



# 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 en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
  - Inglés
  - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
  - Inglés
  - Idioma alternativo (español)
3. Solicitud original



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

## Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 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/STORMWATER

*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 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.*

Taylor Morrison of Texas, Inc and KL LB Buy 3 LLC (CN603324757 and CN606367217, respectively) proposes to operate Roberts Cemetery Road Wastewater Treatment Plant (RN112244629), a municipal domestic wastewater treatment facility. The facility will be located at approximately 440 feet east of the intersection of Brushy Forest Drive and Saxon Way, in Hockley, Montgomery County, Texas 77447. This application is for a new application to discharge at an average daily flow of 250,000 gallons per day, at ultimate, of treated wastewater.

Discharges from the facility are expected to contain five day carbonaceous biological oxygen demand (cBOD), total suspended solids, ammonia nitrogen, and Escherichia coli. Domestic wastewater will be treated by an activated sludge process plant and treatment units will include a manual bar screen, aeration basins, final clarifiers, sludge digesters, and a chlorine contact chamber.



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

### **AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES**

*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 es una representación ejecutiva fedérale de la solicitud de permiso.*

Taylor Morrison of Texas, Inc. and KL LB Buy 3 LLC (CN603324757 and CN606367217, respectively) propone operar Roberts Cemetery Road Wastewater Treatment Plant (RN112244629, una instalación municipal de tratamiento de aguas residuales domésticas. La instalación estará ubicada en 440 pies al este de la intersección de Brushy Forest Drive y Saxon Way , en Hockley, Condado de Montgomery, Texas 77447. Esta solicitud es para una nueva aplicación para descargar a un flujo promedio diario de 250,000 galones por día, como máximo, de aguas residuales tratadas.

Se espera que las descargas de la instalación contengan demanda de oxígeno biológico carbónico (cBOD) de cinco días, sólidos suspendidos totales, nitrógeno amoniacal y Escherichia. coli. Las aguas residuales domésticas. **estará** tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán una reja de barra manual, tanques de aireación, clarificadores finales, digestores de lodos 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. WQ0016845001**

**APPLICATION.** Taylor Morrison of Texas, Inc. and KL LB BUY 3 LLC, 2929 Briarpark Drive, Suite 400, Houston, Texas 77042, have applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016845001 (EPA I.D. No. TX0148148) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 250,000 gallons per day. The domestic wastewater treatment facility will be located approximately 440 feet east of the intersection of Brushy Forest Drive and Saxon Way, near the city of Hockley, in Montgomery County, Texas 77447. The discharge route will be from the plant site to a detention pond, thence via pipe to Spring Creek. TCEQ received this application on July 9, 2025. The permit application will be available for viewing and copying at Malcolm Purvis Library, 510 Melton Street, Magnolia, in Montgomery 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=-95.78548,30.103403&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.**

**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](http://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](http://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 Taylor Morrison of Texas, Inc. and KL LB BUY 3 LLC at the address stated above or by calling Ms. Shiann Hernandez, P.E., BGE, Inc., at 713-488-8391.

Issuance Date: July 29, 2025

# 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. WQ0016845001

**SOLICITUD.** Taylor Morrison of Texas, Inc. y KL LB BUY 3 LLC, 2929 Briarpark Drive, Suite 400, Houston, Texas 77042, han solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ000016845001 (EPA I.D. No. TX0148148) 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 250,000 galones por día. La planta estará ubicada aproximadamente a 440 pies al este de la intersección de Brushy Forest Drive y Saxon Way cerca de la ciudad de Hockley en el Condado de Montgomery, Texas 77447. La ruta de descarga estará del sitio de la planta a hasta un estanque de detención, de allí via tubería a Spring Creek. La TCEQ recibió esta solicitud el 9 de julio de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la Biblioteca Malcolm Purvis, 510 Melton Street, Magnolia, en el condado de Montgomery, 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=-95.78548,30.103403&level=18>

**AVISO DE IDIOMA ALTERNATIVO.** El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

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

**COMENTARIO PUBLICO / REUNION PUBLICA.** Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ

realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.**

**LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas



correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

**CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087.** Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Taylor Morrison of Texas, Inc. y KL LB BUY 3 LLC a la dirección indicada arriba o llamando a Sra. Shiann Hernandez, P.E., BGE, Inc., al 713-488-8391.

