC TECHNICAL REPORT 1.1

The following is required for new and amendment applications

Section 1. Justification for Permit (Instructions Page 66)

A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

Preliminary plans for the Guajolote Ranch development involve building a subdivision with approximately 2,900 living unit equivalents (LUE). Flows will be greater than 5,000 GPD and therefore a TCEQ discharge permit is required. There are no other WWTFs within a 3-mile radius of the proposed plant, and it is not economical to transport to any facilities beyond this distance. Development is within SAWS service area, however they declined to provide service (see Special Conditions Attachment below)

B. Regionalization of facilities

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

1. *Municipally incorporated areas*

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

Yes No Not Applicable

If yes, within the city limits of: [REDACTED]

If yes, attach correspondence from the city.

Attachment: [REDACTED]

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: [REDACTED]

2. *Utility CCN areas*

Is any portion of the proposed service area located inside another utility's CCN area?

Yes No

If yes, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: Special Conditions of the Utility Service Agreement

3. Nearby WWTPs or collection systems

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

Yes No

If yes, attach a list of these facilities that includes the permittee's name and permit number, and an area map showing the location of these facilities.

Attachment: N/A

If yes, attach copies of your certified letters to these facilities **and** their response letters concerning connection with their system.

Attachment: N/A

Does a permitted domestic wastewater treatment facility or a collection system located within three (3) miles of the proposed facility currently have the capacity to accept or is willing to expand to accept the volume of wastewater proposed in this application?

Yes No

If yes, attach an analysis of expenditures required to connect to a permitted wastewater treatment facility or collection system located within 3 miles versus the cost of the proposed facility or expansion.

Attachment: N/A

Section 2. Organic Loading (Instructions Page 67)

Is this facility in operation?

Yes No

If no, proceed to Item B, Proposed Organic Loading.

If yes, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application): [REDACTED]

Average Influent Organic Strength or BOD₅ Concentration in mg/l: [REDACTED]

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): [REDACTED]

Provide the source of the average organic strength or BOD₅ concentration.

B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

Table 1.1(1) - Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
Municipality		
Subdivision	1.000	300
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria,		

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	1.000	
AVERAGE BOD ₅ from all sources		300

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 68)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 5

Total Suspended Solids, mg/l: 5

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 1

Dissolved Oxygen, mg/l: 4

Other: [REDACTED]

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 5

Total Suspended Solids, mg/l: 5

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 1

Dissolved Oxygen, mg/l: 4

Other: [REDACTED]

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 5

Total Suspended Solids, mg/l: 5

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 1

Dissolved Oxygen, mg/l: 4

Other: [REDACTED]

D. Disinfection Method

Identify the proposed method of disinfection.

- Chlorine: 0.5 mg/l after 20 minutes detention time at peak flow
Dechlorination process: [REDACTED]
- Ultraviolet Light: [REDACTED] seconds contact time at peak flow
- Other: [REDACTED]

Section 4. Design Calculations (Instructions Page 68)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: Design Calculations

Section 5. Facility Site (Instructions Page 68)

A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

Yes No

If no, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

Provide the source(s) used to determine 100-year frequency flood plain.

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

Yes No

If yes, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

Yes No

If yes, provide the permit number: _____

If no, provide the approximate date you anticipate submitting your application to the Corps: _____

B. Wind rose

Attach a wind rose. **Attachment:** San Antonio Wind Rose

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 69)

A. Beneficial use authorization

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

Yes No

If yes, attach the completed Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)

Attachment: [REDACTED]

B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

- Sludge Composting
- Marketing and Distribution of sludge
- Sludge Surface Disposal or Sludge Monofill

If any of the above sludge options are selected, attach a completed DOMESTIC WASTEWATER PERMIT APPLICATION: SEWAGE SLUDGE TECHNICAL REPORT (TCEQ Form No. 10056).

Attachment: [REDACTED]

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 69)

Attach a solids management plan to the application.

Attachment: Sludge Management Plan

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

DOMESTIC TECHNICAL REPORT WORKSHEET 2.0

RECEIVING WATERS

The following is required for all TPDES permit applications

Section 1. Domestic Drinking Water Supply (Instructions Page 73)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

Yes No

If yes, provide the following:

Owner of the drinking water supply: _____

Distance and direction to the intake: _____

Attach a USGS map that identifies the location of the intake.

Attachment: _____

Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)

Does the facility discharge into tidally affected waters?

Yes No

If yes, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: _____

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

Yes No

If yes, provide the distance and direction from outfall(s).

C. Sea grasses

Are there any sea grasses within the vicinity of the point of discharge?

Yes No

If yes, provide the distance and direction from the outfall(s).

Section 3. Classified Segments (Instructions Page 73)

Is the discharge directly into (or within 300 feet of) a classified segment?

Yes No

If yes, this Worksheet is complete.

If no, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 75)

Name of the immediate receiving waters: Helotes Creek (1906A)

A. Receiving water type

Identify the appropriate description of the receiving waters.

- Stream
- Freshwater Swamp or Marsh
- Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

Average depth of water body within a 500-foot radius of discharge point, in feet:

- Man-made Channel or Ditch

- Open Bay
- Tidal Stream, Bayou, or Marsh
- Other, specify: Ephemeral Creek

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

- Intermittent - dry for at least one week during most years
- Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

- USGS flow records
- Historical observation by adjacent landowners
- Personal observation
- Other, specify:

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

N/A

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

- Yes No

If yes, discuss how.

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

Ephemeral creek for most normal weather occurrences during the year.

Date and time of observation: 15 Dec 2021, 12:00PM

Was the water body influenced by stormwater runoff during observations?

