Administrative Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
   - English
   - Alternative Language (Spanish)
2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
   - English
   - Alternative Language (Spanish)
3. Application materials

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

1. Resumen de la solicitud (en lenguaje sencillo)
   - Inglés
   - Idioma alternativo (español)
2. Primer aviso (NORI- Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
   - Inglés
   - Idioma alternativo (español)
3. Materiales de la solicitud

Section 15. Plain Language Summary (Instructions Page 40)

If you are subject to the alternative language notice requirements in 30 Texas Administrative Code §39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

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.

Lakshmi Land Group LLC proposes to operate Georgetown 245 WWTP RN Unnassianged, a Domestic wastewater treatment plant. The facility will be located approximately 0.25 miles West from the intersection of East State HWY 29 and County Road 192, in Jonah, William County, Texas 78626.

This permit is to authorize the discharge of treated domestic wastewater to a volume not to exceed an average flow of 900,00 MGD per day.

Discharges from the facility are expected to contain14. List all expected pollutants here..Domestic wastewater will be treated by *an activated sludge processing plant and the treatment units will include a bar screen, a grit chamber, aeration basin, sludge digester, final clarifier, a belt press and chlorine contact chamber*.

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.

1. Introduzca el nombre del solicitante aquí. (2. Introduzca el número de cliente aquí (es decir, CN6 #########).) 3. Elija del menú desplegable. 4. Introduzca el nombre de la instalación aquí. 5. Introduzca el número de entidad regulada aquí (es decir, RN1 #########). 6. Elija del menú desplegable. 7. Introduzca la descripción de la instalación aquí. . La instalación 8. Elija del menú desplegable. ubicado 9. Introduzca la ubicación aquí. , en 10. Introduzca el nombre de la ciudad aquí. , Condado de 11. Introduzca el nombre del condado aquí. , Texas 12. Introduzca el código postal aquí. . 13. Introduzca el resumen de la solicitud de solicitud aquí. *<<Para las aplicaciones de TLAP incluya la siguiente oración, de lo contrario, elimine:>>* Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan14. Liste todos los contaminantes esperados aquí. . 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable. tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

Lakshmi Land Group LLC propone operar Georgetown 245 WWTP RN Unnassigned. Una planta da tratamiento de aguas residuales domesticas. La instalacion estara ubicada aproximadamente a 0.25 millas al oeste de la interseccion de East State HWY 29 y County Road 192, en Jonah, Williamson County, Texas 78626. Este permiso es para autorizar la descarga de aguas resduales domesticas tratadas a un volumen que no exceda un flujo promedio de 900,000 MGD por dia.

Las aguas residuales domésticas serán tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluirán una pantalla de barra, una cámara de arena, un recipiente de aireación, un digestor de lodos, un clarificador final, una prensa de banda y una cámara de contacto de cloro.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PROPOSED PERMIT NO. WQ0016549001

APPLICATION. Lakshmi Land Group LLC, 1821 Margaret Street, Austin, Texas 78704, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016549001 (EPA I.D. No. TX0146102) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 900,000 gallons per day. The domestic wastewater treatment facility will be located approximately 0.48 miles west of the intersection of County Road 192 and East State Highway 29, in Williamson County, Texas 78626. The discharge route will be from the plant site to a roadside ditch; thence to a man made ditch; thence to San Garbriel/North Fork San Gabriel River. TCEQ received this application on January 24, 2024. The permit application will be available for viewing and copying at Round Rock Public Library, 200 East Liberty Avenue, Round Rock, in Williamson County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. 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://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.512777,30.643611&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

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.**

TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

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. All 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 Lakshmi Land Group LLC at the address stated above or by calling Mr. Adan Rangel, P.E., Project Manager, at 512-806-0285.

Issuance Date: July 2, 2024

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. WQ0016549001

SOLICITUD. Lakshmi Land Group LLC, 1821 Margaret Street, Austin Texas 78704, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016549001 (EPA I.D. No. TX 0146102) 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 900,000 galones por día. La planta estará ubicada aproximadamente 0.48 millas al oeste de la intersección de County Road 192 y East State Highway 29, en el Condado de Williamson, Texas 78626. La ruta de descarga es del sitio de la planta a una zanja al borde de la carretera; de allí a una zanja hecha por el hombre; de allí a San Gabriel/North Fork Río San Gabriel. La TCEQ recibió esta solicitud el 24 de enero de 2024. La solicitud para el permiso está disponible para leerla y copiarla en la Biblioteca de Round Rock, 200 East Liberty Avenue, Round Rock, en el Condado de Williamson, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. 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://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.512777,30.643611&level=18

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. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas 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 especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del

público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. 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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional del Lakshimi Land Group LLC a la dirección indicada arriba o llamando a Mr. Adan Rangel al 512-806-0285.

Fecha de emisión: 2 de julio de 2024

Erwin Madrid

From: Adan Rangel <arangel@bgeinc.com>
Sent: Thursday, June 27, 2024 5:29 PM
To: Erwin Madrid
Cc: Joseph Yaklin; Daniel Monroe; Daniel Lacour
Subject: RE: Application for Proposed Permit No. WQ0016549001 - Notice of Deficiency Letter
Attachments: Comment Response.pdf; Affected Property Owner Lables.docx; dom-tpdes-new-nori-munechno.docx

Erwin,

Attached is our response to the NOD. Let me know if you need additional information.

Thanks,

Adan Rangel, P.E.
BGE, Inc.
101 West Louis Henna Blvd., Suite 400
Austin, TX 78728
Direct: 512-806-0285

Serving. Leading. Solving.™

From: Jason Toy <jasontoy22@gmail.com>
Sent: Tuesday, June 25, 2024 7:28 PM
To: Dimas Ramadhan <DRamadhan@bgeinc.com>; Joseph Yaklin <JYaklin@bgeinc.com>
Subject: Fwd: Application for Proposed Permit No. WQ0016549001 - Notice of Deficiency Letter

Please see below for the attached.

Jason O. Toy, MD
(551) 427-8533

---------- Forwarded message ---------
From: **Erwin Madrid** <Erwin.Madrid@tceq.texas.gov>
Date: Tue, Jun 25, 2024 at 5:06 PM
Subject: Application for Proposed Permit No. WQ0016549001 - Notice of Deficiency Letter
To: jasontoy22@gmail.com <jasontoy22@gmail.com>
CC: rrychlik@bgeinc.com <rrychlik@bgeinc.com>

Dear applicant,

The attached Notice of Deficiency letter sent on **June 25, 2024**, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by **July 9, 2024**.

Regards,

Erwin Madrid
Team Lead
ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality

Date: June 27th, 2024

To: Texas Commission on Environmental Quality

From: Adan Rangel, P.E.

Reference: WQ0016549001, Georgetown 245 WWTP

To whom it may concern,

Below is the complete response to the comments sent on June 25th, 2024.

1. A phone number has been added for the applicant. Attached is the revised Pg 2 of the Core Data Form.
2. Page 8 of the administrative report has been corrected to show Lakshmi Land Group LLC as the landowner and owner.
3. A word document for the mailing labels is attached.
4. Please update the contact information for Mr. Richard Rychlik Jr as he is no longer with us. The new contact will be Adan Rangel, P.E., Project Manager, at 512-806-0285.
5. The Spanish Notice of Receipt of Application and Intent is attached to this email.

Please let me know if there is anything further you need from us. You can reach me at 512-806-0285.

Thank you,

Adan Rangel, P.E.

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(551) 427-8533		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Georgetown 245 WWTP

23. Street Address of the Regulated Entity: ***(No PO Boxes)***								
	City	Jonah	**State**	TX	**ZIP**	78626	**ZIP + 4**	
24. County	Williamson							

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

25. Description to Physical Location:	The facility is located approximately 0.48 miles West from the intersection of East State HWY 29 and County Road 192, in Jonah, Williamson County, Texas 78626

26. Nearest City	State	Nearest ZIP Code
Jonah	TX	78626

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	38	37.64	97	30	46.94

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

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

Wastewater Utilties

34. Mailing Address:	1821 Margaret St							
	City	Austin	**State**	TX	**ZIP**	78704	**ZIP + 4**	
35. E-Mail Address:	jasontoy22@gmail.com							

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(551) 427-8533		( ) -

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

   ☐ Yes ☒ No

5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

F. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: Appendix M

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 33)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** Click here to enter text

Search the TCEQ's Central Registry at http://www15.tceq.texas.gov/crpub/ to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

Georgetown 245 WWTP

C. Owner of treatment facility: Lackshmi Land Group LLC

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix (Mr., Ms., Miss): Click here to enter text

First and Last Name: Lackshmi Land Group LLC

Mailing Address: 1821 Marget St

City, State, Zip Code: Austin, TX, 78704

Phone No.: (551) 427-8533 E-mail Address: jasontoy@gmail.com

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: Click here to enter text

E. Owner of effluent disposal site:

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

First and Last Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

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. WQ0016549001

SOLICITUD. *Lakshmi Land Group LLC 1821 Margaret Street Austin, Texas 78704* ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ00**16549001** (EPA I.D. No. TX 0146102) 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 900,000 galones por día. La planta está ubicada 0.48 millas al oeste del intersección de County Road 192 y East State Highway 29 en el Condado de Williamson, Texas. La ruta de descarga es del sitio de la planta a una zanja al borde de la carretera; de allí a una zanja hecha por el hombre; de allí a San Gabriel/North Fork Río San Gabriel. La TCEQ recibió esta solicitud el 24 de Enero, 2024 La solicitud para el permiso está disponible para leerla y copiarla en la Biblioteca de Round Rock, 200 East Liberty Avenue, Round Rock, en el Condado de Williamson, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. 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://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.512777,30.643611&level=18

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. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas 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 especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at www.tceq.texas.gov/about/comments.html. 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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: www.tceq.texas.gov.

También se puede obtener información adicional del Lakshimi Land Group LLC a la dirección indicada arriba o llamando a Mr. Adan Rangel al 512-806-0285.

Fecha de emisión: 24 de Enero, 2024

WADLEY, RANDY W & JENNIFER L
11431 EAST HIGHWAY 29
GEORGETOWN, TEXAS 78626

WHATLEY JULIA BYROM & JAMES
MARK BYROM & CAROLYN BYROM JANCHA
1501 CANYON WREN DRIVE
MCKINNEY TEXAS 75071

PALACIOS RAUL & LUCERITO HERNANDEZ
505 NORTH BURNET STREET
ROUND ROCK, TEXAS 78664

FRIENDLY RESTORATION SERVICE
LLC
235 COUNTY ROAD 127
GEORGETOWN TEXAS 78626

KANCHARLA CHANDRA SHEKHAR
REDDY & SRILATHA
12816 MCNELLY TRAIL

NGUYEN PHONG T
3825 RHYTHMIC DRIVE
PFLUGERVILLE TEXAS 78660

JCN FAMILY PARTNERSHIP LP
3404 GLENVIEW AVENUE
AUSTIN TEXAS 78703

TERRELL TIMMERMANN FARMS LP
501 VALE STREET
AUSTIN TEXAS 78746

JONAH DANIEL PROPERTIES LLC
6900 LADERA NORTE
AUSTIN TEXAS 78731

FENGSHUI PROPERTIES LLC
5104 CUESTA VERDE
AUSTIN TEXAS 78746

WILLIAMSON COUNTY
710 SOUTH MAIN STREET STE 301
GEORGETOWN TEXAS 78626

DEDEAR DAVID & JANICE MARIE
11350 EAST STATE HIGHWAY 29
GEORGETOWN TEXAS 78626

PEEK ROBERT F & EVELYN R
10850 EAST STATE HIGHWAY 29
GEORGETOWN TEXAS 78626

HAGLER BRENDA J & GLENN R
10810 EAST HIGHWAY 29
GEORGETOWN TEXAS 78626

PAUL JAMES M & PAIGE D
PO BOX 2691
GEORGETOWN TEXAS 78627

BOONE RAY C III & JENNIE DIANE EIREMO
10806 EAST STATE HIGHWAY 29
GEORGETOWN TEXAS 78626

MIRELES SUSAN
10801 EAST HIGHWAY 29
GEORGETOWN TEXAS 78626

ALVARADO-HURT CLAUDIA
10804 EAST STATE HIGHWAY 29
AUSTIN TEXAS 78626

GEORGETOWN AIRPARK QOZB LP
15001 SOUTH MOPAC EXPY #STE 450
AUSTIN TEXAS 78746

JONAH CEMETERY (JAMES B BOYDSTON)
1614 MEQUITE LN
GEORGETOWN TEXAS 78628

KLEPZIG DARYL A & EMILY
3559 HERITAGE LOOP
HUTTO TEXAS 78634

VEGA EDGAR & ALTAGRACIA
1607 COUNT ROAD 101
HUTTO TEXAS 78634

ALBRECHT MARK
29 SUNRISE ROAD
CODY WY 82414

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT: Lakshmi Land Group LLC

PERMIT NUMBER: Pending

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

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Original USGS Map	☒	☐
Administrative Report 1.1	☒	☐	Affected Landowners Map	☒	☐
SPIF	☒	☐	Landowner Disk or Labels	☒	☐
Core Data Form	☒	☐	Buffer Zone Map	☒	☐
Public Involvement Plan Form	☒	☐	Flow Diagram	☒	☐
Technical Report 1.0	☐	☐	Site Drawing	☒	☐
Technical Report 1.1	☒	☐	Original Photographs	☒	☐
Worksheet 2.0	☒	☐	Design Calculations	☒	☐
Worksheet 2.1	☐	☒	Solids Management Plan	☒	☐
Worksheet 3.0	☐	☒	Water Balance	☐	☒
Worksheet 3.1	☐	☒			
Worksheet 3.2	☐	☒			
Worksheet 3.3	☐	☒			
Worksheet 4.0	☐	☒			
Worksheet 5.0	☐	☒			
Worksheet 6.0	☐	☒			
Worksheet 7.0	☐	☒			

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 ☐	$315.00 ☐
≥0.05 but <0.10 MGD	$550.00 ☐	$515.00 ☐
≥0.10 but <0.25 MGD	$850.00 ☐	$815.00 ☐
≥0.25 but <0.50 MGD	$1,250.00 ☐	$1,215.00 ☐
≥0.50 but <1.0 MGD	$1,650.00 ☒	$1,615.00 ☐
≥1.0 MGD	$2,050.00 ☐	$2,015.00 ☐

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 7479

Check/Money Order Amount: $1,650

Name Printed on Check: Lakshmi Land LLC

EPAY Voucher Number: Click here to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 29)

☒ New TPDES

☐ Major Amendment *with* Renewal

☐ Major Amendment *without* Renewal

☐ Renewal without changes

☐ New TLAP

☐ Minor Amendment *with* Renewal

☐ Minor Amendment *without* Renewal

☐ Minor Modification of permit

For amendments or modifications, describe the proposed changes: Click here to enter text.

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-Applicant 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?

Lakshmi Land Group 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: _____

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: Jason Toy

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

Title: General Manager

B. Co-applicant 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-applicant 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-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: 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): N/A

First and Last Name: N/A

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

Title: N/A

Provide a brief description of the need for a co-permittee: N/A

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: Appendix A

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: Jason Toy

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

Title: General Manager

Organization Name: Lakshmi Land Group LLC

Mailing Address: 1821 Margaret St

City, State, Zip Code: Austin, TX 78704

Phone No.: _____ Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: jasontoy22@gmail.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

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

First and Last Name: Richard Rychlik Jr.

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

Title: Senior Project Manager

Organization Name: BGE, Inc.

Mailing Address: 101 W Louis Henna Blvd. Suite 400

City, State, Zip Code: Austin, Texas 78728

Phone No.: (512)879-0460 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: rrychlik@bgeinc.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: Jason Toy

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

Title: General Manager

Organization Name: Lakshmi Land Group LLC

Mailing Address: 1821 Margaret St

City, State, Zip Code: Austin, TX 78704

Phone No.: _____ Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: jasontoy22@gmail.com

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

First and Last Name: Richard Rychlik Jr.

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

Title: Senior Project Manager

Organization Name: BGE, Inc,

Mailing Address: 101 W Louis Henna Blvd. Suite 400

City, State, Zip Code: Austin, Texas 78728

Phone No.: (512)879-0460 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: rrychlik@bgeinc.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: Jason Toy

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

Title: General Manager

Organization Name: Lakshmi Land Group LLC

Mailing Address: 1821 Margaret St

City, State, Zip Code: Austin, TX 78704

Phone No.: _____ Ext.: ___ Fax No.: Click here to enter text.

E-mail Address: jasontoy22@gmail.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: Jason Toy

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

Title: General Manager

Organization Name: Lakshmi Land Group LLC

Mailing Address: 1821 Margaret St

City, State, Zip Code: Austin, TX 78704

Phone No.: _____ Ext.: ___ Fax No.: Click here to enter text.

E-mail Address: jasontoy22@gmail.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: Richard Rychlik Jr.

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

Title: Senior Project Manager

Organization Name: BGE, Inc.

Mailing Address: 101 W Louis Henna Blvd. Suite 400

City, State, Zip Code: Austin, Texas 78728

Phone No.: 512-879-0460 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: rrychlik@bgeinc.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: Richard Rychlik Jr.

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

Title: Senior Project Manager

Organization Name: BGE, Inc.

Phone No.: 512-879-0460 Ext.: Click here to enter text.

E-mail: rrychlik@bgeinc.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: Round Rock Public Library

Location within the building: Public Reference Section

Physical Address of Building: 200 East Liberty Ave

City: Round Rock, Texas 78664 County: Williams

Contact Name: Michelle Cervantes

Phone No.: (512) 218 - 7000 Ext.: Click here to enter text.

E. Bilingual Notice Requirements:

This information **is required** for **new, major amendment, minor amendment or minor modification, and renewal 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

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

   ☐ Yes ☒ No

5. If the answer is yes to question 1, 2, 3, or 4, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

F. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: Appendix M

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 33)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** Click here to enter text.

Search the TCEQ's Central Registry at http://www15.tceq.texas.gov/crpub/ to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

Georgetown 245 WWTP

C. Owner of treatment facility: Lakshmi Land Group LLC

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

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

First and Last Name: Jason Toy

Mailing Address: 1821 Margaret St

City, State, Zip Code: Austin, TX 78704

Phone No.: _____ E-mail Address: jasontoy22@gmail.com

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: Appendix N

E. Owner of effluent disposal site:

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

First and Last Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: Click here to enter text. E-mail Address: Click here to enter text.

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

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.: Click here to enter text. E-mail Address: Click here to enter text.

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:

The facility will be located approximately 0.25 miles west from the intersection of East State HWY 29 and County Road 192 in Jonah, in Williamson County Texas and on the north side of HWY 29.

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:

The point of discharge will be at Coordinates: 30°38'14.87"N, 97°30'45.29"W. . Effluent will travel through an 12" pipe for approximately 3,100' until it reaches the end of the development property. Then will travel for approximately 1,562 feet through the roadside ditch of the roadway East State HWY 29 until it reaches a culvert pipe. The culvert pipe is approximately 86 feet long and outfalls into a man made ditch then travels approximately 2,303 feet until it reaches the classified stream segment number 1248 named San Garbriel / North Fork San Gabriel River.