Fecha de emisión: 29 de julio de 2025

## Leah Whallon

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**From:** Shiann Hernandez <SHernandez@bgeinc.com>  
**Sent:** Thursday, July 24, 2025 10:59 AM  
**To:** Leah Whallon  
**Cc:** Jasmine Tran  
**Subject:** RE: Application for Proposed Permit No. WQ0016845001; Taylor Morrison of Texas, Inc. and KL LB BUY 3 LLC; Roberts Cemetery Road WWTP  
**Attachments:** TCEQ NOD Response\_WQ0016845001.pdf; Attachment 5\_Affected Landowners Labels\_rev.docx; Municipal Discharge New Spanish NORI.docx  
  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Leah,  
Please see attached response and required documents.

Thank you,

**Shiann Hernandez, PE**  
**BGE, Inc.**  
713.488.8391

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**From:** Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>  
**Sent:** Friday, July 18, 2025 3:34 PM  
**To:** Shiann Hernandez <SHernandez@bgeinc.com>  
**Cc:** Jasmine Tran <JTran@bgeinc.com>  
**Subject:** Application for Proposed Permit No. WQ0016845001; Taylor Morrison of Texas, Inc. and KL LB BUY 3 LLC; Roberts Cemetery Road WWTP

Good Afternoon,

Please see the attached Notice of Deficiency letter dated July 18, 2025 requesting additional information needed to declare the application administratively complete. Please send the complete response by August 1, 2025.

Please let me know if you have any questions.

Thank you,



**Leah Whallon**  
Texas Commission on Environmental Quality  
Water Quality Division  
512-239-0084  
[leah.whallon@tceq.texas.gov](mailto:leah.whallon@tceq.texas.gov)

How is our customer service? Fill out our online customer satisfaction survey at  
[www.tceq.texas.gov/customersurvey](http://www.tceq.texas.gov/customersurvey)



July 24, 2025

Texas Commission on Environmental Quality (TCEQ)  
12100 Park 35 Circle  
Austin, Texas 78735

Attn: Leah Whallon  
Applications Review and Processing Team (MC-148)  
Water Quality Division  
Texas Commission of Environmental Quality

Re: TPDES New Permit Application  
Roberts Cemetery Road Wastewater Treatment Plant (WQ0016845001)

Dear Ms. Whallon:

We received your memo dated July 18, 2025, with comments for the referenced Roberts Cemetery Road New Permit Application. The following are our proposed resolutions to each comment:

1. **Administrative Report 1.0, Section 8.F** Please provide an updated plain language summary in English and Spanish to include both applicant names and CN numbers. Please also include the now assigned RN number referenced above.  
**Response:** Plain language summary has been updated and included in this response letter.
2. **Administrative Report 1.0, Section 14** The application was signed by Mr. Ed Hadley, whose title is Authorized Signatory. Applications must be signed by a person meeting the signatory authority requirements. For a corporation, this should be an individual of at least the level of vice president. Please provide either written documentation showing that Mr. Hadley has signatory authority or a new signature page signed by an individual meeting the signatory authority requirement.  
**Response:** Please see attached documentation stating that Mr. Hadley is an authorized signatory.
3. **Administrative Report 1.1, Section 1** The affected landowner map does not label the landowners for the full one mile downstream of the outfall. Also, several landowners appear to be missing. For example, 3 properties are labeled as 18 with the same owner, but this is not consistent with the source listed, the county appraisal district. Please provide an updated affected landowner map that includes all current adjacent landowners and all current landowners for the full mile downstream. Please also provide an updated affected landowner list and the updated list formatted for mailing labels (Avery 5160) in a Microsoft Word document.

**Response:** Apologies, I believe we were pulling an older data set. Landowners map, cross referenced list and labels have been updated. The word document of the labels will be provided in the email attachments.

4. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Taylor Morrison of Texas, Inc. and KL LB BUY 3 LLC, 2929 Briarpark Drive, Suite 400, Houston, Texas 77042, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016845001 (EPA I.D. No. TX0148148) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 250,000 gallons per day. The domestic wastewater treatment facility will be located approximately 440 feet east of the intersection of Brushy Forest Drive and Saxon Way, near the city of Hockley, in Montgomery County, Texas 77447. The discharge route will be from the plant site to a detention pond, ~~thence to an unnamed tributary,~~ thence to Spring Creek. TCEQ received this application on July 9, 2025. The permit application will be available for viewing and copying at Malcolm Purvis Library, 510 Melton Street, Magnolia, in Montgomery 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>.