Yes No

Section 5. General Characteristics of the Waterbody (Instructions Page 74)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

- | | |
|---|---|
| <input type="checkbox"/> Oil field activities | <input type="checkbox"/> Urban runoff |
| <input type="checkbox"/> Upstream discharges | <input type="checkbox"/> Agricultural runoff |
| <input type="checkbox"/> Septic tanks | <input type="checkbox"/> Other(s), specify |

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

- | | |
|--|---|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |

- Domestic water supply
- Industrial water supply
- Park activities
- Other(s), specify

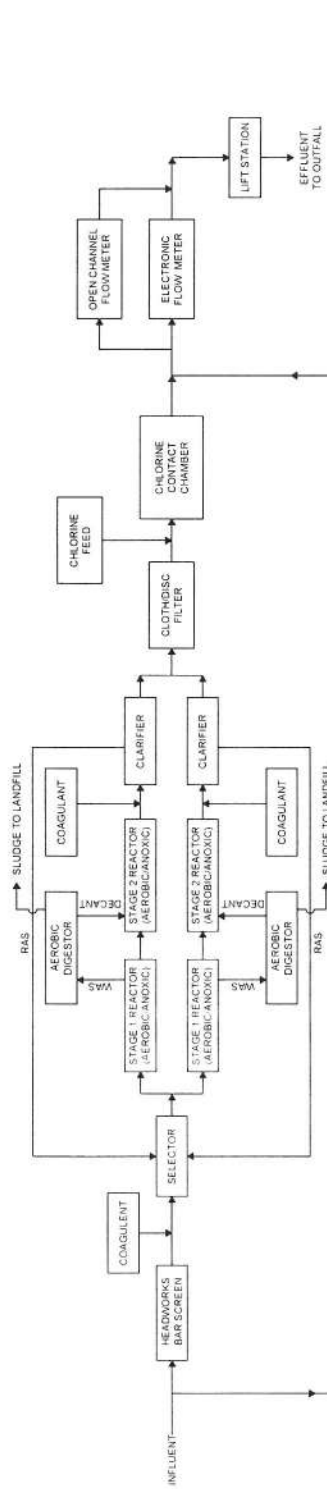
C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

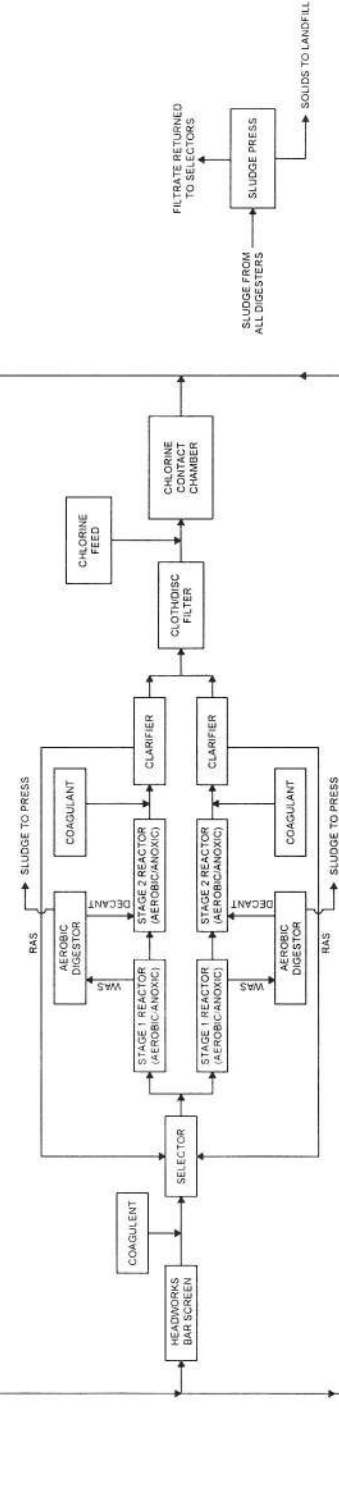
- Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored
- Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

Guajolote Ranch WRRF Permit Domestic Admin Report 1.0 - Section 2 Process Flow Diagram