City nearest the outfall(s): Jonah, Texas

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

Outfall Latitude: 30°38'14.87"N Longitude: 97°30'45.29"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: TxDOT Discharge Permit Letter

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:

Click here to enter text.

B. City nearest the disposal site: Click here to enter text.

C. County in which the disposal site is located: Click here to enter text.

D. Disposal Site Latitude: Click here to enter text. Longitude: Click here to enter text.

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

Click here to enter text.

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

Click here to enter text.

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.

Click here to enter text.

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:

Click here to enter text.

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following information:

Account number: Click here to enter text. Amount past due: Click here to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If **yes**, please provide the following information:

Enforcement order number: Click here to enter text. Amount past due: Click here to enter text.

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: Click here to enter text.

Section 14. Signature Page (Instructions Page 39)

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

Permit Number: Pending

Applicant: Lakshmi Land Group 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): Jason Toy

Signatory title: General Manager

Signature: _____ Date: 1/10/24

(Use blue ink)

Subscribed and Sworn to before me by the said Linnette Delgadillo

on this January day of 12, 2024.

My commission expires on the 24 day of September, 2025.

Linnette Delgadillo

Notary Public

[SEAL]

Travis

County, Texas

LINNETTE DELGADILLO
Notary ID #133351497
My Commission Expires
September 24, 2025

Section 15. Plain Language Summary (Instructions Page 40)

If you are subject to the alternative language notice requirements in 30 Texas Administrative Code §39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

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.

Lakshmi Land Group LLC proposes to operate Georgetown 245 WWTP RN Unnassianged, a Domestic wastewater treatment plant. The facility will be located approximately 0.25 miles West from the intersection of East State HWY 29 and County Road 192, in Jonah, William County, Texas 78626.

This permit is to authorize the discharge of treated domestic wastewater to a volume not to exceed an average flow of 900,00 MGD per day.

Discharges from the facility are expected to contain14. List all expected pollutants here..Domestic wastewater will be treated by *an activated sludge processing plant and the treatment units will include a bar screen, a grit chamber, aeration basin, sludge digester, final clarifier, a belt press and chlorine contact chamber*.

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.

1. Introduzca el nombre del solicitante aquí. (2. Introduzca el número de cliente aquí (es decir, CN6 #########).) 3. Elija del menú desplegable. 4. Introduzca el nombre de la instalación aquí. 5. Introduzca el número de entidad regulada aquí (es decir, RN1 #########). 6. Elija del menú desplegable. 7. Introduzca la descripción de la instalación aquí. . La instalación 8. Elija del menú desplegable. ubicado 9. Introduzca la ubicación aquí. , en 10. Introduzca el nombre de la ciudad aquí. , Condado de 11. Introduzca el nombre del condado aquí. , Texas 12. Introduzca el código postal aquí. . 13. Introduzca el resumen de la solicitud de solicitud aquí. *<<Para las aplicaciones de TLAP incluya la siguiente oración, de lo contrario, elimine:>>* Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan14. Liste todos los contaminantes esperados aquí. . 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable. tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

Lakshmi Land Group LLC propone operar Georgetown 245 WWTP RN Unnassigned. Una planta da tratamiento de aguas residuales domesticas. La instalacion estara ubicada aproximadamente a 0.25 millas al oeste de la interseccion de East State HWY 29 y County Road 192, en Jonah, Williamson County, Texas 78626. Este permiso es para autorizar la descarga de aguas resduales domesticas tratadas a un volumen que no exceda un flujo promedio de 900,000 MGD por dia.

Las aguas residuales domésticas serán tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluirán una pantalla de barra, una cámara de arena, un recipiente de aireación, un digestor de lodos, un clarificador final, una prensa de banda y una cámara de contacto de cloro.

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:

☐ USB Drive ☒ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: Williamson appraisal District

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):

Click here to enter text.

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: Lakshmi Land Group LLC

   Permit No. WQ00 Pending EPA ID No. TX Pending

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

   11301 Highway 29 Georgetown, Texas 78626; The facility will be located approximately 0.25 miles west from the intersection of East State HWY 29 and County Road 192 in Jonah, in Williamson County Texas and on the north side of HWY 29.

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: Jason Toy

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

Title: General Manager

Mailing Address: 1821 Margaret St

City, State, Zip Code: Austin, TX 78704

Phone No.: _____ Ext.: ___ Fax No.: Click here to enter text.

E-mail Address: jasontoy22@gmail.com

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

N/A

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 point of discharge will be at Coordinates: 30°38'14.87"N, 97°30'45.29"W. . Effluent will travel through an 12" pipe for approximately 3,100' until it reaches the end of the development property. Then will travel for approximately 1,562 feet through the roadside ditch of the roadway East State HWY 29 until it reaches a culvert pipe. The culvert pipe is approximately 86 feet long and outfalls into a man made ditch then travels approximately 2,303 feet until it reaches the classified stream segment number 1248 named San Garbriel / North Fork San Gabriel River.

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):

Unknown

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

Open Pasture. Previously used for farming.

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:

No structure is located on the property

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

Per the Williamson County appraisal district: in 2000 the land was passed to Moody Farms and then sold to KK Estates LLC & Venkateswara Rao Gottipati in 2017. Then in 2021 the land was sold to ARS Estates LLC & Raghavendra Setty. ARS Estates LLC & Venkateswara Rao Gottipati then sold the land to Decicorn, LLC in 2022 who in that same year sold the land to Lakshmi Land Group, LLC.

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- **Do not mail this form with the application form.**
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, Texas 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, Texas 78753

Fee Code: WQP **Waste Permit No:** Pending

1. Check or Money Order Number: 7479
2. Check or Money Order Amount: $1,650
3. Date of Check or Money Order: 11/10/2024
4. Name on Check or Money Order: Lakshmi Land Group LLC
5. APPLICATION INFORMATION

   Name of Project or Site: Georgetown 245 WWTP

   Physical Address of Project or Site: 11301 Highway 29 Georgetown, Texas 78626

   If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

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ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 50)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): Click here to enter text.

Full legal name (first, middle, last): Click here to enter text.

Driver's License or State Identification Number: Click here to enter text.

Date of Birth: Click here to enter text.

Mailing Address: Click here to enter text.

City, State, and Zip Code: Click here to enter text.

Phone Number: Click here to enter text. Fax Number: Click here to enter text.

E-mail Address: Click here to enter text.

CN: Click here to enter text.

For Commission Use Only:
Customer Number:
Regulated Entity Number:
Permit Number:

CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all applications types. Must be completed in its entirety and signed. Note: Form may be signed by applicant representative.)

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
(Full-size map if seeking "New" permit. 8 ½ x 11 acceptable for Renewals and Amendments)

Current/Non-Expired, Executed Lease Agreement or Easement Attached ☒ N/A ☐ Yes

Landowners Map ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 – Blue Ink Preferred ☒ Yes
(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)

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): 0.075

2-Hr Peak Flow (MGD): 0.30

Estimated construction start date: 10/2024

Estimated waste disposal start date: 4/2025

B. Interim II Phase

Design Flow (MGD): 0.30

2-Hr Peak Flow (MGD): 1.20

Estimated construction start date: 10/2025

Estimated waste disposal start date: 4/2026

C. Final Phase

Design Flow (MGD): 0.90

2-Hr Peak Flow (MGD): 3.60

Estimated construction start date: 10/2028

Estimated waste disposal start date: 4/2029

D. Current operating phase: N/A

Provide the startup date of the facility: Pending approval

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:

This plant will have an initial capacity of 0.075 MGD which will consist of the following processes. The treatment plant will utilize an onsite lift station to pump the influent to the wastewater treatment plant. The influent enters the wastewater treatment plant through a bar screen, then into the aeration basin, where the influent and returned activated sludge (RAS) are mixed together. Flow is then conveyed into the clarifier where effluent flows over the weir to the chlorine disinfection basin and is then discharged to the outfall. Interim phase 1 will be constructed for an average daily flow up to 0.0750 GPD. Phase 2 will be constructed for an average daily flow up to 0.30 MGD and the final phase will be constructed for an average daily flow up to 0.90 MGD.

Port or pipe diameter at the discharge point, in inches: 12"

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)
Digester Basin (Interim Phase 1)	(1)	32' x 12' x 12'
Aeration Basin (Interim Phase 1)	(1)	57' x 12' x 12'
Clarifier (Interim Phase 1)	(1)	36' x 13'
Chlorine Contact Basin (Phase 1 & 2)	(1)	16' x 12' x 8'
Digester Basin (Phase 2)	(3)	32' x 12' x 12'
Aeration Basin (Phase 2)	(3)	57' x 12' x 12'
Clarifier (Phase 2)	(1)	36' x 13'

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Chlorine Contact Basin (Phase 2)	(2)	16' x 12' x 8'
Digester Basin (Final Phase)	(12)	32' x 12' x 12'
Aeration Basin (Final Phase)	(12)	57' x 12' x 12'
Clarifier (Final Phase)	(6)	36' x 13'
Chlorine Contact Basin (Final Phase)	(6)	16' x 12' x 8'

C. Process flow diagrams

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

Attachment: Appendix F

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: Appendix G

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

The proposed WWTP will serve the planned Georgetown 245 housing development.

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.

Click here to enter text.

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.

Click here to enter text.

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: Click here to enter text.

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.

Click here to enter text.

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.

Click here to enter text.

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*.

Click here to enter text.

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.

Click here to enter text.

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.

Click here to enter text.

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.

Click here to enter text.

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 Click here to enter text. or TXRNE Click here to enter text.

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:

Click here to enter text.

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.

Click here to enter text.

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.

Click here to enter text.

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.

Click here to enter text.

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 BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click here to enter text.

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 BOD_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click here to enter text.

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.

Click here to enter text.

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). **W*ater 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					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/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: TBD

Facility Operator's License Classification and Level: TBD

Facility Operator's License Number: TBD

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: Click here to enter text.

B. Sludge disposal site

Disposal site name: Wastewater Residuals Management, LLC

TCEQ permit or registration number: 2384

County where disposal site is located: Travis

C. Sludge transportation method

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

Name of the hauler: Wastewater Residuals Management, LLC

Hauler registration number: Click here to enter text.

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 ☐	No ☒
Marketing and Distribution of sludge	Yes ☐	No ☒
Sludge Surface Disposal or Sludge Monofill	Yes ☐	No ☒
Temporary storage in sludge lagoons	Yes ☐	No ☒

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: Click here to enter text.
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click here to enter text.
- Federal Emergency Management Map:

  Attachment: Click here to enter text.
- Site map:

  Attachment: Click here to enter text.

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: Click here to enter text.

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:

Click here to enter text.

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: Click here to enter text.

Total Kjeldahl Nitrogen, mg/kg: Click here to enter text.

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: Click here to enter text.

Phosphorus, mg/kg: Click here to enter text.

Potassium, mg/kg: Click here to enter text.

pH, standard units: Click here to enter text.

Ammonia Nitrogen mg/kg: Click here to enter text.

Arsenic: Click here to enter text.

Cadmium: Click here to enter text.

Chromium: Click here to enter text.

Copper: Click here to enter text.

Lead: Click here to enter text.

Mercury: Click here to enter text.

Molybdenum: Click here to enter text.

Nickel: Click here to enter text.

Selenium: Click here to enter text.

Zinc: Click here to enter text.

Total PCBs: Click here to enter text.

Provide the following information:

Volume and frequency of sludge to the lagoon(s): Click here to enter text.

Total dry tons stored in the lagoons(s) per 365-day period: Click here to enter text.

Total dry tons stored in the lagoons(s) over the life of the unit: Click here to enter text.

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?

Yes ☐ No ☐

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

Click here to enter text.

D. Site development plan

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

Click here to enter text.

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

  Attachment: Click here to enter text.
- Copy of the closure plan

  Attachment: Click here to enter text.
- Copy of deed recordation for the site

  Attachment: Click here to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click here to enter text.

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

  Attachment: Click here to enter text.

- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click here to enter text.

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: Click here to enter text.

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:

Click here to enter text.

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:

Click here to enter text.

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: Click here to enter text.

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: Jason Toy

Title: General Manager

Signature: 

Date: 11/10/24

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.

The permit is needed to supply wastewater treatment for the proposed Georgetown 245 Development which has no available wastewater treatment options to handle their proposed interim average daily flow of 0.075 MGD and final phase of 0.90 MGD.

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: Click here to enter text.

If yes, attach correspondence from the city.

Attachment: Click here to enter text.

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: Click here to enter text.

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: Click here to enter text.

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: Appendix H

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

Attachment: Appendix H

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: Click here to enter text.

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): Click here to enter text.

Average Influent Organic Strength or BOD_5 Concentration in mg/l: Click here to enter text.

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34): Click here to enter text.

Provide the source of the average organic strength or BOD_5 concentration.

Click here to enter text.

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	0.90	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	0.90	
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: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 0

Dissolved Oxygen, mg/l: 6

Other: Click here to enter text.

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 0

Dissolved Oxygen, mg/l: 6

Other: Click here to enter text.

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 0

Dissolved Oxygen, mg/l: 6

Other: Click here to enter text.

D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 2 mg/l after 24.4 minutes detention time at peak flow

Dechlorination process: Click here to enter text.

☐ Ultraviolet Light: Click here to enter text. seconds contact time at peak flow

☐ Other: Click here to enter text.

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: Appendix I

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.

Fema Map: 48491C0320F

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: Click here to enter text.

If no, provide the approximate date you anticipate submitting your application to the Corps: Click here to enter text.

B. Wind rose

Attach a wind rose. **Attachment**: Appendix J

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: Click here to enter text.

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: Click here to enter text.

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

Attach a solids management plan to the application.

Attachment: Appendix K

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: Click here to enter text.

Distance and direction to the intake: Click here to enter text.

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

Attachment: Click here to enter text.

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: Click here to enter text.

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).

Click here to enter text.

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).

Click here to enter text.

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: Existing Man-made ditch

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click here to enter text.

Average depth of the entire water body, in feet: Click here to enter text.

Average depth of water body within a 500-foot radius of discharge point, in feet: Click here to enter text.

☒ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click here to enter text.

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: Click here to enter text.

C. Downstream perennial confluences

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

Existing made man ditch and San Gabriel River

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.

Click here to enter text.

E. Normal dry weather characteristics

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

Intermittent flow with Perennial Pools during the year.

Date and time of observation: 10/12/2023

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.

- ☐ Oil field activities
- ☐ Upstream discharges
- ☐ Septic tanks
- ☒ Urban runoff
- ☒ Agricultural runoff
- ☐ Other(s), specify Click here to enter text.

B. Waterbody uses

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

- ☐ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☒ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation

☐ Domestic water supply ☐ Industrial water supply

☐ Park activities ☐ Other(s), specify Click here to enter text.

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

Appendix A

Core Data Form

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☒ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN		**RN**

SECTION II: Customer Information

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

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

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

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

Lakshmi Land Group 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)*
	804452234	N/A	N/A

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

12. Number of Employees
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☐ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	1821 Margaret St						
	City	Austin	**State**	TX	**ZIP**	78704	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	jasontoy22@gmail.com

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

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Georgetown 245 WWTP

23. Street Address of the Regulated Entity: ***(No PO Boxes)***								
	City	Jonah	**State**	TX	**ZIP**	78626	**ZIP + 4**	
24. County	Williamson							

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

25. Description to Physical Location:	The facility is located approximately 0.48 miles West from the intersection of East State HWY 29 and County Road 192, in Jonah, Williamson County, Texas 78626

26. Nearest City	State	Nearest ZIP Code
Jonah	TX	78626

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	38	37.64	97	30	46.94

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

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

Wastewater Utilties

34. Mailing Address:	1821 Margaret St							
	City	Austin	**State**	TX	**ZIP**	78704	**ZIP + 4**	
35. E-Mail Address:	jasontoy22@gmail.com							

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

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

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

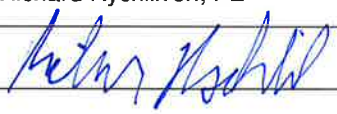
SECTION IV: Preparer Information

40. Name:	Richard Rychlik Jr., PE	41. Title:	Senior Project Manager

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 879-0460		( ) -	rrychlik@bgeinc.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:	BGE, Inc.	Job Title:	Senior Project Manager
Name *(In Print)*:	Richard Rychlik Jr., PE	Phone:	(512) 879-0460
Signature:		Date:	01/10/2024

Appendix B

Original USGS Map

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

WEIR QUADRANGLE
TEXAS - WILLIAMSON COUNTY
7.5-MINUTE SERIES

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, August 2016 - November 2016
Roads..... U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2002 - 2020
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
3°37′ 64 MILS
0°44′ 13 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
PV
PU
00
Grid Zone Designation 14R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

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.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Cobbs Cavern
2 Jarrell
3 Bartlett
4 Georgetown
5 Granger
6 Round Rock
7 Hutto
8 Taylor

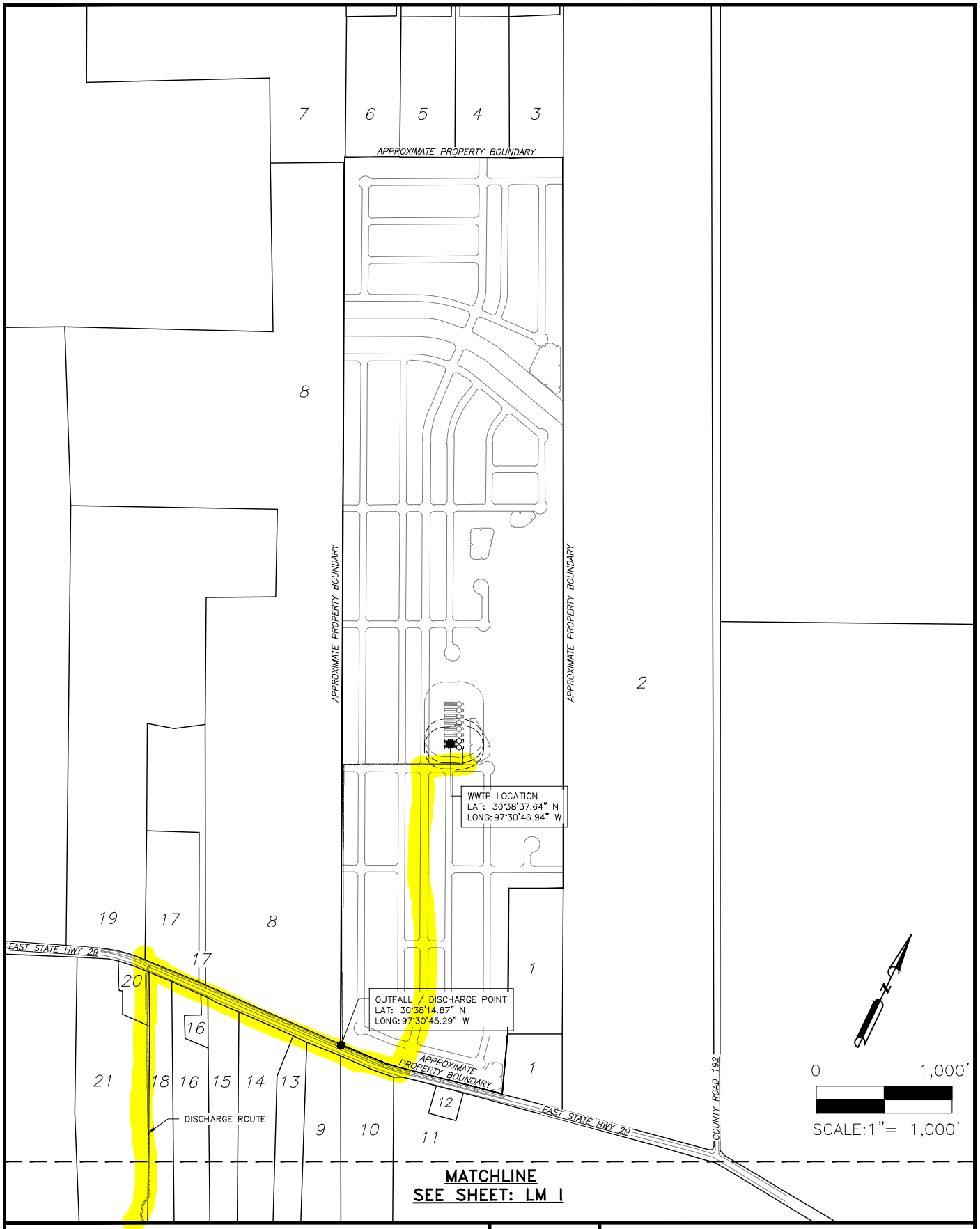
ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