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Further information may also be obtained from Taylor Morrison of Texas, Inc. and KL LB BUY 3 LLC at the address stated above or by calling Ms. Shiann Hernandez, P.E., BGE, Inc., at 713-488-8391.

**Response:** Errors in the notice of receipt have been marked above.

5. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

**Response:** Translated public notice, including the revision noted above, has been provided in the attached enclosures.

Should you have any questions or require additional information, please contact me at [shernandez@bgeinc.com](mailto:shernandez@bgeinc.com). I can be reached by phone at 713-488-8391.

Thank you,



Shiann Hernandez, PE  
Project Manager



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

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### **AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES**

*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 es una representación ejecutiva fedérale de la solicitud de permiso.*

Taylor Morrison of Texas, Inc. and KL LB Buy 3 LLC (CN603324757 and CN606367217, respectively) propone operar Roberts Cemetery Road Wastewater Treatment Plant (RN112244629, una instalación municipal de tratamiento de aguas residuales domésticas. La instalación estará ubicada en 440 pies al este de la intersección de Brushy Forest Drive y Saxon Way , en Hockley, Condado de Montgomery, Texas 77447. Esta solicitud es para una nueva aplicación para descargar a un flujo promedio diario de 250,000 galones por día, como máximo, de aguas residuales tratadas.

Se espera que las descargas de la instalación contengan demanda de oxígeno biológico carbónico (cBOD) de cinco días, sólidos suspendidos totales, nitrógeno amoniacal y Escherichia. coli. Las aguas residuales domésticas. **estará** tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán una reja de barra manual, tanques de aireación, clarificadores finales, digestores de lodos y una cámara de contacto de cloro.





I, Anthony Pasqua, in my capacity as

- (1) the authorized signatory of the following entities, which collectively control **KL LB BOR 1 LLC**, the Member and controlling party of **KL LB BUY 1 LLC**: (a) **KL RES TRS HOLDCO LLC**, (b) **KL FUND II REIT AIV LLC** (in my capacity as the authorized signatory of Kennedy Lewis GP II LLC, its Managing Member); (c) **KL FUND III REIT AIV LLC** (in my capacity as the authorized signatory of Kennedy Lewis GP III LLC, its Managing Member), and (d) **KL DELTA REIT AIV LLC** (in my capacity as the authorized signatory of Kennedy Lewis GP III LLC, its Managing Member);
- (2) the authorized signatory of the following entities, which collectively control **KL LB BOR 2 LLC**, the Member and controlling party of **KL LB BUY 2 LLC**<sup>1</sup>: (a) **KL RES TRS HOLDCO LLC**, (b) **KL FUND III REIT AIV LLC** (in my capacity as the authorized signatory of Kennedy Lewis GP III LLC, its Managing Member), and (c) **KL DELTA REIT AIV LLC** (in my capacity as the authorized signatory of Kennedy Lewis GP III LLC, its Managing Member);
- (3) the authorized signatory of **KL RES TRS HOLDCO LLC**, which controls **KL LB BOR 3 LLC**, the Member and controlling party of **KL LB BUY 3 LLC**; and
- (4) the authorized signatory of the following entities, which collectively control **KL LB BOR 4 LLC**, the Member and controlling party of **KL LB BUY 4 LLC**: (a) **KL RES TRS HOLDCO LLC**; and (b) **KL DELTA EXCELSIOR ACCOUNT SPV LLC** (in my capacity as the authorized signatory of Kennedy Lewis GP III LLC, its Managing Member); and
- (5) the authorized signatory of the following entities, which collectively control **KL LB BOR 5 LLC**, the Member and controlling party of **KL LB BUY 5 LLC**: (a) **KL RES TRS HOLDCO LLC**, (b) **KL FUND III REIT AIV LLC** (in my capacity as the authorized signatory of Kennedy Lewis GP III LLC, its Managing Member), (c) **KL DELTA REIT AIV LLC** (in my capacity as the authorized signatory of Kennedy Lewis GP III LLC, its Managing Member) and (d) **KL DELTA EXCELSIOR REIT AIV LLC** (in my capacity as the authorized signatory of Kennedy Lewis GP III LLC, its Managing Member)

do hereby certify and represent as of the Execution Date (as defined below):