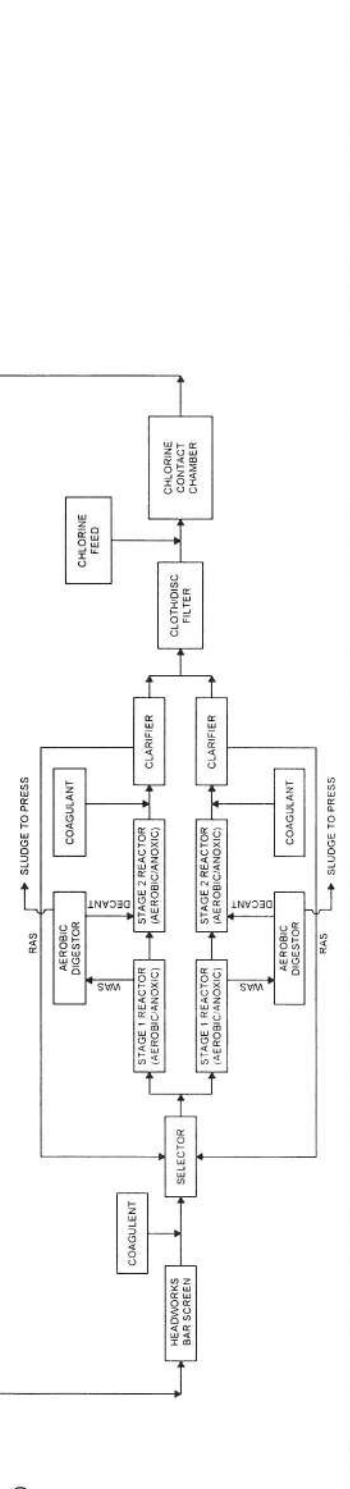
PHASE I FLOW = 200,000 GPD



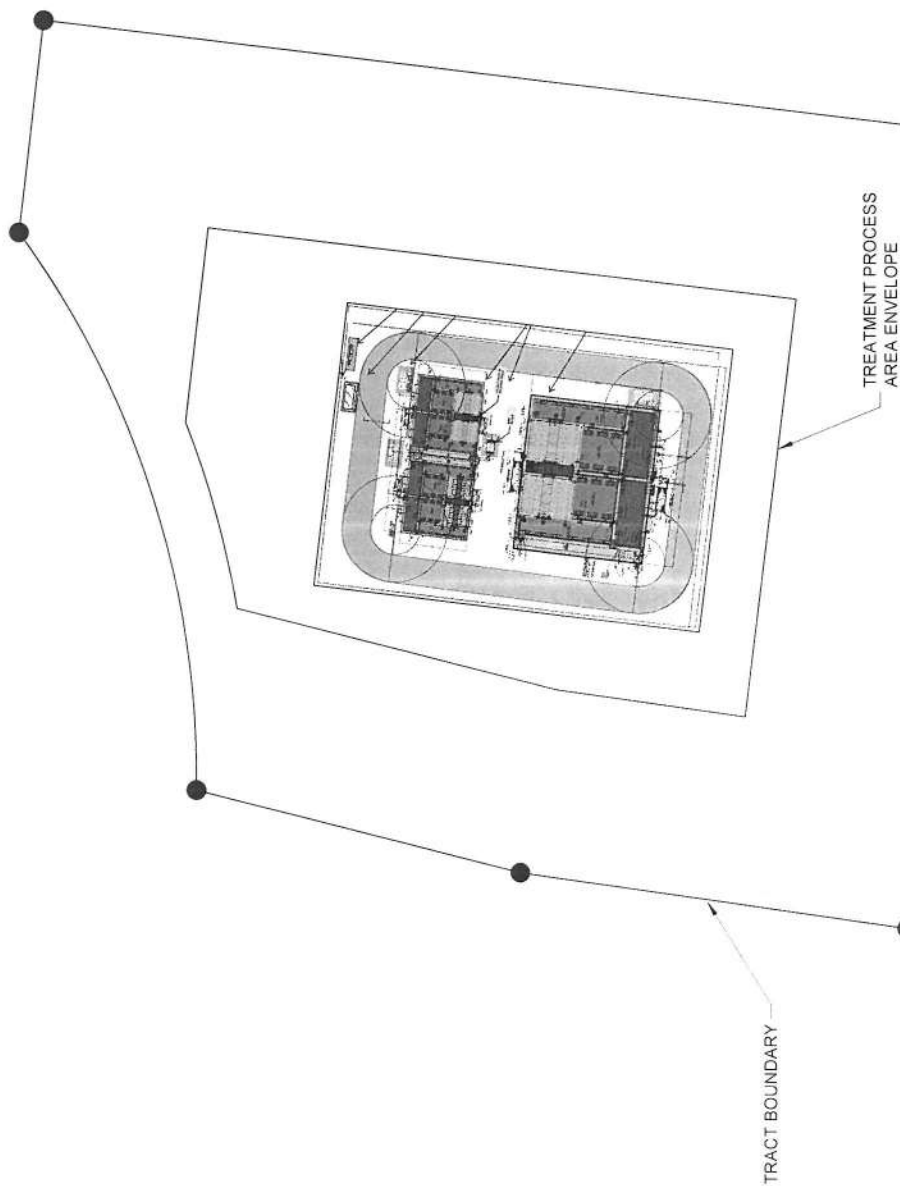
PHASE II FLOW = 400,000 GPD



PHASE III FLOW = 1,000,000 GPD

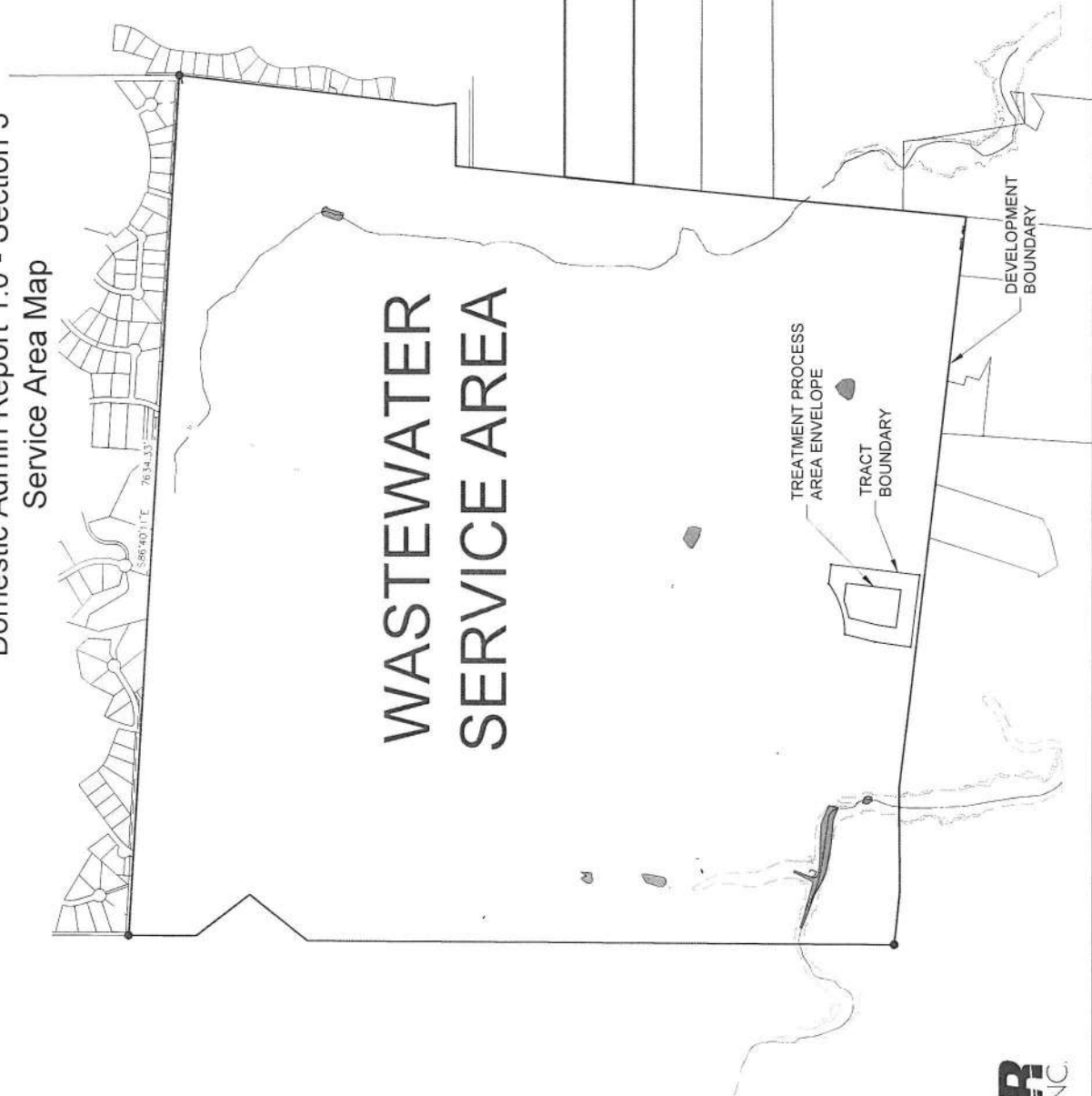


Guajolote Ranch WRRF Permit
Domestic Admin Report 1.0 - Section 3
Site Map



Guajolote Ranch WRRF Permit
Domestic Admin Report 1.0 - Section 3
Service Area Map

WASTEWATER SERVICE AREA



SPECIAL CONDITIONS OF THE UTILITY SERVICE AGREEMENT

WASTEWATER SERVICE

S.C.1.00 Tract Location and Ultimate Demand.