WEIR, TX
2022

NSN 7643016398832
NGA REF NO.USGSX24K72006

Appendix C

Landowners Map and Cross-Referenced List



GEORGETOWN 245 WWTP

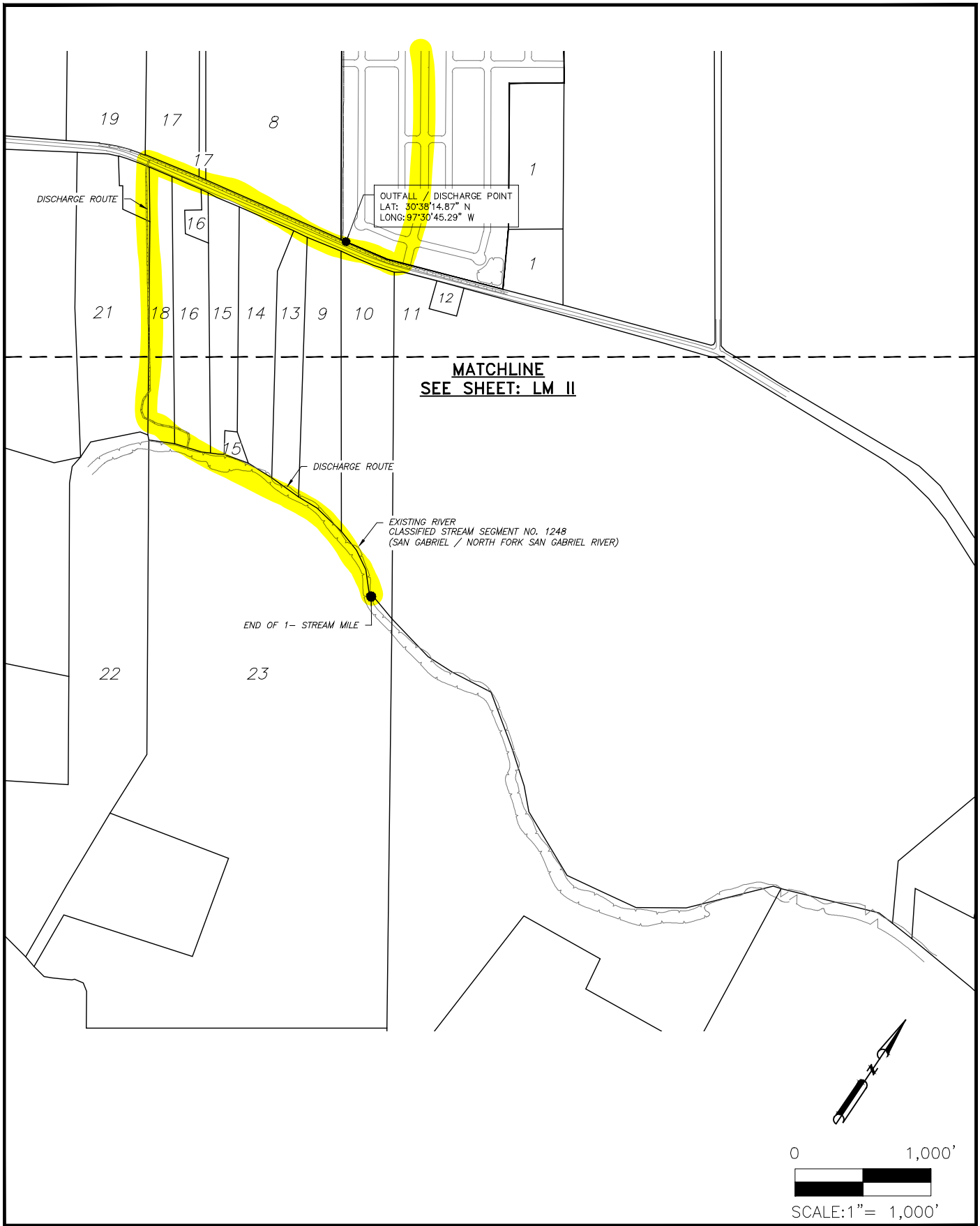
LANDOWNER MAP 1

NOVEMBER 2023

JOB No. 40003-02

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No. F-1046
TEL: 512-879-0400 www.browngay.com



GEORGETOWN 245 WWTP

LANDOWNER MAP II

NOVEMBER 2023

JOB No. 40003–02

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No. F-1046
TEL: 512-879-0400 www.browngay.com

SURROUNDING LANDOWNER LIST

0. APPLICANT PROPERTIES (SOUTH CENTRAL WATER COMPANY)

1. WADLEY, RANDY W & JENNIFER L
   11431 EAST HIGHWAY 29
   GEORGETOWN, TEXAS 78626

2. WHATLEY JULIA BYROM & JAMES MARK BYROM & CAROLYN BYROM JANCHA
   1501 CANYON WREN DRIVE
   MCKINNEY TEXAS 75071

3. PALACIOS RAUL & LUCERITO HERNANDEZ
   505 NORTH BURNET STREET
   ROUND ROCK, TEXAS 78664

4. FRIENDLY RESTORATION SERVICE LLC
   235 COUNTY ROAD 127
   GEORGETOWN TEXAS 78626

5. KANCHARLA CHANDRA SHEKHAR REDDY & SRILATHA
   12816 MCNELLY TRAIL
   AUSTIN TEXAS 78732

6. NGUYEN PHONG T
   3825 RHYTHMIC DRIVE
   PFLUGERVILLE TEXAS 78660

7. JCN FAMILY PARTNERSHIP LP
   3404 GLENVIEW AVENUE
   AUSTIN TEXAS 78703

8. TERRELL TIMMERMANN FARMS LP
   501 VALE STREET
   AUSTIN TEXAS 78746

9. JONAH DANIEL PROPERTIES LLC
   6900 LADERA NORTE
   AUSTIN TEXAS 78731

10. FENGSHUI PROPERTIES LLC
    5104 CUESTA VERDE
    AUSTIN TEXAS 78746

11. WILLIAMSON COUNTY
    710 SOUTH MAIN STREET STE 301
    GEORGETOWN TEXAS 78626

12. DEDEAR DAVID & JANICE MARIE
    11350 EAST STATE HIGHWAY 29
    GEORGETOWN TEXAS 78626

DOWN STREAM LANDOWNER LIST

13. PEEK ROBERT F & EVELYN R
    10850 EAST STATE HIGHWAY 29
    GEORGETOWN TEXAS 78626

14. HAGLER BRENDA J & GLENN R
    10810 EAST HIGHWAY 29
    GEORGETOWN TEXAS 78626

15. PAUL JAMES M & PAIGE D
    PO BOX 2691
    GEORGETOWN TEXAS 78627

16. BOONE RAY C III & JENNIE DIANE EIREMO
    10806 EAST STATE HIGHWAY 29
    GEORGETOWN TEXAS 78626

17. MIRELES SUSAN
    10801 EAST HIGHWAY 29
    GEORGETOWN TEXAS 78626

18. ALVARADO-HURT CLAUDIA
    10804 EAST STATE HIGHWAY 29
    AUSTIN TEXAS 78626

19. GEORGETOWN AIRPARK QOZB LP
    15001 SOUTH MOPAC EXPY #STE 450
    AUSTIN TEXAS 78746

20. JONAH CEMETERY (JAMES B BOYDSTON)
    1614 MEQUITE LN
    GEORGETOWN TEXAS 78628

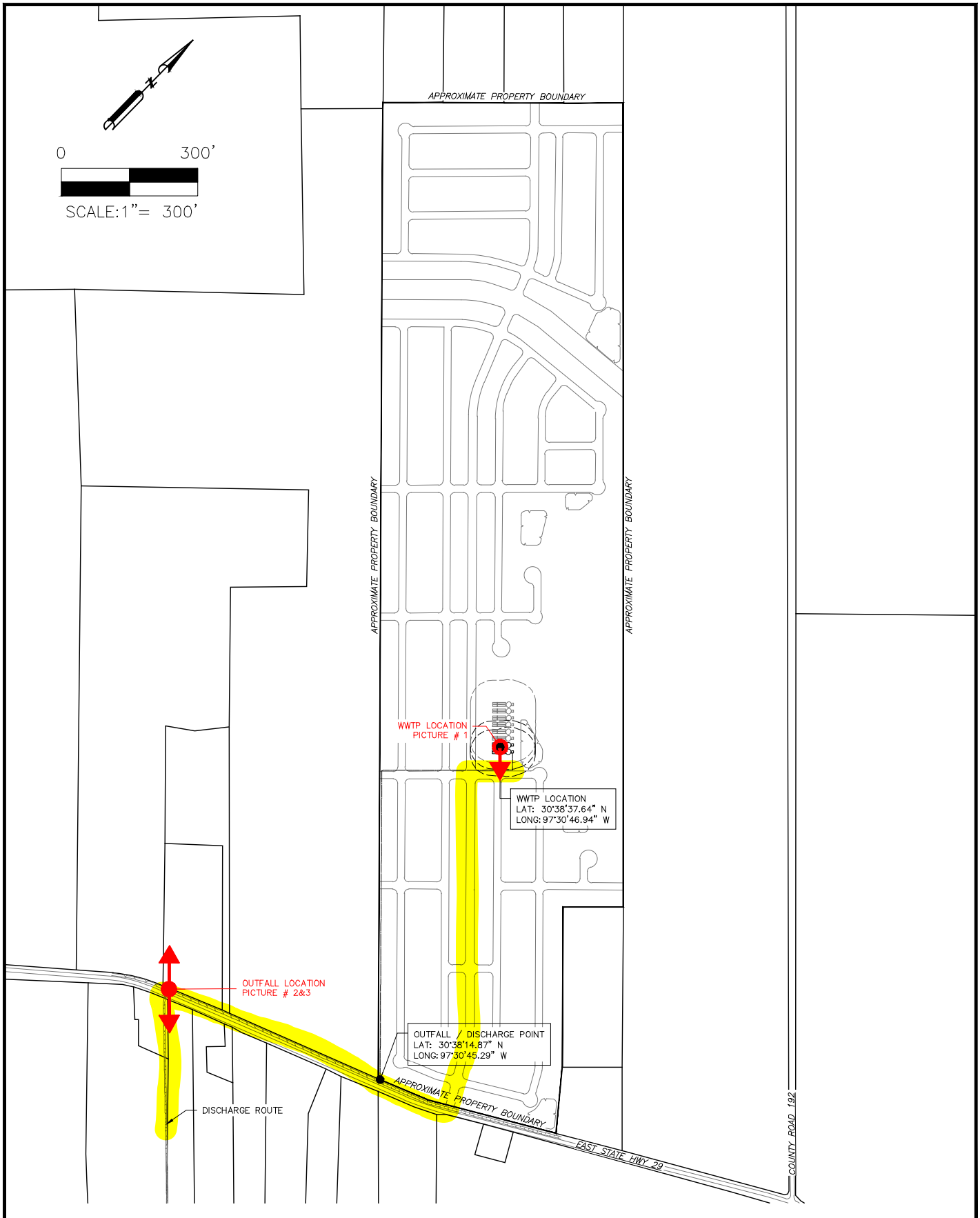
21. KLEPZIG DARYL A & EMILY
    3559 HERITAGE LOOP
    HUTTO TEXAS 78634

22. VEGA EDGAR & ALTAGRACIA
    1607 COUNT ROAD 101
    HUTTO TEXAS 78634

23. ALBRECHT MARK
    29 SUNRISE ROAD
    CODY WY 82414

Appendix D

Original Photographs



GEORGETOWN 245 WWTP

ORIGINAL PHOTOGRAPH MAP

NOVEMBER 2023

JOB No. 40003-02

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No. F-1046
TEL: 512-879-0400 www.browngay.com

GEORGETOWN 245 WWTP

WWTP LOCATION - PICTURE # 1
(SOUTH)

NOVEMBER 2023

JOB No.
40003-02

DRAWN BY: EC

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AUSTIN, TX 78728 TBPE Registration No.
F-1046
TEL: 512-879-0400 www.browngay.com

GEORGETOWN 245 WWTP

DISCHARGE POINT - PICTURE # 2
(NORTH)

NOVEMBER 2023

JOB No.
40003-02

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No.
F-1046
TEL: 512-879-0400 www.browngay.com

GEORGETOWN 245 WWTP

DISCHARGE POINT - PICTURE # 3
(SOUTH)

NOVEMBER 2023

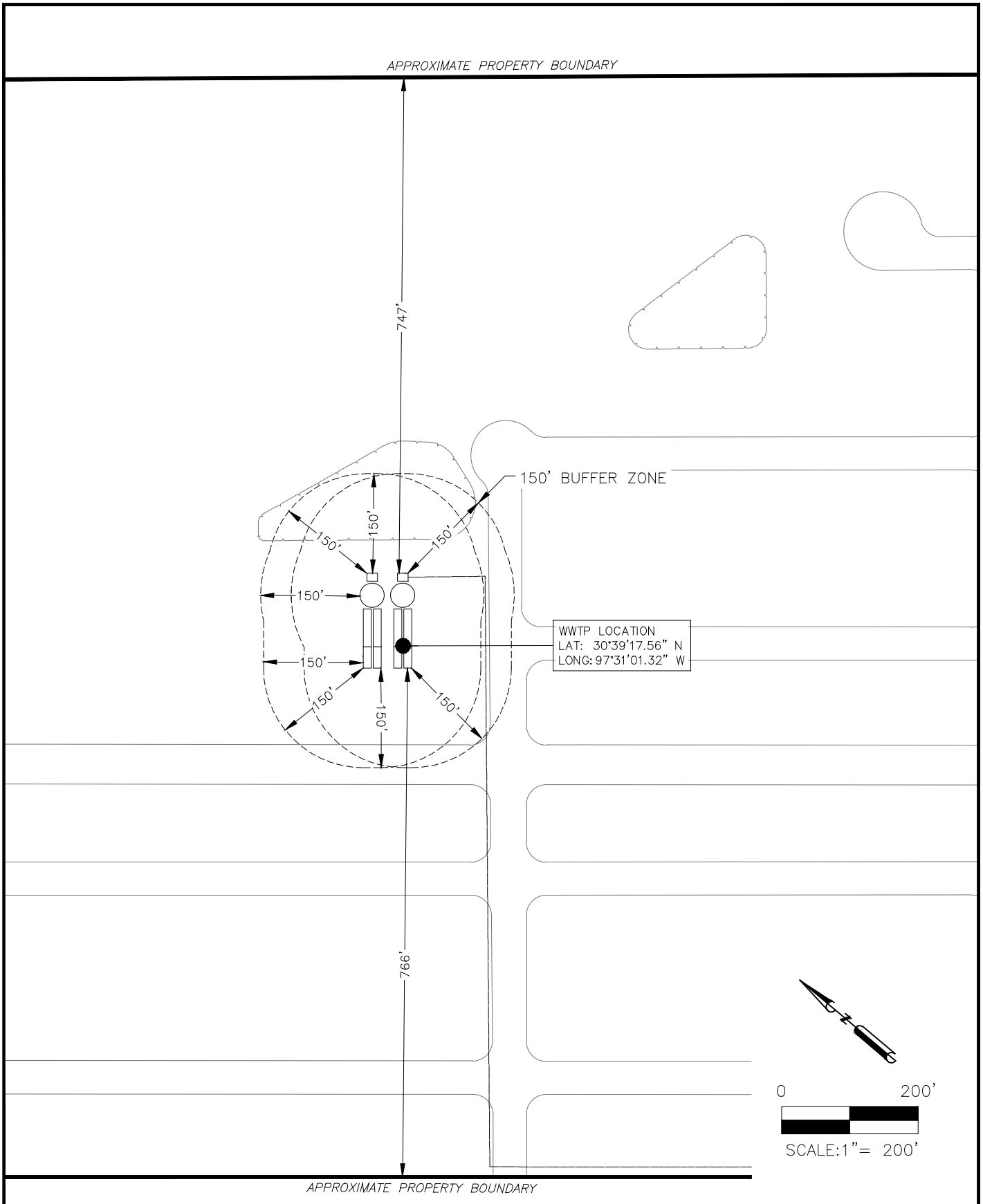
JOB No.
40003-02

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No.
F-1046
TEL: 512-879-0400 www.browngay.com