The following individual(s) is/are duly authorized to act as agent for the Entities for the following purposes: signing and executing memorandum of options, specialty warranty deeds, bill of sale and general assignment, option agreements, construction agreements, purchase agreements, notice of

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<sup>1</sup> KL LB BUY 1 LLC, KL LB BUY 2 LLC, KL LB BUY 3 LLC, KL LB BUY 4 LLC and KL LB BUY 5 LLC are hereinafter referred to as the "Entities."



termination of option and quitclaim, and anything else in the normal course as it relates to investments within the Entities and in connection with the Entities' land improvements and development activities, including the public facilities necessary to serve such development, including, but not limited to, (a) the formation, annexation or participation in special financing districts, including but not limited to, assessment districts and community facilities districts, pursuant to the Mello-Roos Community Facilities Act of 1982, as amended, or any other comparable or similar statute or regulation, (b) authorizing the levy of assessments or special taxes against the real property of the Company by any such special districts, (c) participation in land-secured or other municipal bond financing of improvements by any such special districts, including authorizing the issuance of bonds or other debt instruments by any such special districts, secured by a pledge of the proceeds of the special taxes or assessments levied on the real property of the Company.

The Entities have taken all necessary corporate action to authorize the following person(s) identified by name and specimen signature below, to act as authorized officer(s) empowered by it to individually take any of the foregoing actions on behalf of the Entities. Such persons are duly authorized officers of the Entities holding the respective office(s) or title(s) set forth opposite the names below. The signatures set forth below, opposite the respective name(s), are true and genuine signatures.

This certification supersedes all prior authorization, power of attorney or certification; it will remain in effect and fully binding until further notice. The power to represent the Entities as above provided may not be further delegated.

NAME	TITLE	SPECIMEN SIGNATURE
David Valiaveedan	Authorized Signatory	
Brieanne Nikrandt	Authorized Signatory	
Kevin O'Brien	Authorized Signatory	
Anthony Pasqua	Authorized Signatory	
Tricia Tiernan	Authorized Signatory	
Nathan Holt	Authorized Signatory	
Edward "Ed" Hadley	Authorized Signatory	
Stephen "Steve" Cunningham	Authorized Signatory	

*[Remainder of this page intentionally left blank]*



IN WITNESS WHEREOF, I have hereunto affixed my signature, this 5<sup>th</sup> day of March, 2025 (the “Execution Date”).

A handwritten signature in dark ink, appearing to read 'Anthony Pasqua'.

Anthony Pasqua  
Authorized Signatory of KL RES TRS HOLDCO LLC

A handwritten signature in dark ink, appearing to read 'Anthony Pasqua'.

Anthony Pasqua  
Authorized Signatory of Kennedy Lewis GP II LLC, the  
Managing Member of KL FUND II REIT AIV LLC

A handwritten signature in dark ink, appearing to read 'Anthony Pasqua'.

Anthony Pasqua  
Authorized Signatory of Kennedy Lewis GP III LLC, the  
Managing Member of KL FUND III REIT AIV LLC

A handwritten signature in dark ink, appearing to read 'Anthony Pasqua'.

Anthony Pasqua  
Authorized Signatory of Kennedy Lewis GP III LLC, the  
Managing Member of KLRES5 FUND III AIV LLC

A handwritten signature in dark ink, appearing to read 'Anthony Pasqua'.