Guajolote Ranch, a 1160-acre tract outside the City of San Antonio limits, is located on the western ROW of Scenic Loop Rd approximately 800 feet north of Babcock Rd, as shown in Attachment VI (the "Tract") and lies within SAWS' Upper Collection and Treatment Area (UCTA). The Tract is located partially over the Edwards Aquifer Recharge or Contributing Zone and is located within the 5-mile Awareness Zone of Camp Bullis. The proposed Tract is located inside SAWS' water CCN, outside SAWS' wastewater CCN and does require SAWS' financial participation in the development of infrastructure through oversizing or impact fee credits, therefore, Board Action is required.

The ultimate demand from the proposed development, on SAWS' wastewater infrastructure, shall not exceed 0 equivalent dwelling units (EDUs) of wastewater discharge.

S.C.2.00 Infrastructure Requirements.

The proposed development is not permitted to discharge into SAWS wastewater system.

Should the Developer choose to utilize on-site septic systems. Developer agrees to secure appropriate utility permits from the Bexar County Public Works Department. All septic wastewater utilities shall be aerobic and shall be designed and constructed in accordance with the requirements of the Bexar County Public Works Department.

Should the Developer choose to utilize an on-site wastewater treatment facility, the Developer shall ensure that the wastewater treatment plant will, at a minimum, meet all required design and treatment standards for facilities discharging within 5 miles of the Edwards Aquifer Recharge Zone in accordance with Texas Commission on Environmental Quality Rules and Regulations. In addition, the Developer shall ensure that increased treatment requirements, to include advanced nutrient removal and effluent filtration, are implemented with a goal of protecting the Edwards Aquifer.

The Developer agrees that the Discharge Permit will not be increased in capacity or modified to a different type of permit in the future and that the wastewater treatment plant will only serve properties within the boundaries of the 1,160-acre Tract and the resulting wastewater which is generated from those properties. Developer agrees to notify SAWS in writing within 3 days of filing any application to modify the permit. Furthermore, the Developer agrees to coordinate with SAWS regarding the discharge location and that the wastewater effluent will be discharged on the Developers property at least 1-mile upstream of any other properties before exiting the property.

The Developer agrees that the plant will be operated and managed by a wastewater operator licensed at the A level and in good standing, and to request that TCEQ include such a requirement in any wastewater discharge permit issued authorizing the operation of the plant. The Developer also agrees that any irrigation use of the wastewater discharge shall include soil supplementation to the area being irrigated to properly absorb the effluent, which shall also be a part of the request for a discharge permit.

The Developer agrees to setting aside 50 percent of this project as open space and restricting the site to 30 percent impervious cover.

Nothing in this Agreement shall be construed as a waiver of any rights that the City of San Antonio or SAWS may have to protest or oppose an application for a discharge permit at the Texas Commission on Environmental Quality or a certificate of convenience and necessity at the Texas Public Utility Commission.



Domestic Technical Report 1.1 – Attachment: Design Calculations

*All phases of the treatment facility will be designed according to the requirements of 30 TAC Chapter 217
(Design Criteria for Domestic Wastewater Systems)*

Influent Wastewater Quality Characteristics – The raw sewage characteristics used for design purposes in both Phase I and Final Phase are as follows:

Parameter	Concentration
BOD ₅	300 mg/L
TSS	300 mg/L
TKN	60 mg/L
TP	10 mg/L

Phase I Influent Flow Characteristics – The Phase I facility process and hydraulic design flows are as follows:

Flow	Gallons Per Day	Gallons Per Minute
Average Daily Flow (Q _{avg})	200,000	138.9
Peak 2-Hour Flow (Q _{pk})	800,000	555.6

Loading	Pounds Per Day
BOD ₅	500.7
TSS	500.7

Phase II Influent Flow Characteristics – The Phase I facility process and hydraulic design flows are as follows:

Flow	Gallons Per Day	Gallons Per Minute
Average Daily Flow (Q _{avg})	400,000	277.8
Peak 2-Hour Flow (Q _{pk})	1,200,000	1,111.1

Loading	Pounds Per Day
BOD ₅	1,001.4
TSS	1,001.4

Final Phase Influent Flow Characteristics – The Final Phase facility process and hydraulic design flows are as follows:

Flow	Gallons Per Day	Gallons Per Minute
Average Daily Flow (Q _{avg})	1,00,000	694.4
Peak 2-Hour Flow (Q _{pk})	4,000,000	2,777.8

Loading	Pounds Per Day
BOD ₅	2,504
TSS	2,504

Process Design – The treatment facility will be designed to produce an effluent quality that complies with the proposed permitted parameters:

Parameter	Concentration
BOD ₅	5 mg/L
TSS	5 mg/L
TKN	2 mg/L
DO	4 mg/L

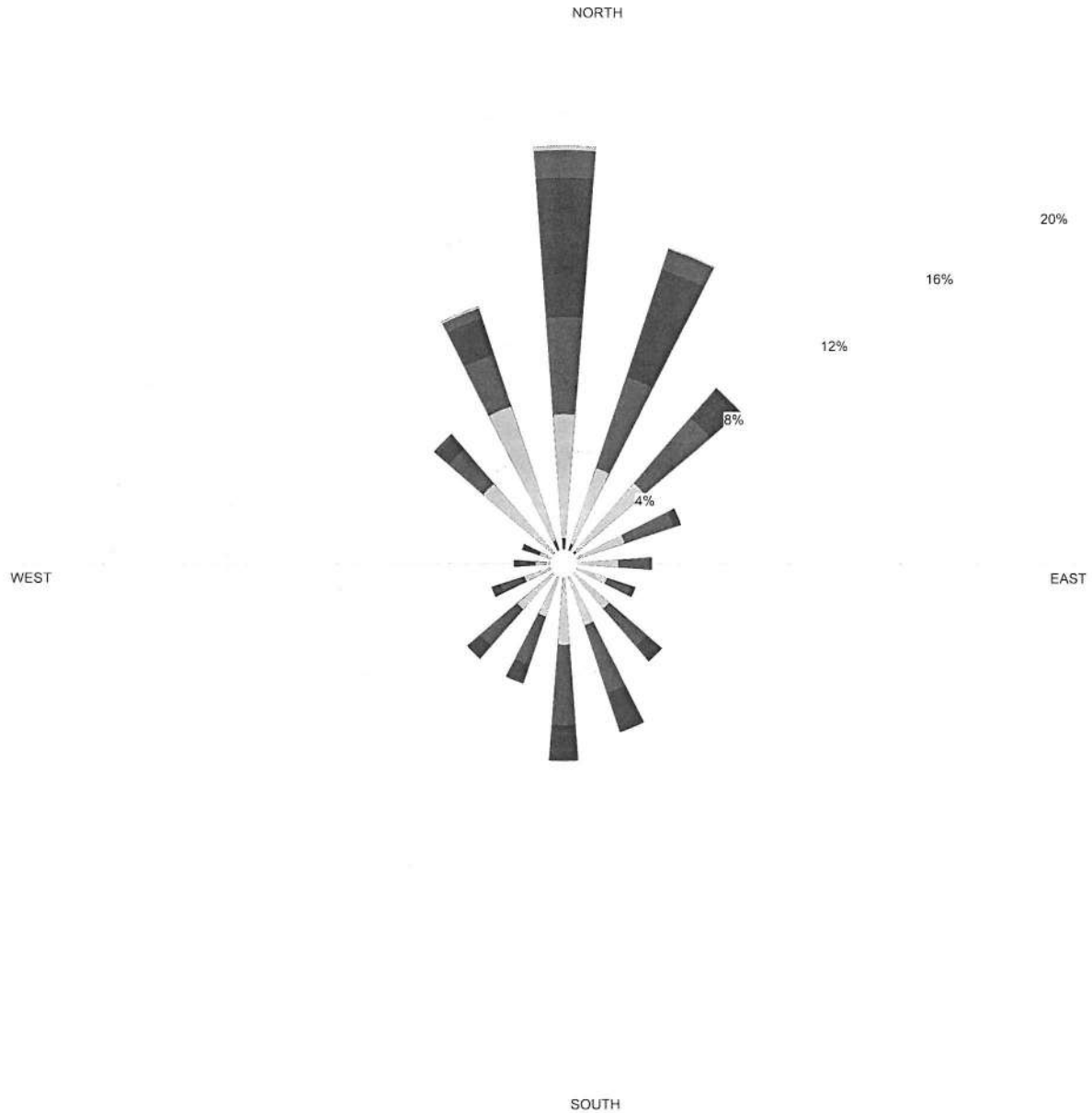
Facility Design Features

1. Excessive Inflow
 - a. A peaking factor of 4.0 is used to insure adequate hydraulic capacity.
 - b. Pumping systems have been designed to operate at peak flow with the largest pump out of service.
 - c. All piping is sized to handle anticipated peak flows.
 - d. Overflow from open top basins will be caught and redirected to largest holding tank to further prevent any spill incidents.
2. Emergency Power Requirements
 - a. Emergency/back-up power will be supplied by an on-site generator that will be designed to provide continuous and sufficient power to all process equipment (i.e. pumps, blowers, mixers, etc.)
3. Equipment Malfunction
 - a. Cascading flow design and limited equipment minimizes points of failure and tendency of malfunction.
 - b. All pumps and blowers used throughout the process will maintain at least a 1.5X redundancy factor during operation.
4. Facility Maintenance and Repair
 - a. Equipment monitoring will take place for all process equipment and will record usage according to the appropriate metrics. Maintenance schedules will be developed per these metrics and manufacturer specifications.

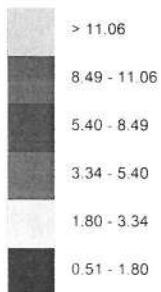
Domestic Technical Report 1.1 - Attachment: Wind Rose

WIND ROSE PLOT

Station #12921 - SAN ANTONIO/WSFO, TX



Wind Speed (m/s)



MODELER
Sara West

DISPLAY
Wind Speed

AVG. WIND SPEED
4.06 m/s

ORIENTATION
**Direction
(blowing from)**

DATE
8/29/2002

UNIT
m/s

CALM WINDS
6.40%

PLOT YEAR-DATE-TIME
**1961
Dec 1 - Dec 31
Midnight - 11 PM**

COMPANY NAME
USDA-ARS

COMMENTS

Domestic Technical Report 1.1 – Attachment: Sludge Management Plan

- (a) Dimensions and capacities of all sewage sludge handling and treatment units and processes include the following:

For Phase I: 0.200MGD

Treatment Unit	Number of Units	Dimensions	Capacity
Aerobic Digester	2	9' x 33' x 14'SWD	62,000 gal

For Phase II: 0.400 MGP

Treatment Unit	Number of Units	Dimensions	Capacity
Aerobic Digester	4	9' x 33' x 14'SWD	124,000 gal
Sludge Press	1	40' x 25' (L x W)	2 ton per day