Appendix E

Buffer Zone Map



GEORGETOWN 245 WWTP

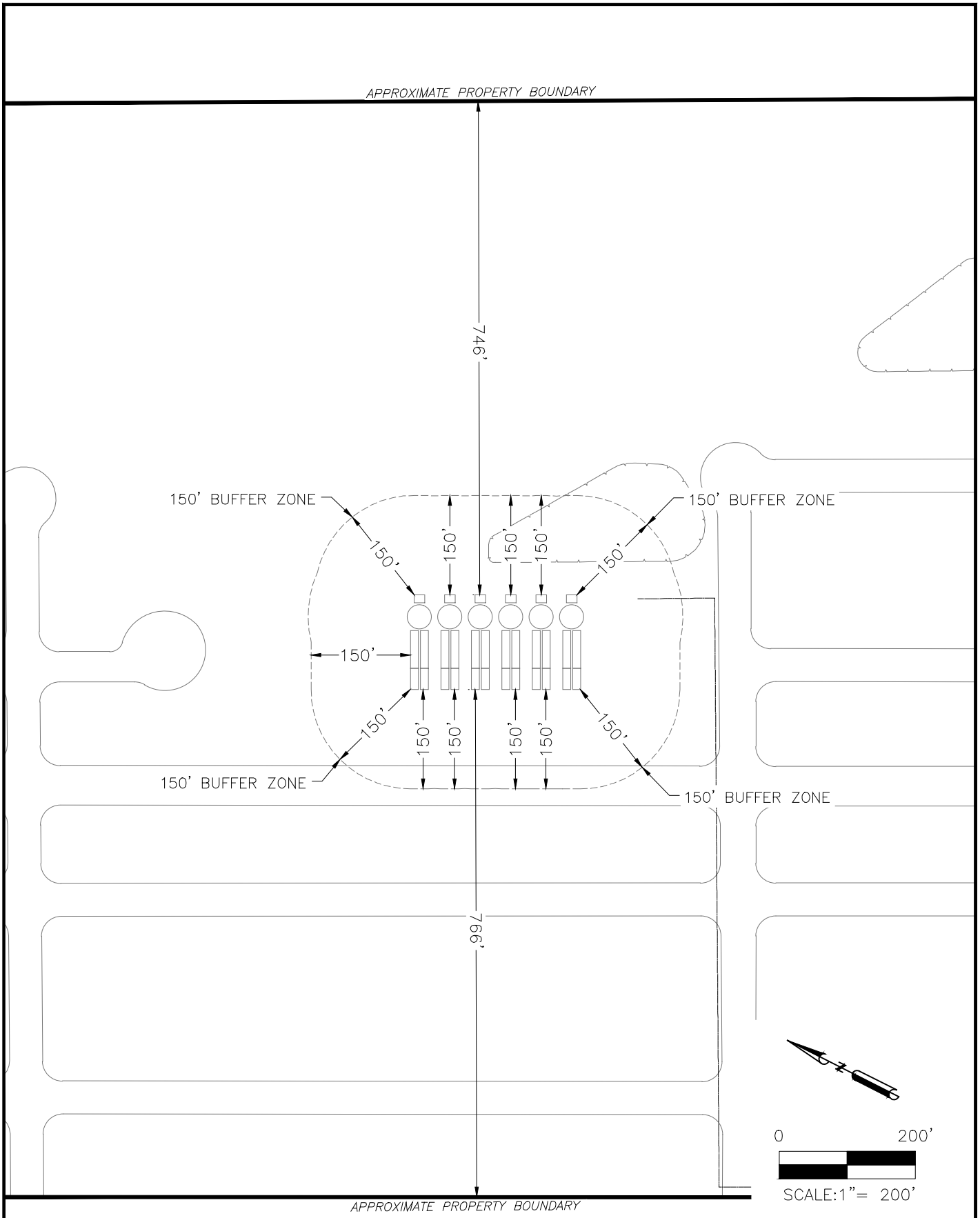
BUFFER ZONE MAP PHASE I &II

NOVEMBER 2023

JOB No. 40003–02

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No. F-1046
TEL: 512-879-0400 www.browngay.com



GEORGETOWN 245 WWTP

BUFFER ZONE MAP
FINAL PHASE

NOVEMBER 2023

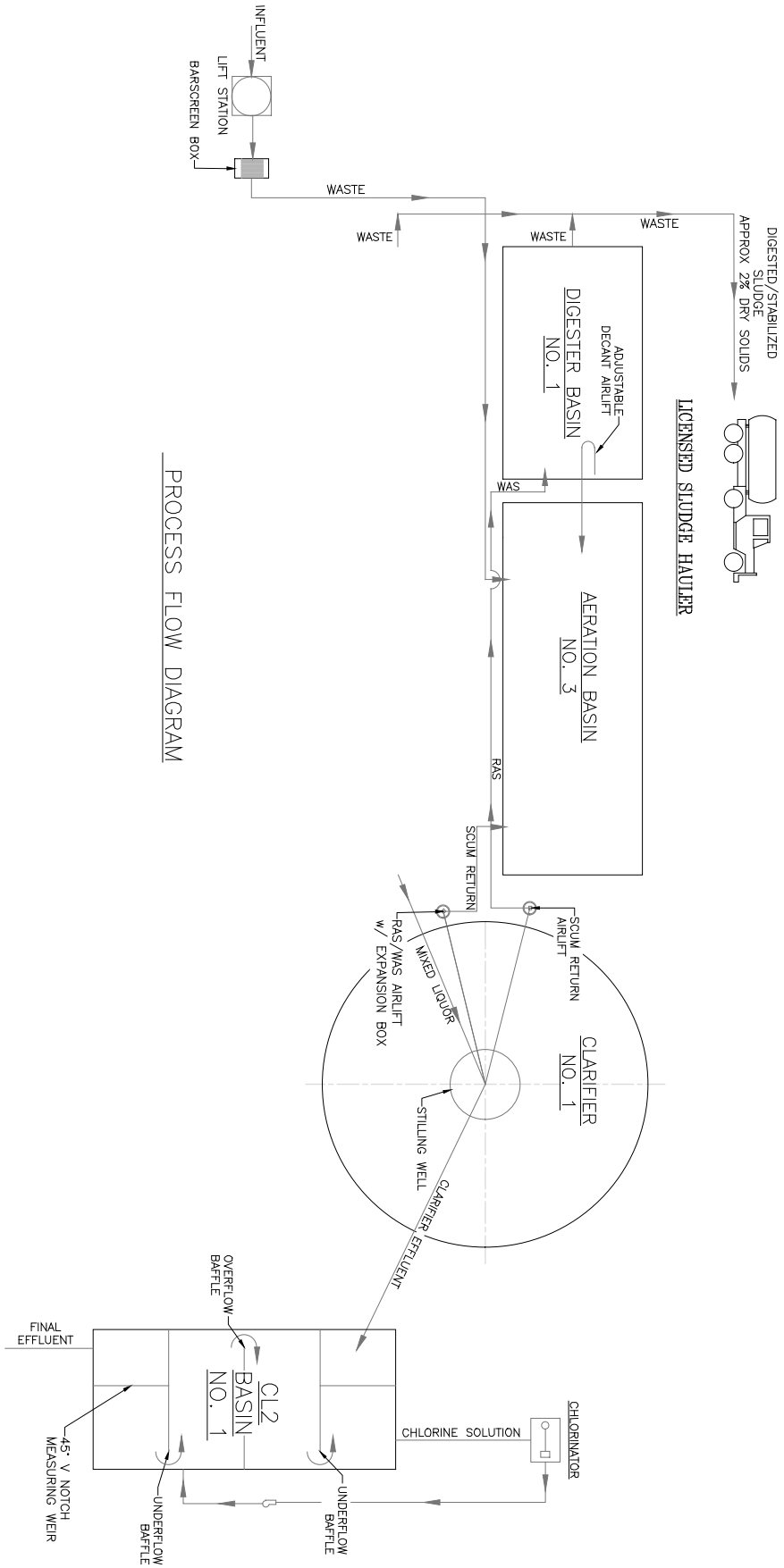
JOB No. 40003-02

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No. F-1046
TEL: 512-879-0400 www.browngay.com

Appendix F

Flow Diagram



PROCESS FLOW DIAGRAM

GEORGETOWN 245 WWTP

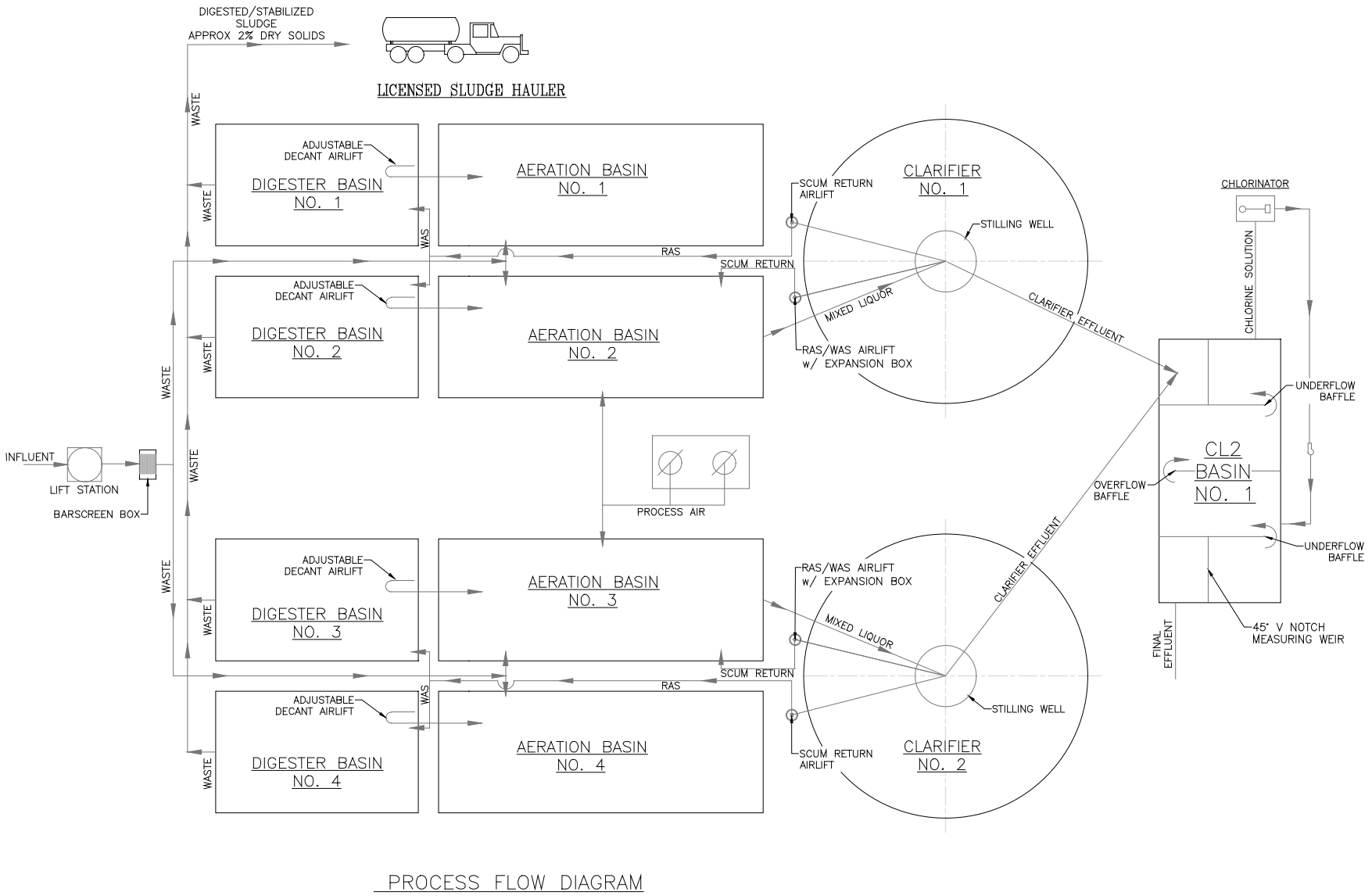
INTERIM WASTEWATER TREATMENT FLOW DIAGRAM (0.075 MGD)

NOVEMBER 2023

JOB No. 40003–002

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No. F-1046
TEL: 512-879-0400 www.browngay.com



PROCESS FLOW DIAGRAM

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No. F-1046
TEL: 512-879-0400 www.browngay.com

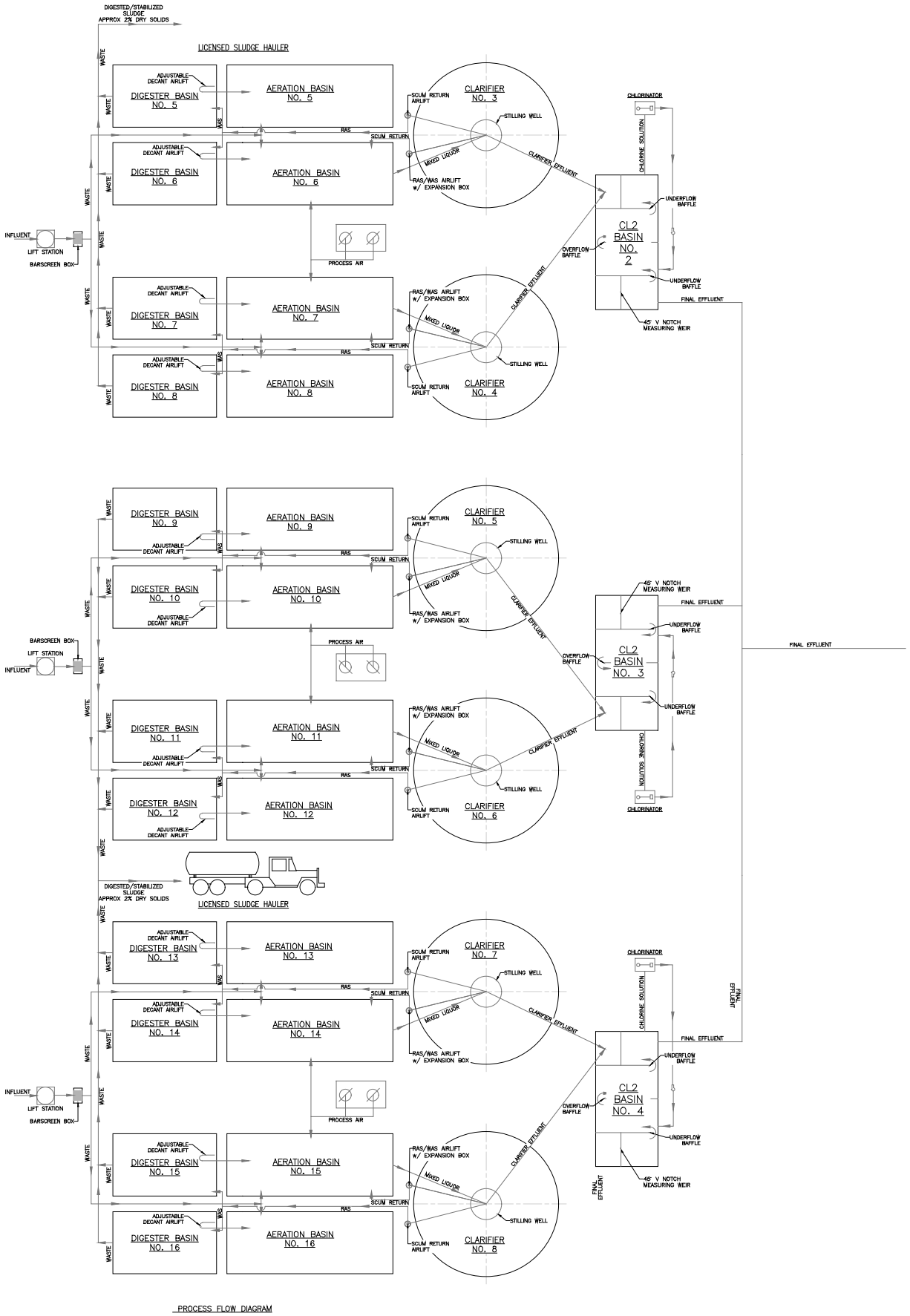
NOVEMBER 2023

JOB No. 40003-002

DRAWN BY: EC

GEORGETOWN 245 WWTP

INTERIM PHASE II WASTEWATER TREATMENT FLOW DIAGRAM (0.3 MGD)



PROCESS FLOW DIAGRAM

GEORGETOWN 245 WWTP

FINAL WASTEWATER TREATMENT FLOW DIAGRAM (0.9 MGD)

NOVEMBER 2023

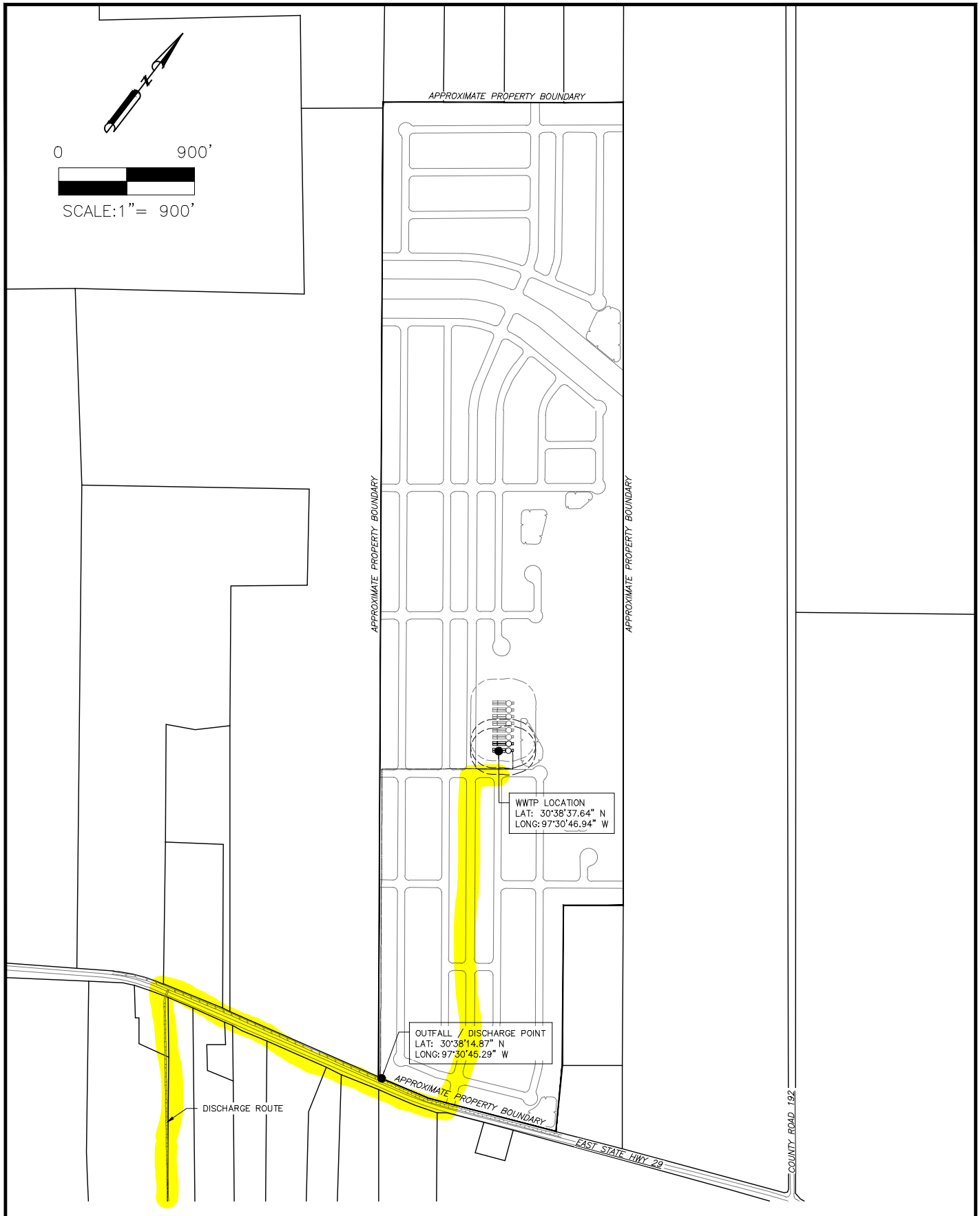
JOB No. 40003–002

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No. F-1046
TEL: 512-879-0400 www.browngay.com

Appendix G

Site Drawing



GEORGETOWN 245 WWTP

SITE MAP

NOVEMBER 2023

JOB No. 40003-02

DRAWN BY: EC

BROWN & GAY ENGINEERS, INC.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728 TBPE Registration No. F-1046
TEL: 512-879-0400 www.browngay.com

Appendix H

CCN Service Boundary

January 23, 2024

RE: List of Water and Utilities and Copies of Correspondence

Wastewater utilities found within 3-miles of Prairie Lea Property's boundary:

1. EAST WILLIAMSON COUNTY MUD 1; WQ0016351001
2. WILLIAMSON COUNTY MUD 16; WQ001500002
3. SAN GABRIEL MUD 1; (NOT ACTIVE)
4. SEVEN OAKS RANCH MUD; (NOT ACTIVE)
5. CITY OF ROUND ROCK; WQ0010264001
6. CITY OF HUTTO; WQ0011324001

January 23, 2024

Williamson County MUD 16
3000 Illinois Avenue, Suite 100
Killeen, TX 76543

RE: Georgetown 245 WWTP

To whom it may concern,

Georgetown 245 WWTP, located approximately 0.48 miles West from the intersection of East State HWY 29 and County Road 192 in Jonah, Texas, in Williamson County, has applied with the State of Texas for permission to install a sewage treatment plant to serve the proposed development estimated to need about 900,000 gallons per day of sewer capacity.