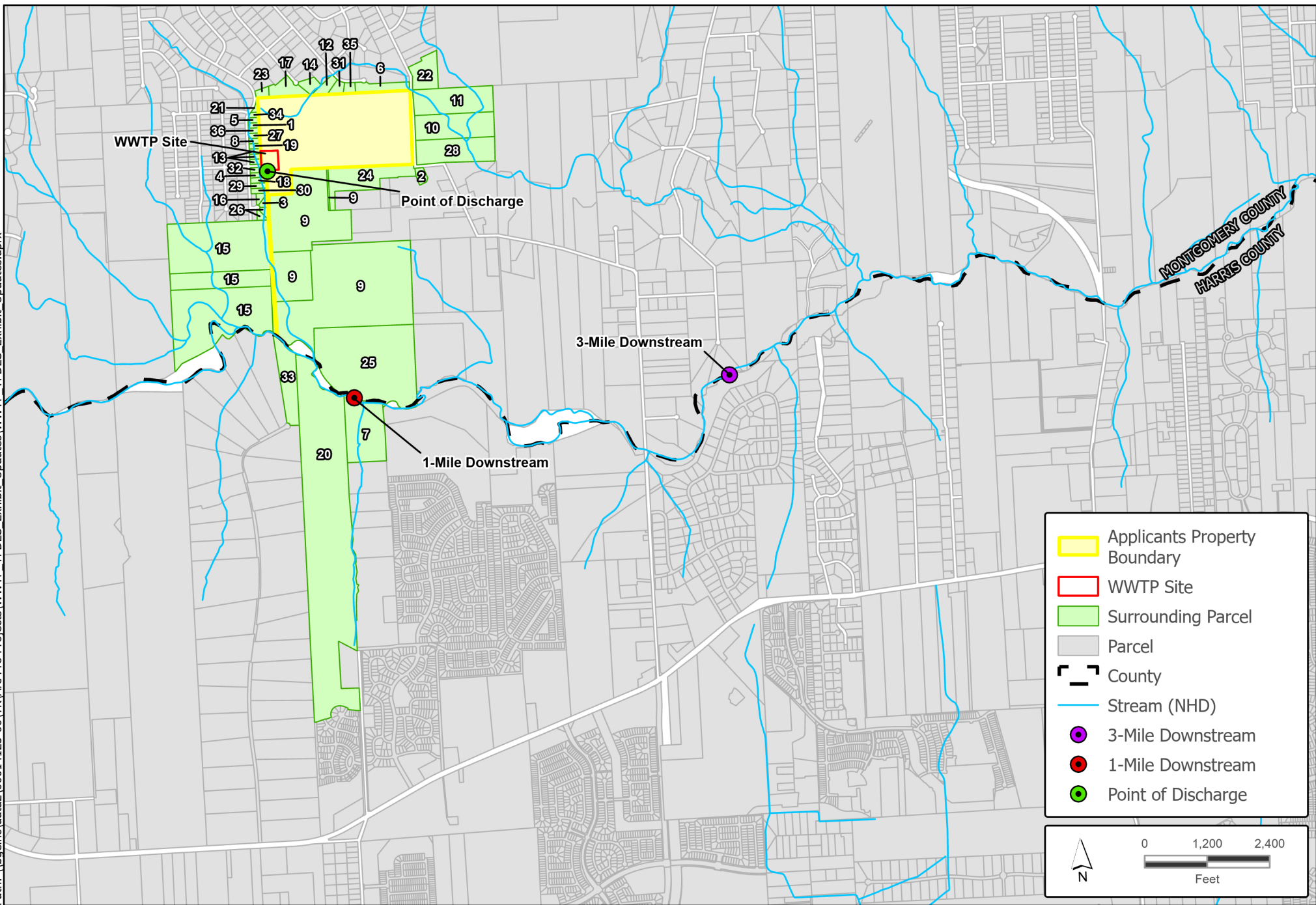
Anthony Pasqua  
Authorized Signatory of Kennedy Lewis GP III LLC, the  
Managing Member of KL DELTA REIT AIV LLC

A handwritten signature in dark ink, appearing to read 'Anthony Pasqua'.

Anthony Pasqua  
Authorized Signatory of Kennedy Lewis GP III LLC, the  
Managing Member of KL DELTA EXCELSIOR REIT AIV  
LLC

A handwritten signature in dark ink, appearing to read 'Anthony Pasqua'.

Anthony Pasqua  
Authorized Signatory of Kennedy Lewis GP III LLC, the  
Managing Member of KL DELTA EXCELSIOR ACCOUNT  
SPV LLC



# Roberts Cemetery Road

TPDES New Permit Application  
Affected Landowners Map  
Corresponds to Domestic Administrative  
Report 1.1, Section 1, Page 12  
**Attachment No.: 5**