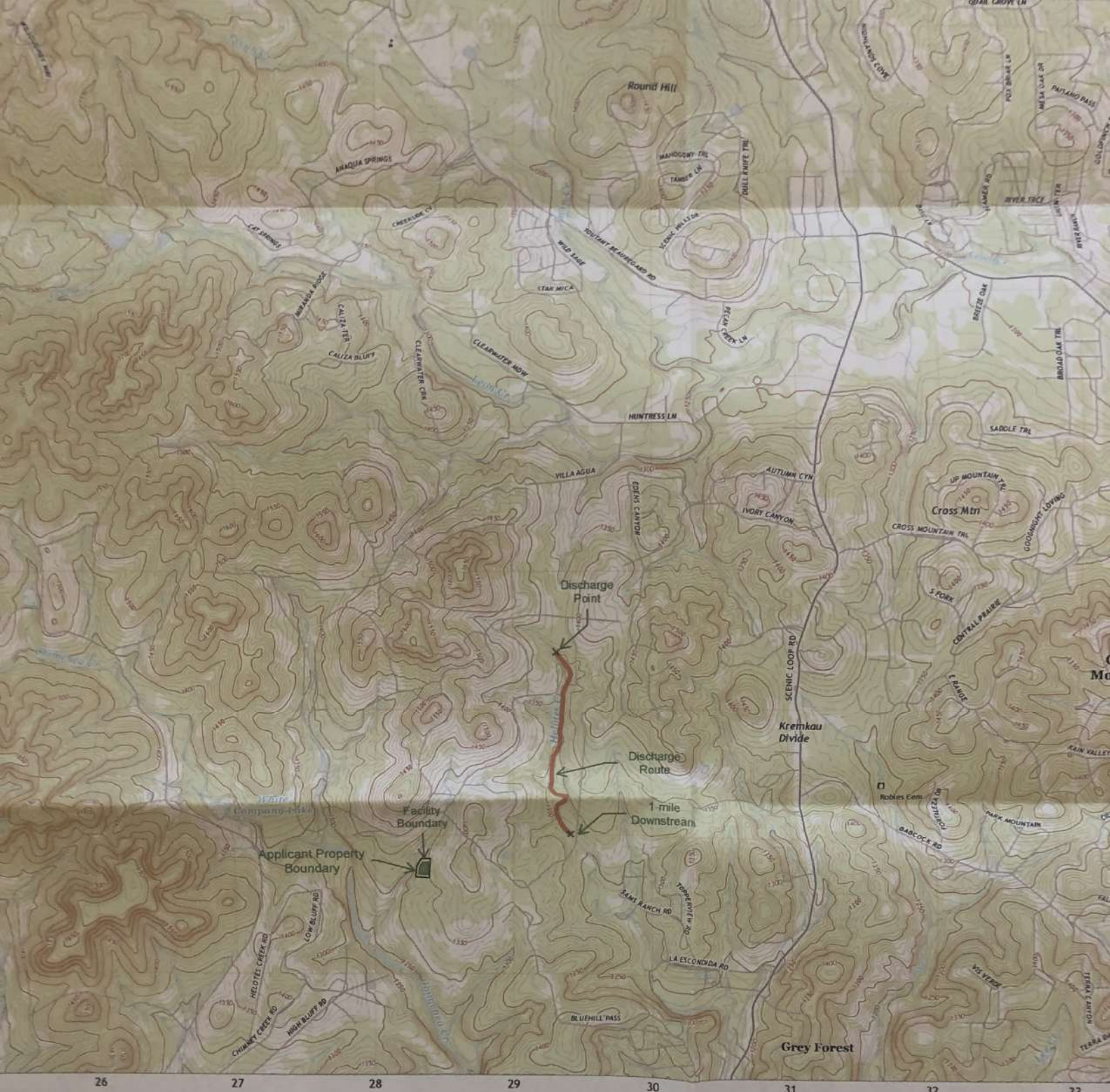
For Final Phase: 1.000 MGD

Treatment Unit	Number of Units	Dimensions	Capacity
Aerobic Digester	4	9' x 33' x 14'SWD	124,000 gal
Aerobic Digester	2	10' x 48' x 14'SWD	100,000 gal
Sludge Press	1	40' x 25' (L x W)	2 ton per day

- (b) The amount of solids generated at expected increments of the design flows is provided in the following table:

Phase	100% Flow	75% Flow	50% Flow	25% Flow
Phase I	4,000	3,000	2,000	1,000
Phase II	8,000	6,000	4,000	2,000
Final Phase	20,000	15,000	10,000	5,000

- (c) The plant, in all phases, is designed to operate at a mixed liquor suspended solids (MLSS) concentration of 3,750 mg/L. Adjustments will be made to maintain this MLSS concentration at lower flow rates.
- (d) For Phase I, wet solids will be removed from the aerobic digester as needed to maintain MLSS and SRT. Wet solids will be hauled and disposed of at the ultimate disposal site. For Phase II and Final Phase, MLSS concentration and solid removal will be maintained through means of a sludge press. Wet solids will be cycled through a sludge press, where dewatered solids will then be removed and hauled to the ultimate disposal site.
- (e) The ultimate disposal site will be the Steven M Clouse Water Recycling Center, which is owned by SAWS. Documentation of disposal will be recorded on a disposed weight basis.



26 27 28 29 30 31 32 33

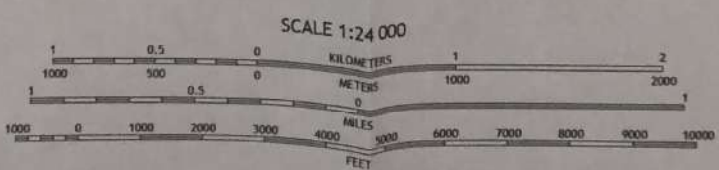
United States Geological Survey
 datum of 1983 (NAD83)
 datum of 1984 (WGS84). Projection and
 Universal Transverse Mercator, Zone 14R
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NAIP, September 2016 - November 2016
 U.S. Census Bureau, 2015 - 2018
 GNSS, 1979 - 2018
 National Hydrography Dataset, 2000 - 2018
 National Elevation Dataset, 2003
 Multiple sources, see metadata file 2016 - 2017
 FWS National Wetlands Inventory 1983