In order to comply with the Texas Administrative Code, Georgetown 245 WWTP must contact all sewage treatment plants within a 3-mile radius to investigate interest/ability to receive the waste generated from this domestic site.

Your facility with WQ001500002 located in Williamson County, Texas was found to be within 3 miles of the proposed development.

Please respond to Richard Rychlik of BGE, Inc. at the address below to inform us of:

☐ **YES** – Willamson County MUD 16 does possess the ability to take an effluent amount of 900,000 gpd.

☐ **NO** – Williamson County MUD 16 does NOT possess the ability to take an effluent amount of 900,000 gpd.

If you have any questions, please feel free to contact me.

Thank you,

Richard Rychlik, P.E.
RRychlik@bgeinc.com
101 West Louis Henna Blvd, Suite 400
Austin, TX 78728
(512) 879-0460

January 23, 2024

East Williamson County MUD 1
1980 Post Oak Blvd, Suite 1380
Houston, TX 77065

RE: Georgetown 245 WWTP

To whom it may concern,

Georgetown 245 WWTP, located approximately 0.48 miles West from the intersection of East State HWY 29 and County Road 192 in Jonah, Texas, in Williamson County, has applied with the State of Texas for permission to install a sewage treatment plant to serve the proposed development estimated to need about 900,000 gallons per day of sewer capacity.

In order to comply with the Texas Administrative Code, Georgetown 245 WWTP must contact all sewage treatment plants within a 3-mile radius to investigate interest/ability to receive the waste generated from this domestic site.

Your facility with WQ0016351001 located in Williamson County, Texas was found to be within 3 miles of the proposed development.

Please respond to Richard Rychlik of BGE, Inc. at the address below to inform us of:

☐ **YES** – East Willamson County MUD 1 does possess the ability to take an effluent amount of 900,000 gpd.

☐ **NO** – East Williamson County MUD 1 does NOT possess the ability to take an effluent amount of 900,000 gpd.

If you have any questions, please feel free to contact me.

Thank you,

Richard Rychlik, P.E.
RRychlik@bgeinc.com
101 West Louis Henna Blvd, Suite 400
Austin, TX 78728
(512) 879-0460

January 23, 2024

City of Round Rock
221 East Main St
Round Rock, TX 78664

RE: Georgetown 245 WWTP

To whom it may concern,

Georgetown 245 WWTP, located approximately 0.48 miles West from the intersection of East State HWY 29 and County Road 192 in Jonah, Texas, in Williamson County, has applied with the State of Texas for permission to install a sewage treatment plant to serve the proposed development estimated to need about 900,000 gallons per day of sewer capacity.

In order to comply with the Texas Administrative Code, Georgetown 245 WWTP must contact all sewage treatment plants within a 3-mile radius to investigate interest/ability to receive the waste generated from this domestic site.

Your facility with WQ0010264001 located in Williamson County, Texas was found to be within 3 miles of the proposed development.

Please respond to Richard Rychlik of BGE, Inc. at the address below to inform us of:

☐ **YES** – The City of Round Rock does possess the ability to take an effluent amount of 900,000 gpd.

☐ **NO** – The City of Round Rock does NOT possess the ability to take an effluent amount of 900,000 gpd.

If you have any questions, please feel free to contact me.

Thank you,

Richard Rychlik, P.E.
RRychlik@bgeinc.com
101 West Louis Henna Blvd, Suite 400
Austin, TX 78728
(512) 879-0460

January 23, 2024

City of Hutto
401 West Front St
Hutto, TX 78634

RE: Georgetown 245 WWTP

To whom it may concern,

Georgetown 245 WWTP, located approximately 0.48 miles West from the intersection of East State HWY 29 and County Road 192 in Jonah, Texas, in Williamson County, has applied with the State of Texas for permission to install a sewage treatment plant to serve the proposed development estimated to need about 900,000 gallons per day of sewer capacity.

In order to comply with the Texas Administrative Code, Georgetown 245 WWTP must contact all sewage treatment plants within a 3-mile radius to investigate interest/ability to receive the waste generated from this domestic site.

Your facility with WQ0011324001 located in Williamson County, Texas was found to be within 3 miles of the proposed development.

Please respond to Richard Rychlik of BGE, Inc. at the address below to inform us of:

☐ **YES** – The City of Hutto does possess the ability to take an effluent amount of 900,000 gpd.

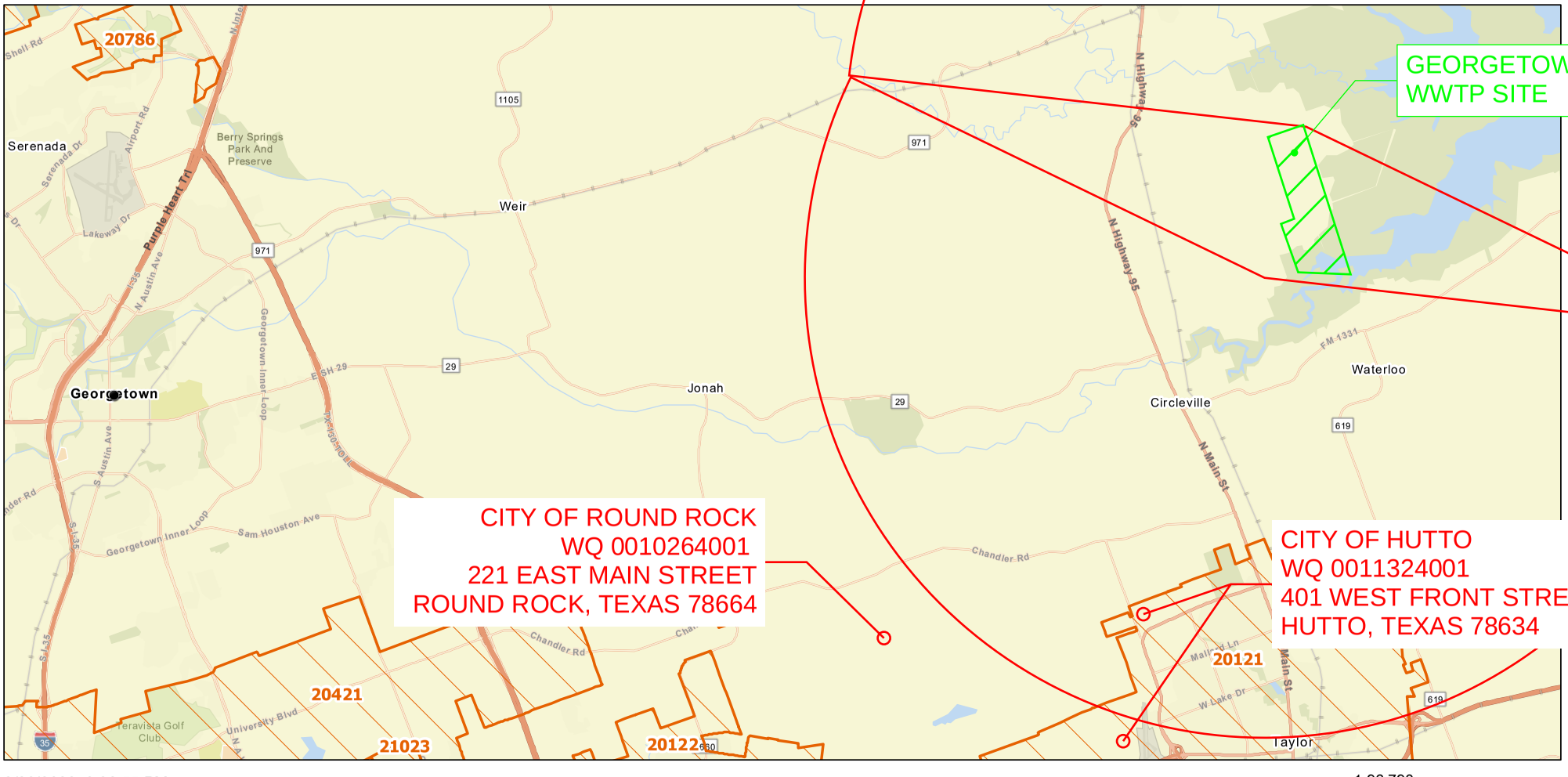
☐ **NO** – The City of Hutto does NOT possess the ability to take an effluent amount of 900,000 gpd.

If you have any questions, please feel free to contact me.

Thank you,

Richard Rychlik, P.E.
RRychlik@bgeinc.com
101 West Louis Henna Blvd, Suite 400
Austin, TX 78728
(512) 879-0460

ArcGIS Web Map



9/28/2023, 3:32:55 PM

Sewer CCN Service Areas

1:96,790

0 0.75 1.5 3 mi

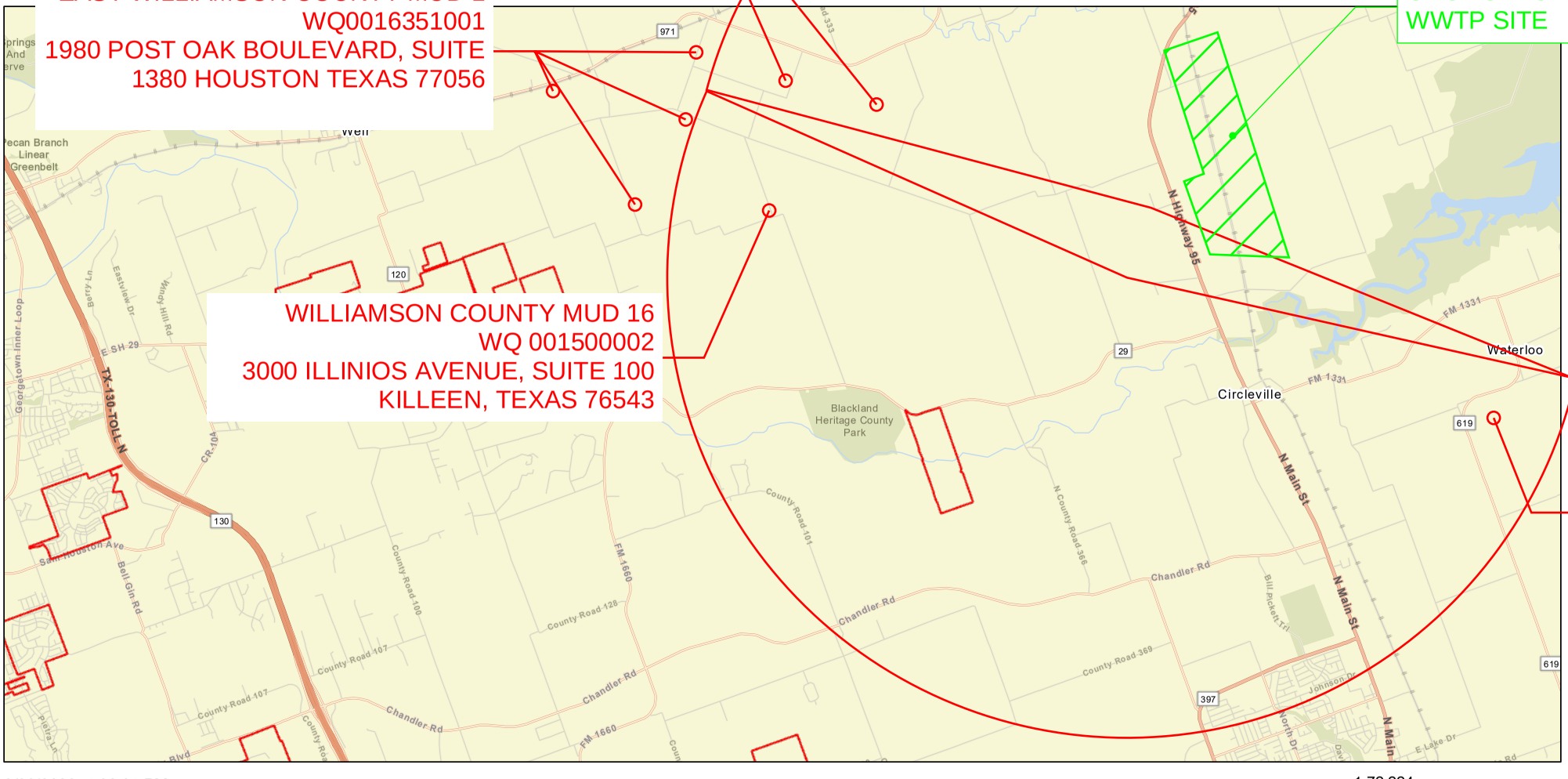
0 1.5 3 6 km

ArcGIS Web Map

EAST WILLIAMSON COUNTY MUD 1
WQ0016351001
1980 POST OAK BOULEVARD, SUITE
1380 HOUSTON TEXAS 77056

GEORGETOWN 2
WWTP SITE

WILLIAMSON COUNTY MUD 16
WQ 001500002
3000 ILLINIOS AVENUE, SUITE 100
KILLEEN, TEXAS 76543



9/28/2023, 4:02:01 PM

Municipal Utility District

1:72,224

0 0.5 1 2 mi

0 1 2 4 km

Appendix I

Design Calculations

PROJECT NAME:	**GEORGETOWN245**	**DATE:**	**10/12/2023**
CLIENT:		**BY:**	**JS**
PROJECT NUMBER:	**40003-002**	**QC:**	

WASTEWATER AND PLANT CHARACTERIZATION

Flow Rates

Annual Average			0.075	MGD	52	GPM	0.12	CFS
Peak Month	Factor	1.5	0.11	MGD	78	GPM	0.17	CFS
Peak 2-Hour	Factor	4	0.30	MGD	208	GPM	0.47	CFS
Min. Month	Factor	0.5	0.04	MGD	26	GPM	0.06	CFS

Raw Wastewater Concentrations

	Avg.	2-Hour Peak	Peak Month	Min. Month	
BOD (total)	300				mg/L
BOD (soluble)	180				mg/L
TSS	300				mg/L
VSS	240				mg/L
TKN	50				mg/L
NH3-N	40				mg/L
TP					mg/L

Effluent Requirements

BOD	10	mg/L	10
TSS	15	mg/L	15
NH3-N	2	mg/L	3
TP		mg/L	
DO		mg/L	

Select Treatment Processes from the List

Preliminary Treatment	Coarse Screening
Primary Treatment	None
Biological Treatment	Conventional Activated Sludge w/ Nitrification, @ Min.
Solids Treatment	Aerobic Digestion + Dewatering

ACTIVATED SLUDGE DESIGN

WASTEWATER CHARACTERISTICS

INFLUENT MASS LOADING		
BOD5 (AVG)	187.7	lbs/day
BOD5 (2-HR PEAK)	0.0	lbs/day
BOD5 (PEAK MONTH)	0.0	lbs/day
BOD5 (MIN MONTH)	0.0	lbs/day
TSS	187.7	lbs/day
NH_3	25.0	lbs/day
TKN	31.3	lbs/day
EFFLUENT COMPOSITION (ASSUMED FOR CONSERVATIVE DESIGN)		
BOD5	0.0	mg/L
TSS	0.0	mg/L
NH_3	0.0	mg/L
TKN	0.0	mg/L

AERATION BASIN

Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C

Description	Value	Unit
AERATION BASIN CALCULATIONS - TCEQ TRADITIONAL DESIGN - TCEQ 217, SUBCHAPTER F		
Aeration Basin Maximum Organic Loading	35.0	lbs/day/1000 ft^3
Minimum Number of Basins (For Flow < 0.4 MGD)	2.0	EA
BOD Removal Credit for Preliminary and Primary Treatment (Optional)	0%	
Total Peak BOD Loading (Based on Design Flow)	188	lbs/day
Total Aeration Basin Volume Required	6,000	ft^3
AERATION BASIN SIZING		
Proposed Number of Basins	1.0	
Side Water Depth of Basins	10.4	ft
Freeboard	1.6	ft
Total Depth of Basin	12.0	ft
Diffuser Submergence	9.9	ft
Required Volume of Each Aeration Basin	6,000	ft^3
Surface Area of Each Basin	577	ft^2
Width to Length Ratio (1:X)	4.7	
Required Width of Each Basin	12.0	ft
Required Length of Each Basin	57	ft
Proposed Volume of Each Aeration Basin	6,965	ft^3
Proposed Total Aeration Basin Volume	6,965	ft^3

75K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Description	**Value**	**Unit**
Influent BOD_5	300.0	mg/L
Influent TSS	300.0	mg/L
Influent NH_3	40.0	mg/L
Daily Flow (Q_{AVE})	150,000	gpd
Daily Flow (Q_{AVE})	104.2	gpm
Daily Flow (Q_{AVE})	0.233	cfs
2-hr Peak Flow (Q_{PK})	600,000	gpd
2-hr Peak Flow (Q_{PK})	416.7	gpm
2-hr Peak Flow (Q_{PK})	0.930	cfs
NH_3	50.2	lbs/day
BOD_5	376.2	lbs/day
TSS	376.2	lbs/day
Description		
Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C		

SECONDARY CLARIFIER		
Description	**Value**	**Unit**
Number of Clarifiers	1.0	Ea
Average Flow Per Clarifier	0.15	MGD
Peak Flow Per Clarifier	0.60	MGD
Clarifier Shape (Round, Octagonal, Square)	Round	
Design Weir Shape (Round, Segmented)	Round	
Design Number of Segments (Leave Blank If Designed Round)		
SURFACE AREA DESIGN - TCEQ 217.154 (c)(1)		
TCEQ Max Surface Loading (Q_{AVG}) TCEQ 317.4 (d)(5)	700	gal/day/ft^2
TCEQ Max Surface Loading (Q_{PK}) TCEQ 217.154 (c)(1)	1,200	gal/day/ft^2
Design Diameter	**36.0**	ft
Surface Area Required at Peak Flow Per Clarifier	500.0	ft^2
Surface Area Required for All Clarifiers at Peak Flow	500.0	ft^2
Proposed Surface Area Per Clarifier	1,017.9	ft^2
Total Proposed Surface Area for All Clarifiers	1,017.9	ft^2
Actual Design Surface Loading at Design Flow (Q_{AVE})	147.4	gal/day/ft^2
Actual Design Surface Loading at Peak Flow (Q_{PK})	589.5	gal/day/ft^2
SIDE WATER DEPTH - TCEQ 217.152 (g)		
Side Water Depth For Clarifier Surface Area Greater Than 300 sqft.	10	ft
Side Water Depth For Clarifier Surface Area Equal To Or Less Than 300 sqft.	8	ft
Controlling Minimum Depth Requirement	10.0	ft
Proposed Clarifier Side Water Depth (Not Total Depth)	**10.0**	ft
Design Floor Slope (1:X)	12.0	
Design Overall Depth (Including 1:12, sloped bottom)	11.5	ft
HYDRAULIC DETENTION TIME - TCEQ 217.154 (c)(1)		
TCEQ Min Detention Time (Q_{AVE})	2.6	hours

75K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Description	**Value**	**Unit**
TCEQ Min Detention Time (Q_{PK})	1.8	hours
Recycle Ratio at Design Flow (200 gpd/sf) Per Clarifier	0.20	MGD
Recycle Ratio at Peak Flow (400 gpd/sf) Per Clarifier	0.41	MGD
Flow per Clarifier for Hydraulic Detention Time @ Design Flow (w/ Recycle)	0.35	MGD
Flow per Clarifier for Hydraulic Detention Time @ Peak Flow (w/ Recycle)	1.01	MGD
Required Treatment Volume At Design Flow for Each Clarifier	5,120.9	ft^3
Required Treatment Volume At Peak Flow for Each Clarifier	10,098.4	ft^3
Proposed Treatment Volume for Each Clarifier	10,178.8	ft^3
Actual Hydraulic Detention Time at Design Flow	5.2	hours
Actual Hydraulic Detention Time at Peak Flow	1.8	hours
SOLIDS LOADING RATE - TCEQ 317.4 (d)(5)		
Totals Solids to Clarifier	15,012.0	lbs/day
Proposed Surface Area of Clarifier	1,017.9	ft^2
Loading Rate of Solids to Clarifier	14.7	$lbs/day/ft^2$
TCEQ Maximum Loading Rate	50.0	$lbs/day/ft^2$
EFFLUENT WEIR DESIGN - TCEQ 217.152 (d)		
Weir loading (For Plants with Design Flows 1.0 MGD or less)	20,000	gal/day/ft
Weir loading (For Plants with Design Flows Over 1.0 MGD)	30,000	gal/day/ft
Controlling Weir Loading Criteria	20,000.0	gal/day/ft
Total Length of Weir Required Per Clarifier @ Peak Flow	30.0	ft
Total Length of Weir Required For All Clarifiers @ Peak Flow	30.0	ft
Proposed Weir Distance from Wall	1.0	ft
Diameter of Effluent Weir	34.0	ft
Design Weir Length Per Clarifier	106.8	ft
Total Design Weir Length	106.8	ft
Actual Surface Area Loading @ Peak Flow	5,617.2	$gal/day/ft^2$
Actual Surface Area Loading @ Average Flow	1,404.3	$gal/day/ft^2$
TORQUE RATINGS OF DRIVES AND RAKES		
Resistive Force of Secondary Sludge (W)	6.0	lb/ft
Running Torque (Wr^2)	1,944.0	ft-lbs
RETURN ACTIVATED SLUDGE FLOW RATES - TCEQ 217.152 (j)		
Lower Limit Underflow Rate - TCEQ 217.152(j)	200	gpd/ft^2
Minimum RAS Flow Rate (per clarifier)	141.4	gpm
Upper Limit Underflow Rate - TCEQ 217.152(j)	400	gpd/ft^2
Maximum RAS Flow Rate (per clarifier)	282.7	gpm
Combined Upper Limit RAS Underflow Rate for Plant	282.7	gpm
STILLING WELL DESIGN		
Maximum Stilling Well Velocity (@ Peak Flow) TCEQ 217.152 (a)(4)	0.15	ft/sec
Peak Flow For Individual Clarifier	0.60	MGD
Total Area Required	6.2	ft^2
Diameter of Each Stilling Well	3.0	ft
Area of Each Stilling Well	7.1	ft^2

75K DESIGN CALCULATIONS

TCEQ DESIGN CRITERIA (CHAPTER 317.5 (B))		
Minimum Detention Time	15.0	days
Volume Requirement	20.0	ft^3/lb BOD_5/day
Aeration Requirement	30.0	scfm/1000 ft^3
If Mechanical Aeration is Used	1.5	HP/1000 ft^3
TCEQ DESIGN CRITERIA (CHAPTER 217, SUBCHAPTER J)		
Minimum Temperature	15.0	deg C
Required Minimum Detention Time	60.0	days
Minimum Volatile Solids Loading Rate	100.0	lb/1000 ft^3/day
Maximum Volatile Solids Loading Rate	200.0	lb/1000 ft^3/day
Aeration Requirement	20.0	SCFM/1000 ft^3
NOTE: Aerobic digester has to be sized for average day flow		
Biodegradable Volatile Solids in WAS	0.7	lb VS/BOD removed
Destruction	0.3	lb VS/BOD removed
Note: Typical minimum Solids Retention Time (SRT) maintained in WWTPs is 8 days. Secondary solids production is typically		
Influent Solids	188	lbs/day
Digested Solids Production	148	lbs/day
Average Digested Solids Production	168	lbs/day
Total Sludge Production, lbs/day	168	lbs/day
Assumed Average Dig. Conc., mg/l	15,000.0	mg/l
Total Sludge to Aerobic Digester	1,342.50	gal/d
Volume Required Based on Min. Detention Time @ 60 Days	10,768.72	ft^3
Volume Required Based on Min. Detention Time @ 15 Days	2,692.18	ft^3
CHECK IF CHAPTER 217 VOLATILE SOLIDS LOADING RATE REQUIREMENTS CAN BE MET		
Volatile Suspended Solids Loading	131	lbs/day
Volatile Solids Loading Rate for 60 Days Storage Volume	0.00073	lb/1000 ft^3
Volatile Solids Loading Rate	**ERROR!**	
Note: It is not possible to meet both the min. required detention time and min. required VS solids loading rate requirements without significant thickening before the sludge is stabilized in the digester. Hence, it is prudent to just meet the required min. detention time alone. Also, if the sludge is to be disposed of in a landfill, sludge stabilization will not be required and a full detention time is not necessary. When a full dettention time is not provided, the basin will not be a true aerobic digester; instead, it will be reconfigured as a sludge holding tank.		
SLUDGE HOLDING TANK DESIGN		
Number of Basins	1.0	Ea
Side Water Depth	10.4	ft
Width	12.0	ft
Length	32	ft
Design Volume	3,994	ft^3
DESIGN CHECK		
Detention Time	22.25	days
Design Volume to Loading Ratio	21.28	ft^3/lb BOD_5/day

75K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Design Flow Rate (Average Daily Flow)	0.15	MGD
Design Flow Rate (2-Hour Peak Flow)	0.60	MGD

CHLORINE CONTACT CHAMBER		
Description	**Value**	**Unit**
TCEQ Min Detention Time (Q_{PK}) (TCEQ217.281(b)(1)	20.0	min
TCEQ Required Minimum Volume	1,114.1	ft^3
TCEQ Required Minimum Volume	8,333.3	gal
Chlorine Contact Basin Sizing (Excluding Chlorine Mixing Chamber)		
Design Number of Trains	1.0	
Design Side Water Depth at Peak Flow	8.0	ft
Design Width of Basin	12.0	ft
Design Channel Width	2.0	ft
Design Channel Length (Assumes 40:1 L:W ratio per TCEQ 217.281(a)(2))	80.0	ft
Number of Partition	7.0	ea
DESIGN LENGTH OF BASIN	16.0	ft
PROPOSED VOLUME	1,280.0	ft^3
ACTUAL CCB VOLUME	1,536.0	ft^3
Actual Detention Time at Peak Flow	27.6	min
ACTUAL CHANNEL LENGTH	96.0	ft

PROJECT NAME:	**GEORGETOWN245**	**DATE:**	**10/12/2023**
CLIENT:		**BY:**	**JS**
PROJECT NUMBER:	**40003-002**	**QC:**	

WASTEWATER AND PLANT CHARACTERIZATION

Flow Rates

Annual Average			0.30	MGD	208	GPM	0.47
Peak Month	Factor	1.5	0.45	MGD	313	GPM	0.70
Peak 2-Hour	Factor	4	1.20	MGD	833	GPM	1.86
Min. Month	Factor	0.5	0.15	MGD	104	GPM	0.23

Raw Wastewater Concentrations

	Avg.	2-Hour Peak	Peak Month	Min. Month	
BOD (total)	300				mg/L
BOD (soluble)	180				mg/L
TSS	300				mg/L
VSS	240				mg/L
TKN	50				mg/L
NH3-N	40				mg/L
TP					mg/L

Effluent Requirements

BOD	10	mg/L	10
TSS	15	mg/L	15
NH3-N	2	mg/L	3
TP		mg/L	
DO		mg/L	

Select Treatment Processes from the List

Preliminary Treatment	Coarse Screening
Primary Treatment	None
Biological Treatment	Conventional Activated Sludge w/ Nitrification, @ Min.
Solids Treatment	Aerobic Digestion + Dewatering

300K DESIGN CALCULATIONS

ACTIVATED SLUDGE DESIGN

WASTEWATER CHARACTERISTICS

INFLUENT MASS LOADING		
BOD5 (AVG)	750.6	lbs/day
BOD5 (2-HR PEAK)	0.0	lbs/day
BOD5 (PEAK MONTH)	0.0	lbs/day
BOD5 (MIN MONTH)	0.0	lbs/day
TSS	750.6	lbs/day
NH_3	100.1	lbs/day
TKN	125.1	lbs/day
EFFLUENT COMPOSITION (ASSUMED FOR CONSERVATIVE DESIGN)		
BOD5	0.0	mg/L
TSS	0.0	mg/L
NH_3	0.0	mg/L
TKN	0.0	mg/L

AERATION BASIN

Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C

Description	Value	Unit
AERATION BASIN CALCULATIONS - TCEQ TRADITIONAL DESIGN - TCEQ 217, SUBCHAPTER F		
Aeration Basin Maximum Organic Loading	35.0	lbs/day/1000 ft^3
Minimum Number of Basins (For Flow < 0.4 MGD)	2.0	EA
BOD Removal Credit for Preliminary and Primary Treatment (Optional)	0%	
Total Peak BOD Loading (Based on Design Flow)	751	lbs/day
Total Aeration Basin Volume Required	22,000	ft^3
AERATION BASIN SIZING		
Proposed Number of Basins	4.0	
Side Water Depth of Basins	10.4	ft
Freeboard	1.6	ft
Total Depth of Basin	12.0	ft
Diffuser Submergence	9.9	ft
Required Volume of Each Aeration Basin	5,500	ft^3
Surface Area of Each Basin	529	ft^2
Width to Length Ratio (1:X)	4.7	
Required Width of Each Basin	12.0	ft
Required Length of Each Basin	57	ft
Proposed Volume of Each Aeration Basin	6,965	ft^3
Proposed Total Aeration Basin Volume	27,862	ft^3

300K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Description	**Value**	**Unit**
Influent BOD_5	300.0	mg/L
Influent TSS	300.0	mg/L
Influent NH_3	40.0	mg/L
Daily Flow (Q_{AVE})	300,000	gpd
Daily Flow (Q_{AVE})	208.3	gpm
Daily Flow (Q_{AVE})	0.465	cfs
2-hr Peak Flow (Q_{PK})	1,200,000	gpd
2-hr Peak Flow (Q_{PK})	833.3	gpm
2-hr Peak Flow (Q_{PK})	1.860	cfs
NH_3	100.3	lbs/day
BOD_5	752.4	lbs/day
TSS	752.4	lbs/day
Description		
Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C		

SECONDARY CLARIFIER		
Description	**Value**	**Unit**
Number of Clarifiers	2.0	Ea
Average Flow Per Clarifier	0.15	MGD
Peak Flow Per Clarifier	0.60	MGD
Clarifier Shape (Round, Octagonal, Square)	Round	
Design Weir Shape (Round, Segmented)	Round	
Design Number of Segments (Leave Blank If Designed Round)		
SURFACE AREA DESIGN - TCEQ 217.154 (c)(1)		
TCEQ Max Surface Loading (Q_{AVG}) TCEQ 317.4 (d)(5)	700	gal/day/ft^2
TCEQ Max Surface Loading (Q_{PK}) TCEQ 217.154 (c)(1)	1,200	gal/day/ft^2
Design Diameter	**36.0**	ft
Surface Area Required at Peak Flow Per Clarifier	500.0	ft^2
Surface Area Required for All Clarifiers at Peak Flow	1,000.0	ft^2
Proposed Surface Area Per Clarifier	1,017.9	ft^2
Total Proposed Surface Area for All Clarifiers	2,035.8	ft^2
Actual Design Surface Loading at Design Flow (Q_{AVE})	147.4	gal/day/ft^2
Actual Design Surface Loading at Peak Flow (Q_{PK})	589.5	gal/day/ft^2
SIDE WATER DEPTH - TCEQ 217.152 (g)		
Side Water Depth For Clarifier Surface Area Greater Than 300 sqft.	10	ft
Side Water Depth For Clarifier Surface Area Equal To Or Less Than 300 sqft.	8	ft
Controlling Minimum Depth Requirement	10.0	ft
Proposed Clarifier Side Water Depth (Not Total Depth)	**10.0**	ft
Design Floor Slope (1:X)	12.0	
Design Overall Depth (Including 1:12, sloped bottom)	11.5	ft

300K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Description	**Value**	**Unit**
HYDRAULIC DETENTION TIME - TCEQ 217.154 (c)(1)		
TCEQ Min Detention Time (Q_{AVE})	2.6	hours
TCEQ Min Detention Time (Q_{PK})	1.8	hours
Recycle Ratio at Design Flow (200 gpd/sf) Per Clarifier	0.20	MGD
Recycle Ratio at Peak Flow (400 gpd/sf) Per Clarifier	0.41	MGD
Flow per Clarifier for Hydraulic Detention Time @ Design Flow (w/ Recycle)	0.35	MGD
Flow per Clarifier for Hydraulic Detention Time @ Peak Flow (w/ Recycle)	1.01	MGD
Required Treatment Volume At Design Flow for Each Clarifier	5,120.9	ft^3
Required Treatment Volume At Peak Flow for Each Clarifier	10,098.4	ft^3
Proposed Treatment Volume for Each Clarifier	10,178.8	ft^3
Actual Hydraulic Detention Time at Design Flow	5.2	hours
Actual Hydraulic Detention Time at Peak Flow	1.8	hours
SOLIDS LOADING RATE - TCEQ 317.4 (d)(5)		
Totals Solids to Clarifier	15,012.0	lbs/day
Proposed Surface Area of Clarifier	1,017.9	ft^2
Loading Rate of Solids to Clarifier	14.7	$lbs/day/ft^2$
TCEQ Maximum Loading Rate	50.0	$lbs/day/ft^2$
EFFLUENT WEIR DESIGN - TCEQ 217.152 (d)		
Weir loading (For Plants with Design Flows 1.0 MGD or less)	20,000	gal/day/ft
Weir loading (For Plants with Design Flows Over 1.0 MGD)	30,000	gal/day/ft
Controlling Weir Loading Criteria	20,000.0	gal/day/ft
Total Length of Weir Required Per Clarifier @ Peak Flow	30.0	ft
Total Length of Weir Required For All Clarifiers @ Peak Flow	60.0	ft
Proposed Weir Distance from Wall	1.0	ft
Diameter of Effluent Weir	34.0	ft
Design Weir Length Per Clarifier	106.8	ft
Total Design Weir Length	213.6	ft
Actual Surface Area Loading @ Peak Flow	5,617.2	$gal/day/ft^2$
Actual Surface Area Loading @ Average Flow	1,404.3	$gal/day/ft^2$
TORQUE RATINGS OF DRIVES AND RAKES		
Resistive Force of Secondary Sludge (W)	6.0	lb/ft
Running Torque (Wr^2)	1,944.0	ft-lbs
RETURN ACTIVATED SLUDGE FLOW RATES - TCEQ 217.152 (j)		
Lower Limit Underflow Rate - TCEQ 217.152(j)	200	gpd/ft^2
Minimum RAS Flow Rate (per clarifier)	141.4	gpm
Upper Limit Underflow Rate - TCEQ 217.152(j)	400	gpd/ft^2
Maximum RAS Flow Rate (per clarifier)	282.7	gpm
Combined Upper Limit RAS Underflow Rate for Plant	565.5	gpm

WASTEWATER CHARACTERISTICS		
Description	**Value**	**Unit**
STILLING WELL DESIGN		
Maximum Stilling Well Velocity (@ Peak Flow) TCEQ 217.152 (a)(4)	0.15	ft/sec
Peak Flow For Individual Clarifier	0.60	MGD
Total Area Required	6.2	ft^2
Diameter of Each Stilling Well	3.0	ft
Area of Each Stilling Well	7.1	ft^2

300K DESIGN CALCULATIONS

TCEQ DESIGN CRITERIA (CHAPTER 317.5 (B))		
Minimum Detention Time	15.0	days
Volume Requirement	20.0	ft^3/lb BOD_5/day
Aeration Requirement	30.0	scfm/1000 ft^3
If Mechanical Aeration is Used	1.5	HP/1000 ft^3
TCEQ DESIGN CRITERIA (CHAPTER 217, SUBCHAPTER J)		
Minimum Temperature	15.0	deg C
Required Minimum Detention Time	60.0	days
Minimum Volatile Solids Loading Rate	100.0	lb/1000 ft^3/day
Maximum Volatile Solids Loading Rate	200.0	lb/1000 ft^3/day
Aeration Requirement	20.0	SCFM/1000 ft^3
NOTE: Aerobic digester has to be sized for average day flow		
Biodegradable Volatile Solids in WAS	0.7	lb VS/BOD removed
Destruction	0.3	lb VS/BOD removed
Note: Typical minimum Solids Retention Time (SRT) maintained in WWTPs is 8 days. Secondary solids production is typically		
Influent Solids	751	lbs/day
Digested Solids Production	593	lbs/day
Average Digested Solids Production	672	lbs/day
Total Sludge Production, lbs/day	672	lbs/day
Assumed Average Dig. Conc., mg/l	15,000.0	mg/l
Total Sludge to Aerobic Digester	5,370.00	gal/d
Volume Required Based on Min. Detention Time @ 60 Days	43,074.87	ft^3
Volume Required Based on Min. Detention Time @ 15 Days	10,768.72	ft^3
CHECK IF CHAPTER 217 VOLATILE SOLIDS LOADING RATE REQUIREMENTS CAN BE MET		
Volatile Suspended Solids Loading	525	lbs/day
Volatile Solids Loading Rate for 60 Days Storage Volume	0.00073	lb/1000 ft^3
Volatile Solids Loading Rate	**ERROR!**	
Note: It is not possible to meet both the min. required detention time and min. required VS solids loading rate requirements without significant thickening before the sludge is stabilized in the digester. Hence, it is prudent to just meet the required min. detention time alone. Also, if the sludge is to be disposed of in a landfill, sludge stabilization will not be required and a full detention time is not necessary. When a full dettention time is not provided, the basin will not be a true aerobic digester; instead, it will be reconfigured as a sludge holding tank.		
SLUDGE HOLDING TANK DESIGN		
Number of Basins	4.0	Ea
Side Water Depth	10.4	ft
Width	12.0	ft
Length	32	ft
Design Volume	15,974	ft^3
DESIGN CHECK		
Detention Time	22.25	days
Design Volume to Loading Ratio	21.28	ft^3/lb BOD_5/day