UTM GRID AND 2019 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

4°12' 75 MILS
 0°9' 3 MILS

U.S. National Grid
 100,000 - m Square ID
 NT
 Grid Zone Designator
 14R

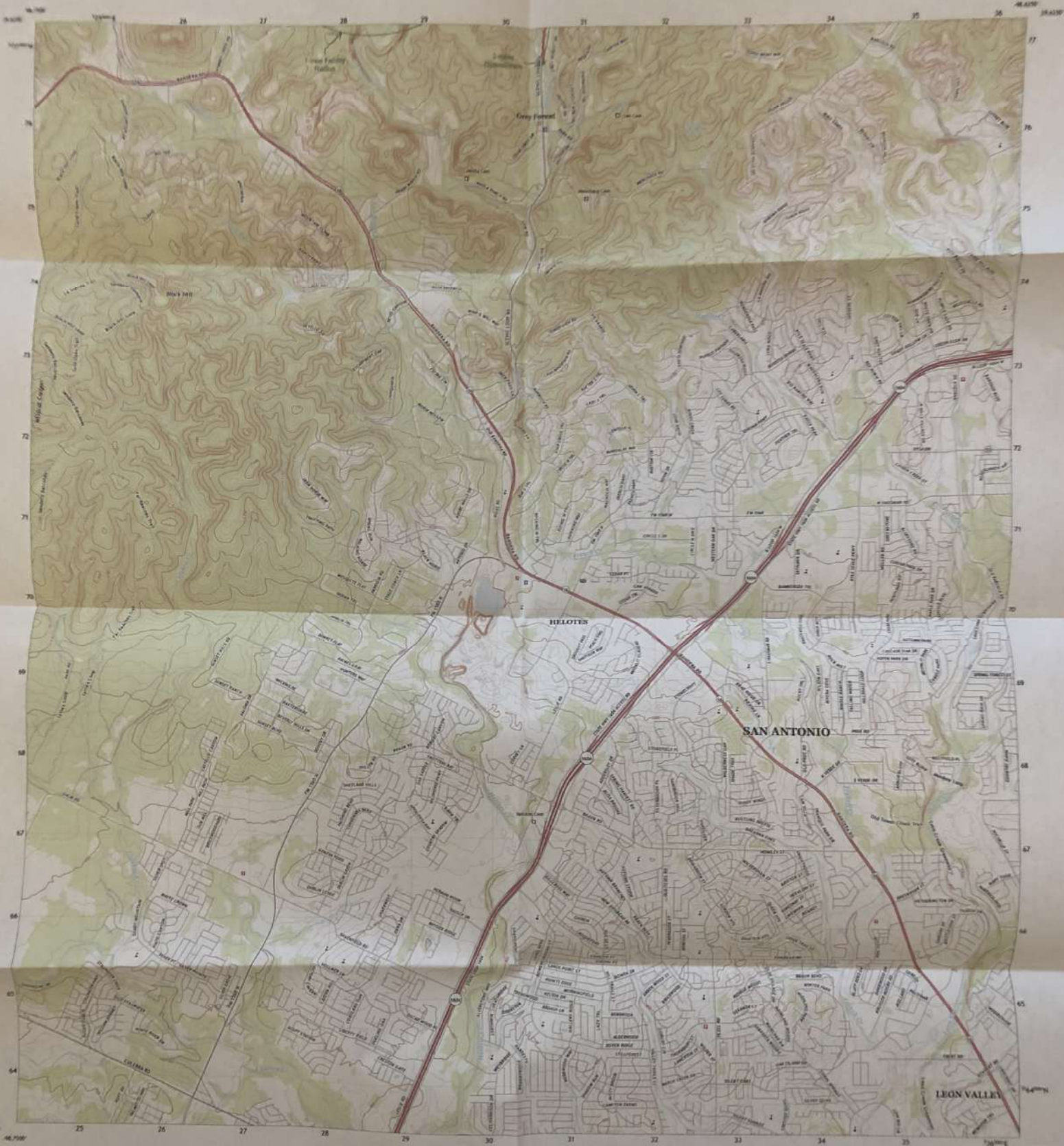


CONTOUR INTERVAL 10 FEET
 NORTH AMERICAN VERTICAL DATUM OF 1988
 This map was produced to conform with the
 National Geospatial Program US Topo Product Standard, 2011.
 A metadata file associated with this product is draft version 0.6.18



1	2	3	1 Ranger Creek
4	5	2 Boerne	3 Bergholm
6	7	8	4 Jack Mountain 5 Camp Bullis 6 San Geronimo 7 Hobbes 8 Castle Hills

ADJOINING QUADRANGLES



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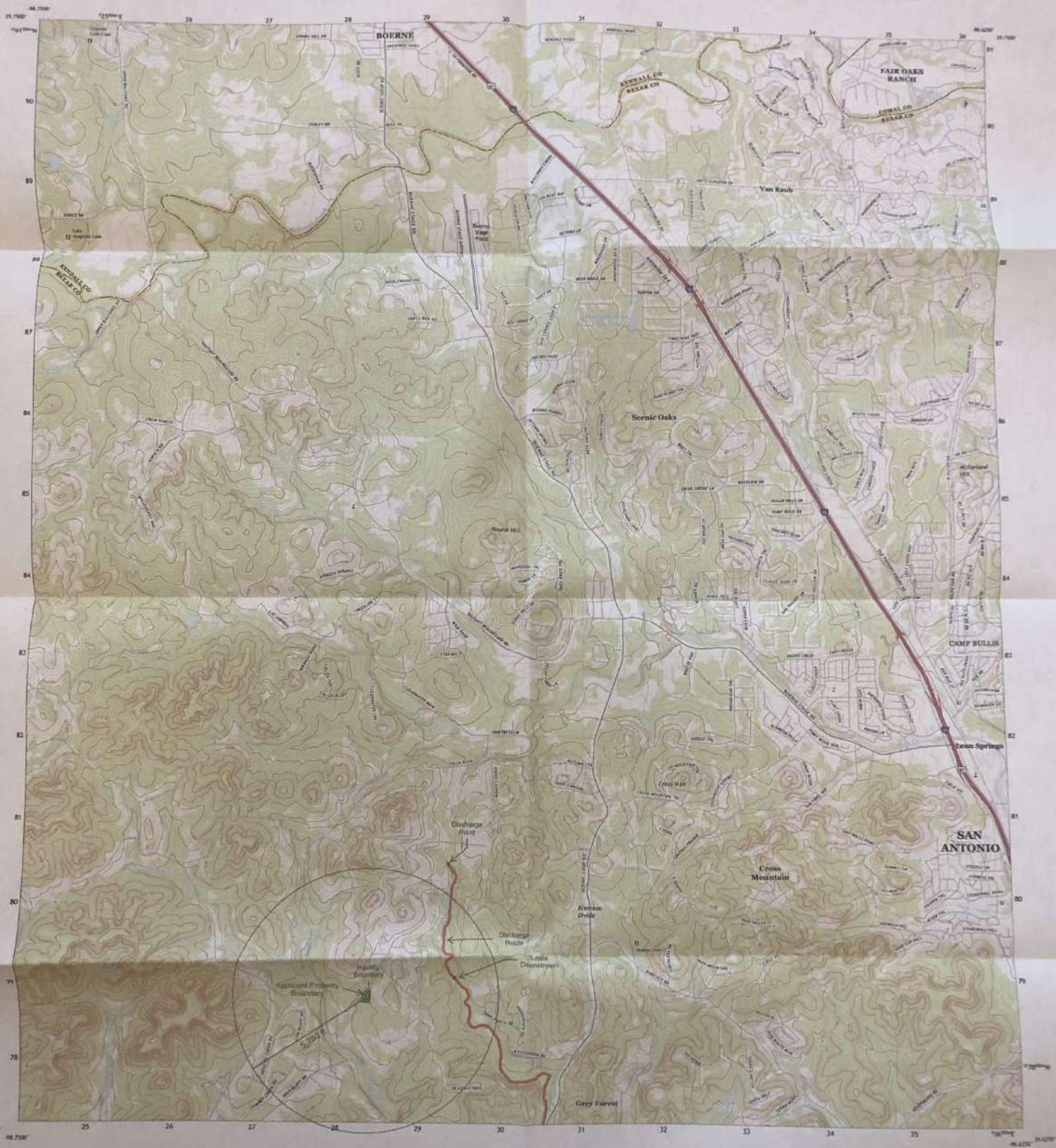


ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Road	Local Road
Route	Trail
Interstate Route	US Route
	State Route

1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
0	0	0	0	0

COMPILER: NATIONAL MAP SERVICE
NORTH AMERICAN DATUM OF 1983
This map was produced in conjunction with the
National Geospatial Program of the United States Geological Survey, 2011.
It contains the information on this product to date, version 4.4.18.



Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1000-meter grid (contour) Transverse Mercator, Zone 14B
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imagery	USGS	September 2014	November 2014
roads	USGS	October 2014	December 2014
relief	USGS	July 1989	2014
hydrography	National Hydrography Dataset	2006	2014
contours	National Elevation Dataset	2003	2014
boundaries	Statewide Address and Postcode File	2014	2014
metadata	FWS	Metadata	Inventory 1983



CENTIMETER EQUAL IN FEET
NORTH AMERICAN DATUM OF 1983

This map was produced in conformance with the
National Geospatial Program Data Update, December 2011.
A correlation file associated with this product is available under 0.16.

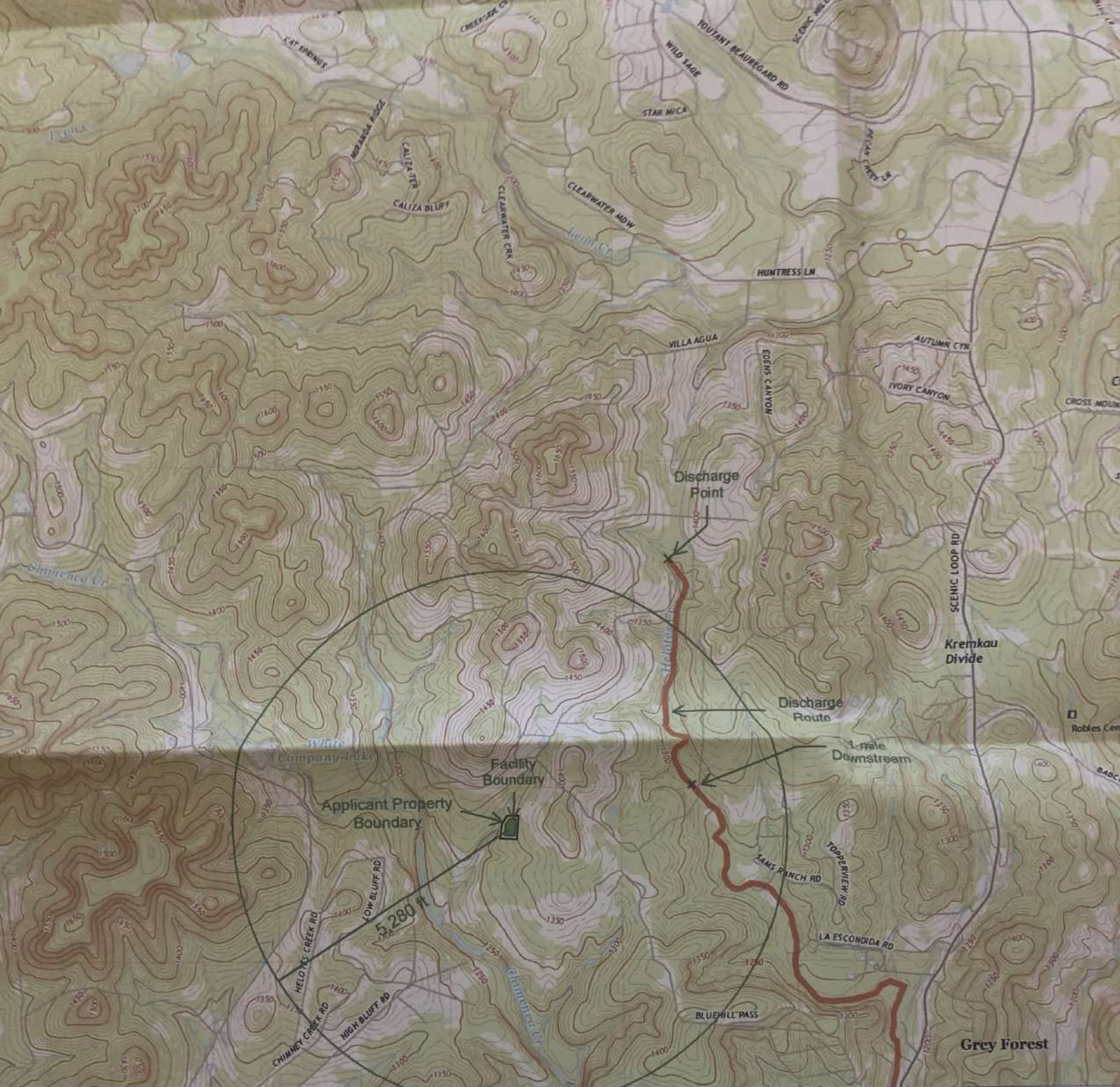


ROAD CLASSIFICATION

Expressway	Trunk Connector
Secondary Road	Local Road
Artery	Loop
Interstate Route	State Route
	State Route

1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10





26

27

28

29

30

31

United States Geological Survey
 datum of 1983 (NAD83)
 datum of 1984 (WGS84). Projection and
 datum Transverse Mercator, Zone 14R
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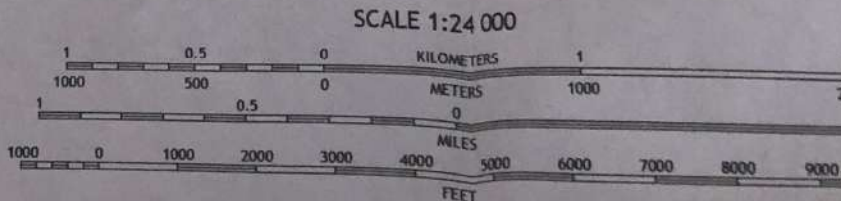
.....NAIP, September 2016 - November 2016
 U.S. Census Bureau, 2015 - 2018
 GNIS, 1979 - 2018
 National Hydrography Dataset, 2000 - 2018
 National Elevation Dataset, 2003
 Multiple sources; see metadata file 2016 - 2017
 FWS National Wetlands Inventory 1983

UTM GRID AND 2019 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

4°12'
 75 MILS

0°0'
 3 MILS

U.S. National Grid
 100,000 - m Square ID
 NT



SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
 NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
 National Geospatial Program US Tono Product Standard, 2011.