300K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Design Flow Rate (Average Daily Flow)	0.30	MGD
Design Flow Rate (2-Hour Peak Flow)	1.20	MGD

CHLORINE CONTACT CHAMBER		
Description	**Value**	**Unit**
TCEQ Min Detention Time (Q_{PK}) (TCEQ217.281(b)(1)	20.0	min
TCEQ Required Minimum Volume	2,228.2	ft^3
TCEQ Required Minimum Volume	16,666.7	gal
Chlorine Contact Basin Sizing (Excluding Chlorine Mixing Chamber)		
Design Number of Trains	2.0	
Design Side Water Depth at Peak Flow	8.0	ft
Design Width of Basin	12.0	ft
Design Channel Width	2.0	ft
Design Channel Length (Assumes 40:1 L:W ratio per TCEQ 217.281(a)(2))	80.0	ft
Number of Partition	7.0	ea
DESIGN LENGTH OF BASIN	16.0	ft
PROPOSED VOLUME	2,560.0	ft^3
ACTUAL CCB VOLUME	3,072.0	ft^3
Actual Detention Time at Peak Flow	27.6	min
ACTUAL CHANNEL LENGTH	96.0	ft

PROJECT NAME:	**GEORGETOWN245**	**DATE:**	**10/12/2023**
CLIENT:		**BY:**	**JS**
PROJECT NUMBER:	**40003-002**	**QC:**	

WASTEWATER AND PLANT CHARACTERIZATION

Flow Rates

Annual Average			0.90	MGD	625	GPM
Peak Month	Factor	1.5	1.35	MGD	938	GPM
Peak 2-Hour	Factor	4	3.60	MGD	2,500	GPM
Min. Month	Factor	0.5	0.45	MGD	313	GPM

Raw Wastewater Concentrations

	Avg.	2-Hour Peak	Peak Month	Min. Month	
BOD (total)	300				mg/L
BOD (soluble)	180				mg/L
TSS	300				mg/L
VSS	240				mg/L
TKN	50				mg/L
NH3-N	40				mg/L
TP					mg/L

Effluent Requirements

BOD	10	mg/L	10
TSS	15	mg/L	15
NH3-N	2	mg/L	3
TP		mg/L	
DO		mg/L	

Select Treatment Processes from the List

Preliminary Treatment	Coarse Screening
Primary Treatment	None
Biological Treatment	Conventional Activated Sludge w/ Nitrificatio
Solids Treatment	Aerobic Digestion + Dewatering

900K DESIGN CALCULATIONS

ACTIVATED SLUDGE DESIGN

WASTEWATER CHARACTERISTICS

INFLUENT MASS LOADING		
BOD5 (AVG)	2,251.8	lbs/day
BOD5 (2-HR PEAK)	0.0	lbs/day
BOD5 (PEAK MONTH)	0.0	lbs/day
BOD5 (MIN MONTH)	0.0	lbs/day
TSS	2,251.8	lbs/day
NH_3	300.2	lbs/day
TKN	375.3	lbs/day
EFFLUENT COMPOSITION (ASSUMED FOR CONSERVATIVE DESIGN)		
BOD5	0.0	mg/L
TSS	0.0	mg/L
NH_3	0.0	mg/L
TKN	0.0	mg/L

AERATION BASIN

Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C

Description	Value	Unit
AERATION BASIN CALCULATIONS - TCEQ TRADITIONAL DESIGN - TCEQ 217, SUBCHAPTER F		
Aeration Basin Maximum Organic Loading	35.0	lbs/day/1000 ft^3
Minimum Number of Basins (For Flow < 0.4 MGD)	2.0	EA
BOD Removal Credit for Preliminary and Primary Treatment (Optional)	0%	
Total Peak BOD Loading (Based on Design Flow)	2,252	lbs/day
Total Aeration Basin Volume Required	65,000	ft^3
AERATION BASIN SIZING		
Proposed Number of Basins	12.0	
Side Water Depth of Basins	10.4	ft
Freeboard	1.6	ft
Total Depth of Basin	12.0	ft
Diffuser Submergence	9.9	ft
Required Volume of Each Aeration Basin	5,417	ft^3
Surface Area of Each Basin	521	ft^2
Width to Length Ratio (1:X)	4.7	
Required Width of Each Basin	12.0	ft
Required Length of Each Basin	57	ft
Proposed Volume of Each Aeration Basin	6,965	ft^3
Proposed Total Aeration Basin Volume	83,585	ft^3

900K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Description	**Value**	**Unit**
Influent BOD_5	300.0	mg/L
Influent TSS	300.0	mg/L
Influent NH_3	40.0	mg/L
Daily Flow (Q_{AVE})	900,000	gpd
Daily Flow (Q_{AVE})	625.0	gpm
Daily Flow (Q_{AVE})	1.395	cfs
2-hr Peak Flow (Q_{PK})	3,600,000	gpd
2-hr Peak Flow (Q_{PK})	2,500.0	gpm
2-hr Peak Flow (Q_{PK})	5.580	cfs
NH_3	301.0	lbs/day
BOD_5	2,257.2	lbs/day
TSS	2,257.2	lbs/day
Description		
Conventional Activated Sludge w/ Nitrification, @ Min. Temp > 15°C		

SECONDARY CLARIFIER		
Description	**Value**	**Unit**
Number of Clarifiers	6.0	Ea
Average Flow Per Clarifier	0.15	MGD
Peak Flow Per Clarifier	0.60	MGD
Clarifier Shape (Round, Octagonal, Square)	Round	
Design Weir Shape (Round, Segmented)	Round	
Design Number of Segments (Leave Blank If Designed Round)		
SURFACE AREA DESIGN - TCEQ 217.154 (c)(1)		
TCEQ Max Surface Loading (Q_{AVG}) TCEQ 317.4 (d)(5)	700	gal/day/ft^2
TCEQ Max Surface Loading (Q_{PK}) TCEQ 217.154 (c)(1)	1,200	gal/day/ft^2
Design Diameter	**36.0**	ft
Surface Area Required at Peak Flow Per Clarifier	500.0	ft^2
Surface Area Required for All Clarifiers at Peak Flow	3,000.0	ft^2
Proposed Surface Area Per Clarifier	1,017.9	ft^2
Total Proposed Surface Area for All Clarifiers	6,107.3	ft^2
Actual Design Surface Loading at Design Flow (Q_{AVE})	147.4	gal/day/ft^2
Actual Design Surface Loading at Peak Flow (Q_{PK})	589.5	gal/day/ft^2
SIDE WATER DEPTH - TCEQ 217.152 (g)		
Side Water Depth For Clarifier Surface Area Greater Than 300 sqft.	10	ft
Side Water Depth For Clarifier Surface Area Equal To Or Less Than 300 sqft.	8	ft
Controlling Minimum Depth Requirement	10.0	ft
Proposed Clarifier Side Water Depth (Not Total Depth)	**10.0**	ft
Design Floor Slope (1:X)	12.0	
Design Overall Depth (Including 1:12, sloped bottom)	11.5	ft

900K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Description	**Value**	**Unit**
HYDRAULIC DETENTION TIME - TCEQ 217.154 (c)(1)		
TCEQ Min Detention Time (Q_{AVE})	2.6	hours
TCEQ Min Detention Time (Q_{PK})	1.8	hours
Recycle Ratio at Design Flow (200 gpd/sf) Per Clarifier	0.20	MGD
Recycle Ratio at Peak Flow (400 gpd/sf) Per Clarifier	0.41	MGD
Flow per Clarifier for Hydraulic Detention Time @ Design Flow (w/ Recycle)	0.35	MGD
Flow per Clarifier for Hydraulic Detention Time @ Peak Flow (w/ Recycle)	1.01	MGD
Required Treatment Volume At Design Flow for Each Clarifier	5,120.9	ft^3
Required Treatment Volume At Peak Flow for Each Clarifier	10,098.4	ft^3
Proposed Treatment Volume for Each Clarifier	10,178.8	ft^3
Actual Hydraulic Detention Time at Design Flow	5.2	hours
Actual Hydraulic Detention Time at Peak Flow	1.8	hours
SOLIDS LOADING RATE - TCEQ 317.4 (d)(5)		
Totals Solids to Clarifier	15,012.0	lbs/day
Proposed Surface Area of Clarifier	1,017.9	ft^2
Loading Rate of Solids to Clarifier	14.7	$lbs/day/ft^2$
TCEQ Maximum Loading Rate	50.0	$lbs/day/ft^2$
EFFLUENT WEIR DESIGN - TCEQ 217.152 (d)		
Weir loading (For Plants with Design Flows 1.0 MGD or less)	20,000	gal/day/ft
Weir loading (For Plants with Design Flows Over 1.0 MGD)	30,000	gal/day/ft
Controlling Weir Loading Criteria	20,000.0	gal/day/ft
Total Length of Weir Required Per Clarifier @ Peak Flow	30.0	ft
Total Length of Weir Required For All Clarifiers @ Peak Flow	180.0	ft
Proposed Weir Distance from Wall	1.0	ft
Diameter of Effluent Weir	34.0	ft
Design Weir Length Per Clarifier	106.8	ft
Total Design Weir Length	640.9	ft
Actual Surface Area Loading @ Peak Flow	5,617.2	$gal/day/ft^2$
Actual Surface Area Loading @ Average Flow	1,404.3	$gal/day/ft^2$
TORQUE RATINGS OF DRIVES AND RAKES		
Resistive Force of Secondary Sludge (W)	6.0	lb/ft
Running Torque (Wr^2)	1,944.0	ft-lbs
RETURN ACTIVATED SLUDGE FLOW RATES - TCEQ 217.152 (j)		
Lower Limit Underflow Rate - TCEQ 217.152(j)	200	gpd/ft^2
Minimum RAS Flow Rate (per clarifier)	141.4	gpm
Upper Limit Underflow Rate - TCEQ 217.152(j)	400	gpd/ft^2
Maximum RAS Flow Rate (per clarifier)	282.7	gpm
Combined Upper Limit RAS Underflow Rate for Plant	1,696.5	gpm

900K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Description	**Value**	**Unit**
STILLING WELL DESIGN		
Maximum Stilling Well Velocity (@ Peak Flow) TCEQ 217.152 (a)(4)	0.15	ft/sec
Peak Flow For Individual Clarifier	0.60	MGD
Total Area Required	6.2	ft^2
Diameter of Each Stilling Well	3.0	ft
Area of Each Stilling Well	7.1	ft^2

900K DESIGN CALCULATIONS

TCEQ DESIGN CRITERIA (CHAPTER 317.5 (B))		
Minimum Detention Time	15.0	days
Volume Requirement	20.0	ft^3/lb BOD_5/day
Aeration Requirement	30.0	scfm/1000 ft^3
If Mechanical Aeration is Used	1.5	HP/1000 ft^3
TCEQ DESIGN CRITERIA (CHAPTER 217, SUBCHAPTER J)		
Minimum Temperature	15.0	deg C
Required Minimum Detention Time	60.0	days
Minimum Volatile Solids Loading Rate	100.0	lb/1000 ft^3/day
Maximum Volatile Solids Loading Rate	200.0	lb/1000 ft^3/day
Aeration Requirement	20.0	SCFM/1000 ft^3
NOTE: Aerobic digester has to be sized for average day flow		
Biodegradable Volatile Solids in WAS	0.7	lb VS/BOD removed
Destruction	0.3	lb VS/BOD removed
Note: Typical minimum Solids Retention Time (SRT) maintained in WWTPs is 8 days. Secondary solids production is typically		
Influent Solids	2,252	lbs/day
Digested Solids Production	1,779	lbs/day
Average Digested Solids Production	2,015	lbs/day
Total Sludge Production, lbs/day	2,015	lbs/day
Assumed Average Dig. Conc., mg/l	15,000.0	mg/l
Total Sludge to Aerobic Digester	16,110.00	gal/d
Volume Required Based on Min. Detention Time @ 60 Days	129,224.60	ft^3
Volume Required Based on Min. Detention Time @ 15 Days	32,306.15	ft^3
CHECK IF CHAPTER 217 VOLATILE SOLIDS LOADING RATE REQUIREMENTS CAN BE MET		
Volatile Suspended Solids Loading	1,576	lbs/day
Volatile Solids Loading Rate for 60 Days Storage Volume	0.00073	lb/1000 ft^3
Volatile Solids Loading Rate	**ERROR!**	
Note: It is not possible to meet both the min. required detention time and min. required VS solids loading rate requirements without significant thickening before the sludge is stabilized in the digester. Hence, it is prudent to just meet the required min. detention time alone. Also, if the sludge is to be disposed of in a landfill, sludge stabilization will not be required and a full detention time is not necessary. When a full dettention time is not provided, the basin will not be a true aerobic digester; instead, it will be reconfigured as a sludge holding tank.		
SLUDGE HOLDING TANK DESIGN		
Number of Basins	12.0	Ea
Side Water Depth	10.4	ft
Width	12.0	ft
Length	32	ft
Design Volume	47,923	ft^3
DESIGN CHECK		
Detention Time	22.25	days
Design Volume to Loading Ratio	21.28	ft^3/lb BOD_5/day

900K DESIGN CALCULATIONS

WASTEWATER CHARACTERISTICS		
Design Flow Rate (Average Daily Flow)	0.90	MGD
Design Flow Rate (2-Hour Peak Flow)	3.60	MGD

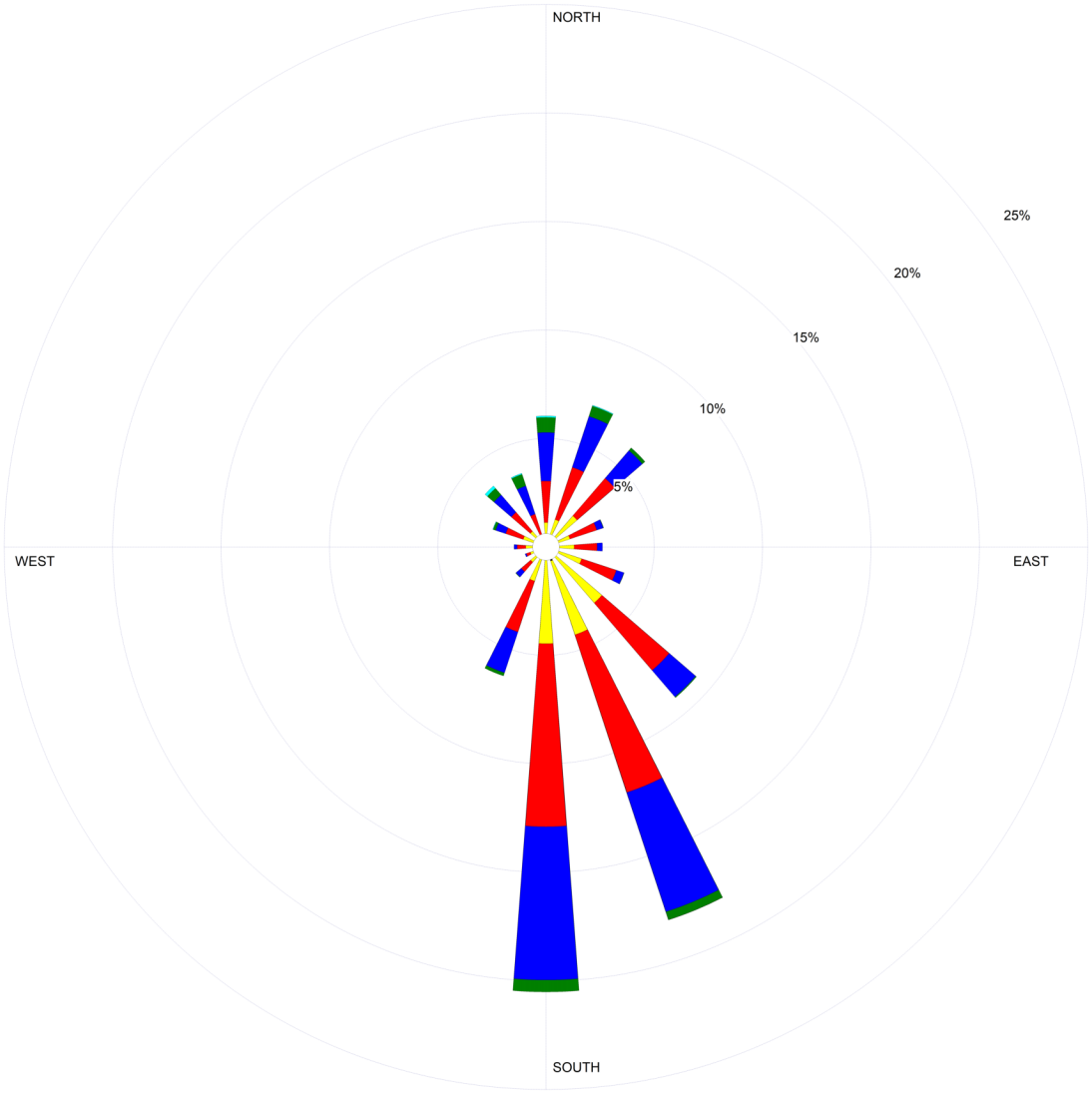
CHLORINE CONTACT CHAMBER		
Description	**Value**	**Unit**
TCEQ Min Detention Time (Q_{PK}) (TCEQ217.281(b)(1)	20.0	min
TCEQ Required Minimum Volume	6,684.5	ft^3
TCEQ Required Minimum Volume	50,000.0	gal
Chlorine Contact Basin Sizing (Excluding Chlorine Mixing Chamber)		
Design Number of Trains	6.0	
Design Side Water Depth at Peak Flow	8.0	ft
Design Width of Basin	12.0	ft
Design Channel Width	2.0	ft
Design Channel Length (Assumes 40:1 L:W ratio per TCEQ 217.281(a)(2))	80.0	ft
Number of Partition	7.0	ea
DESIGN LENGTH OF BASIN	16.0	ft
PROPOSED VOLUME	7,680.0	ft^3
ACTUAL CCB VOLUME	9,216.0	ft^3
Actual Detention Time at Peak Flow	27.6	min
ACTUAL CHANNEL LENGTH	96.0	ft

Appendix J

Wind Rose

WIND ROSE PLOT

Station #13958 - AUSTIN/MUNICIPAL ARPT, TX



Wind Speed (m/s)

- > 11.06
- 8.49 - 11.06
- 5.40 - 8.49
- 3.34 - 5.40
- 1.80 - 3.34
- 0.51 - 1.80

MODELER	DATE	COMPANY NAME
Sara West	**8/29/2002**	**USDA-ARS**
DISPLAY	UNIT	COMMENTS
Wind Speed	**m/s**	
AVG. WIND SPEED	CALM WINDS	
4.68 m/s	**3.55%**	
ORIENTATION	PLOT YEAR-DATE-TIME	
Direction (blowing from)	**1961 Apr 1 - Apr 30 Midnight - 11 PM**	

Appendix K

Solids Management Plan

SLUDGE MANAGEMENT PLANS (75K)

I.PARAMETERS

% CAPACITIES	100	75	50	25
A. AVG. FLOW (MGD)	**0.075**	**0.05625**	**0.028125**	**0.007031**

B. VOL OF PROPOSED AERATION BASIN 52,098 GAL = **6,965 CU FT**

C. BOD 300 mg/l

D. Digester Volume 3,994 Cu. Ft = 29,875 Gal

II. DAILY SLUDGE PRODUCTIONS

A. # BOD REMOVED	**188**			
300 X 8.34 X 0.075		**141**	**94**	**47**
	66			
B. # DRY SLUDGE PRODUCED		**44**	**30**	**15**
C. # WET SLUDGE PRODUCE	**3284**			
(ASSUME 2.0 % SOLIDS)		**2463**	**1642**	**821**
	394			
D. VOL WET SLUDGE PRODUCE (GAL/ DAY)		**295**	**197**	**98**
	100%			
Removal Schedule		**75%**	**50%**	**25%**
	9			
Days between sludge removal		**12**	**18**	**36**

Sludge will be removed from digester when digester is full of thickened solids. Sludge will be removed by a resistered transporter and hauled to a permitted disposal site.

MCRT for the digester storage of 29,875 gal equals 76 days at 100% capacity.

SLUDGE MANAGEMENT PLANS (300K)

I.PARAMETERS

% CAPACITIES	100	75	50	25
A. AVG. FLOW (MGD)	**0.3**	**0.225**	**0.1125**	**0.028125**

B. VOL OF PROPOSED AERATION BASIN 208,408 GAL = **27,862 CU FT**

C. BOD 300 mg/l

D. Digester Volume **15,974** Cu. Ft = 119,486 Gal

II. DAILY SLUDGE PRODUCTIONS

A. # BOD REMOVED	**751**			
300 X 8.34 X 0.3		**563**	**375**	**188**
	263			
B. # DRY SLUDGE PRODUCED		**177**	**118**	**59**
C. # WET SLUDGE PRODUCE	**13136**			
(ASSUME 2.0 % SOLIDS)		**9852**	**6568**	**3284**
	1575			
D. VOL WET SLUDGE PRODUCE (GAL/ DAY)		**1181**	**788**	**394**
	100%			
Removal Schedule		**75%**	**50%**	**25%**
	9			
Days between sludge removal		**12**	**18**	**36**

Sludge will be removed from digester when digester is full of thickened solids. Sludge will be removed by a resistered transporter and hauled to a permitted disposal site.

MCRT for the digester storage of 119,486 gal equals 76 days at 100% capacity.

SLUDGE MANAGEMENT PLANS (900K)

I.PARAMETERS

% CAPACITIES	100	75	50	25
A. AVG. FLOW (MGD)	**0.075**	**0.05625**	**0.028125**	**0.007031**

B. VOL OF PROPOSED AERATION BASIN 625,216 GAL = **83,585 CU FT**

C. BOD 300 mg/l

D. Digester Volume **47,923** Cu. Ft = 358,464 Gal

II. DAILY SLUDGE PRODUCTIONS

A. # BOD REMOVED 300 X 8.34 X 0.075	**188**	**141**	**94**	**47**
B. # DRY SLUDGE PRODUCED	**66**	**44**	**30**	**15**
C. # WET SLUDGE PRODUCE (ASSUME 2.0 % SOLIDS)	**3284**	**2463**	**1642**	**821**
D. VOL WET SLUDGE PRODUCE (GAL/ DAY)	**394**	**295**	**197**	**98**
Removal Schedule	**100%**	**75%**	**50%**	**25%**
Days between sludge removal	**109**	**146**	**218**	**437**

Sludge will be removed from digester when digester is full of thickened solids. Sludge will be removed by a resistered transporter and hauled to a permitted disposal site.

MCRT for the digester storage of 358,464 gal equals 910 days at 100% capacity.

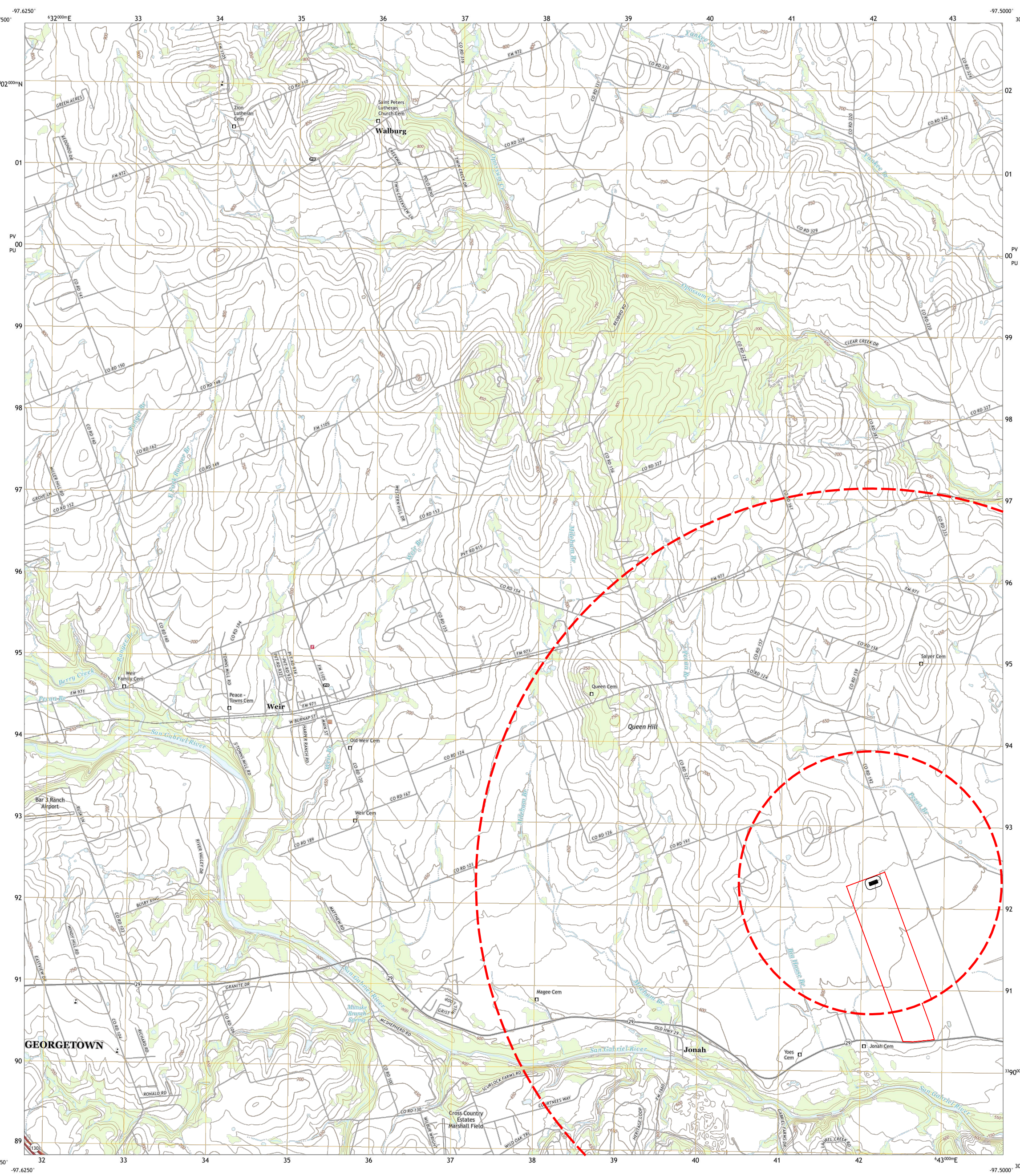
Appendix L

SPIF

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

WEIR QUADRANGLE
TEXAS - WILLIAMSON COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery........NAIP, August 2016 - November 2016
Roads........U.S. Census Bureau, 2015 - 2019
Names........GNIS, 1979 - 2022
Hydrography........National Hydrography Dataset, 2002 - 2020
Contours........National Elevation Dataset, 2019
Boundaries........Multiple sources; see metadata file 2019 - 2021

Wetlands........FWS National Wetlands Inventory Not Available

MN
GN
3°37´
64 MILS
0°44´
13 MILS

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
PV
PU
Grid Zone Designation
14R

SCALE 1:24 000

KILOMETERS 1 0.5 0 1 2
METERS 1000 500 0 1000 2000
MILES 1 0.5 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

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.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

1 Cobbs Cavern
2 Jarrell
3 Bartlett
4 Georgetown
5 Granger
6 Round Rock
7 Hutto
8 Taylor

ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

WEIR, TX
2022

NSN. 7643016398832
NGA REF NO. USGSX24K72006

Well Report Tracking Number	Well Type	Proposed Use	County	Well Owner	Well Street	Well City	Well Zip Code	Latitude (DD)	Longitude (DD)
242631	New Well	Domestic	Williamson	LEE UPSHAW	C.R. 191 JONAH			30.663056	-97.530278
267968	New Well	Domestic	Williamson	ERIC MEYER	1290 COUNTY RD. 127	GEORGETOWN	78626	30.662501	-97.531111
504209	New Well	Domestic	Williamson	Watley Tree Farm	11431 E. St. Hwy 29	Georgetown	78626	30.6396	-97.508433
509697	New Well	Domestic	Williamson	Ruben Morales	148 Cr 127	Hutto	78623	30.659953	-97.53755
587142	New Well	Domestic	Williamson	GERONIMO BARAJAS	235 CR 127	GEORGETOWN	78626	30.657222	-97.518056
602346	New Well	Domestic	Williamson	Justin Bowman	367 CR 127	Georgetown	78628	30.659722	-97.521667
602351	New Well	Domestic	Williamson	Georgetown Aiport LLC	10779 east S.H.29	Georgetown	78626	30.639722	-97.519722
602353	New Well	Domestic	Williamson	Georgetown Aiport LLC	10779 east S.H.29	Georgetown	78626	30.639722	-97.519722
634661	New Well	Domestic	Williamson	ENRIQUE C PALACIOS	350 CR 126	GEROGTOWN	78626	30.6525	-97.536667

Appendix M

PIP

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

☒ New Permit or Registration Application

☐ New Activity – modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

☒ Requires public notice,

☐ Considered to have significant public interest, **and**

☐ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

If all the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2 and submit the form.

☐ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☒ Texas Pollutant Discharge Elimination System (TPDES)

☐ Texas Land Application Permit (TLAP)

☐ State Only Concentrated Animal Feeding Operation (CAFO)

☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Jonah Water Special Utility District (CN 6000640759) proposes to operate Georgetown 245 WWTP an Domestic wastewater treatment plant. The facility will be located approximately 0.48 miles West from the intersection of East State HWY 29 and County Road 192, in Jonah, Williamson County, Texas 78626. This permit is to authorize the discharge of treated domestic wastewater to a volume not to exceed an average flow of 900,00 MGD per day. Discharges from the facility are expected to contain. Domestic wastewater will be treated by an activated sludge processing plant and the treatment units will include a bar screen, a grit chamber, aeration basin, sludge digester, final clarifier, a belt press and chlorine contact chamber.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

Georgetown

(City)

Williamson

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

☐ City ☒ County ☐ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

94%

(b) Per capita income for population near the specified location

$42,959.00

(c) Percent of minority population and percent of population by race within the specified location

43%-Minority and White: 57%, Black: 6%, Asian: 7%, Hispanic: 25%, Two or more races: 4%

(d) Percent of Linguistically Isolated Households by language within the specified location

Spanish: 56%, Other Indo-European: 16%, Other Asian and Pacific Island: 26%, and Speaks other Languages: 2%

(e) Languages commonly spoken in area by percentage

English: 77%, Spanish: 14%, Other Indo-European: 2%, Korean: 1%, Chinese: 1%, Vietnamese: 1%, Other Asian and Pacific Island: 2%, and total Non English: 23%

(f) Community and/or Stakeholder Groups

N/A

(g) Historic public interest or involvement

N/A

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☒ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☒ No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

☒ Yes ☐ No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

☑ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☒ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☒ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

☐ TCEQ Regional Office ☐ TCEQ Central Office

☑ Public Place (specify) Round Rock Public Library

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☒ Yes ☐ No

What types of notice will be provided?

☒ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

Appendix N

TXDOT DISCHARGE PERMIT AUTHORIZATION LETTER

January 23, 2024

Tucker Ferguson, P.E.
District Engineer
Texas Department of Transportation
7901 N. I-35 Austin, Texas 78753

RE: TCEQ 10053 – Domestic Wastewater Discharge Permit

To whom it may concern,

On behalf of our client, Lakshmi Land Group LLC, BGE, Inc. is preparing a Texas Commission of Environmental Quality (TCEQ) 10053 Domestic Wastewater Discharge Permit for the creation of a 0.90 MGD wastewater treatment plan located along East State Highway 29. The WWTP site will be located approximately 0.25 miles west from the intersection of East State Highway 29 and County Road 192 in Jonah, in Williamson County Texas. The proposed WWTP will be part of a larger development that includes the construction of approximately 1,200 single-family homes. The physical address is 11301 Highway 29 Georgetown, Texas 78626. Please refer to the enclosed location map for detail.

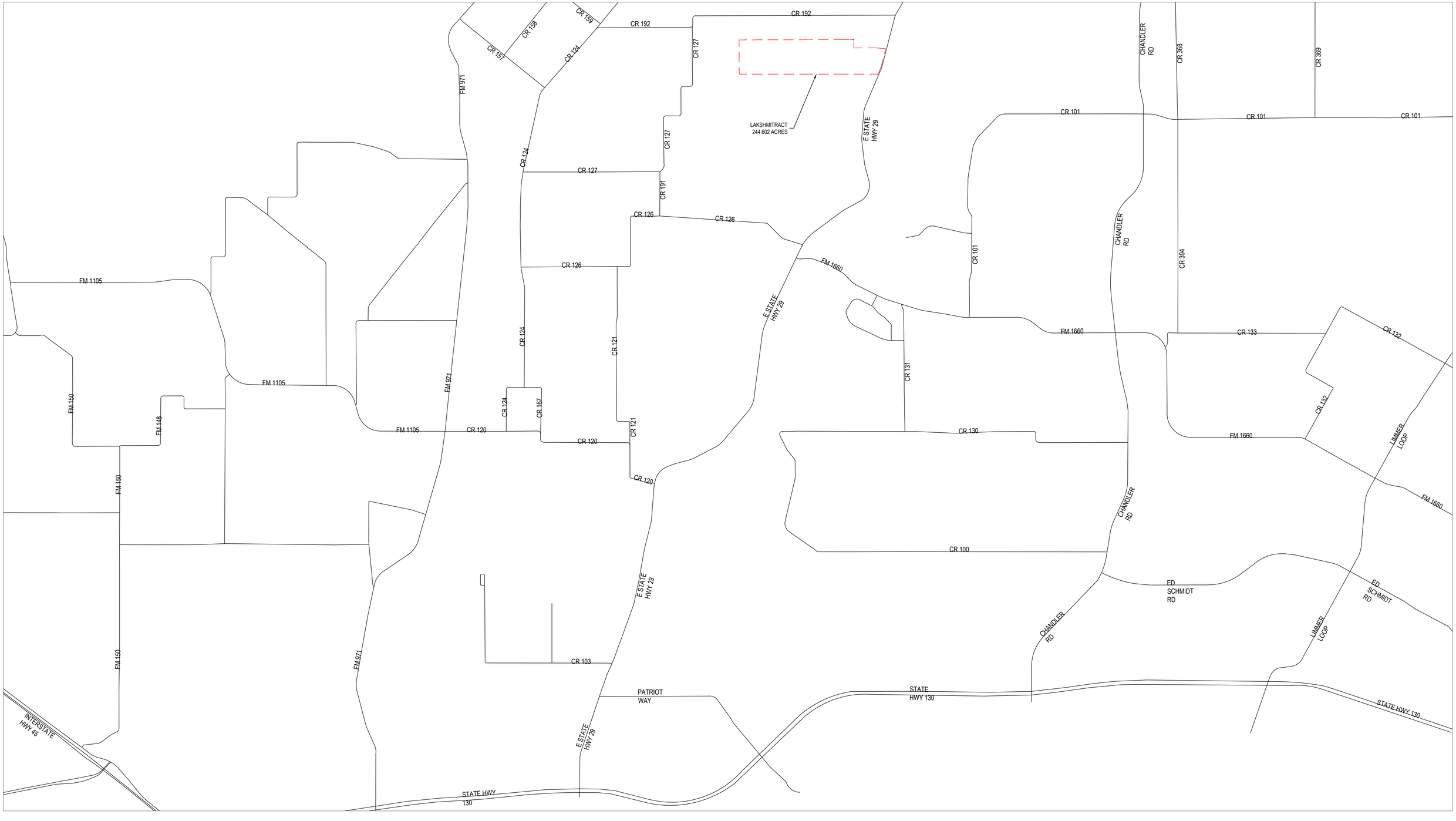
The point of discharge will be at Coordinates: 30°38'14.87"N. 97°30'45.29"W. The effluent will travel through a 12" pipe for approximately 3,100' until it reaches the end of the development property. The effluent will then travel for approximately 1,562 feet through the roadside ditch of the roadway East State Highway 29 until it reaches a culvert pipe. The culvert pipe is approximately 86' long and outfalls into a man-made ditch which travel approximately 2,303' until it reaches the San Gabriel / North Fork San Gabriel River. Please refer to the enclosed route exhibit for detail.

Due to the proposed point of discharge being in the state highway right-of-way, and to satisfy TCEQ-10053 application requirements, this letter is intended to inform TxDOT of the discharge permit for authorization to use the listed outfall coordinates for the Georgetown 245 WWTP.

If you have any questions, please feel free to contact me at my e-mail address below.

Thank you,

Richard Rychlik, P.E.
RRychlik@bgeinc.com
101 West Louis Henna Blvd, Suite 400
Austin, TX 78728
(512) 879-0460



BGE, Inc.
101 W LOUIS HENNA BLVD, SUITE 400
AUSTIN, TX 78728
TEL: 512-879-0400 • www.bgeinc.com
TBPE Registration No. F-1046

LAKSHMI TRACT ATTACHMENT - VICINITY MAP

May 1, 2024 | Williamson County, TX | Drawn By: DAR

0 1000’ 2000’