**BGE, Inc.**  
Tel: 281-558-8700  
www.bgeinc.com

Project No: 14125-00  
Date: July 2025  
Scale: 1 IN = 2,400 FT

Parcel Number	Owner Name	Mailing Address
1	BRAVO, AMALIA	7410 BROOKLEAF DR, HOUSTON, TX 77041-1850
2	BRUHN, ANDREW & JANA FOLTIN BRUHN MD	22827 ROBERTS CEMETERY RD, HOCKLEY, TX 77447
3	CALDERON, AMY E	23510 SAXON WAY CT, HOCKLEY, TX 77447
4	CUBILLAS, SIRIA	23807 SAXON WAY, HOCKLEY, TX 77447
5	PACHECO, ISABEL M	23607 SAXON WAY, HOCKLEY, TX 77447- 7214
6	DEAN, DONALD R	23207 LAZY HOLLOW LN, HOCKLEY, TX 77447
7	EDMONDSON JUSTINE C	21202 OLD BAUER RD, HOCKLEY, TX 77447-2006
8	ESPINOZA, OSCAR D T & ELIZABETH C REYES	23703 SAXON WAY, HOCKLEY, TX 77447
9	FOLTIN, JOSEPH A & GLORIA A	22509 ROBERTS CEMETERY RD, HOCKLEY, TX 77447-9568
10	FORD, JOHN H	21707 JULIE LN, TOMBALL, TX 77377-5960
11	FORD, MARY ANN	324 TEXAS ST, TOMBALL, TX 77375-2408
12	FRANKLIN, DONALD L & LINDA M	23219 LAZY HOLLOW LN, HOCKLEY, TX 77447
13	GALLEGOS, JUAN	23719 SAXON WAY, HOCKLEY, TX 77447
14	GILES, CHRISTOPHER & JOYCE	23302 GREEN FOREST DR, HOCKLEY, TX 77447
15	HEGAR, LAWRENCE F JR ET AL	PO BOX 81, HOCKLEY, TX 77447-0081
16	HERNANDEZ, CARLOS A & YESICA I RODRIGUEZ	23506 SAXON WAY CT, HOCKLEY, TX 77447-75
17	HUEBNER, ANNE M	23307 GREEN FOREST ST, HOCKLEY, TX 77447
18	JACKSON, DESTINY & JORGE J MIELES	23811 SAXON WAY, HOCKLEY, TX 77447
19	KRANIWASHL, JACOB	23707 SAXON WAY, HOCKLEY, TX 77447
20	LGI HOMES TEXAS LLC	1450 LAKE ROBBINSO DR STE 430, SPRING, TX 77380-3294
21	MONTES, YOLANDA R	23601 SAXON WAY, HOCKLEY, TX 77447- 7214
22	MONTGOMERY COUNTY TEXAS	9472 AIRPORT RD, CONROE, TX 77303- 4308
23	MSP SEPARATE PROPERTY REVOCABLE TRUST	73 N SPIES RIDGE DR, FREDERICKSBURG, TX 78624-2380
24	MURPHY, CECIL ANTHONY	536 FOSTER ST TOMBALL, TX 77375-4827
25	MURRAY, JAMES H JR & JANICE M	20650 OLD BAUER RD HOCKLEY TX 77447- 2018

26	OLSSON, ERIC - ESTATE OF	23507 SAXON WAY CT, HOCKLEY, TX 77447
27	PFIRMAN, RICHARD L	23619 SAXON WAY, HOCKLEY, TX 77447- 7214
28	PYLE, ELINOR A	22818 ROBERTS CEMETERY RD, HOCKLEY, TX 77447
29	RAMOS, DAVID & IRMA	22918 GREEN BARK ST TOMBALL TX 77375-5411
30	RAMOS, IRMA	23818 SAXON WAY, HOCKLEY, TX 77447
31	SHARAR, REBECCA & JOHN R	23215 LAZY HOLLOW LN, HOCKLEY, TX 77447
32	SIMPSON, VIRGIL L & TRACY G	23803 SAXON WAY, HOCKLEY, TX 77447
33	SLY KENNETH JR	1175 HUNTERS CREEK WAY, HOCKLEY, TX 77447-3860
34	VARGAS, BEATRIZ L	23603 SAXON WAY, HOCKLEY, TX 77447- 7214
35	WARD, MICHAEL & JAMIE	23211 LAZY HOLLOW LN, HOCKLEY, TX 77447
36	WHITAKER, TRAVIS D	23615 SAXON WAY, HOCKLEY, TX 77447- 7214



AMALIA BRAVO  
7410 BROOKLEAF DR  
HOUSTON TX 77041-1850

ANDREW AND JANA BRUHN  
22827 ROBERTS CEMETERY RD  
HOCKLEY TX 77447

AMY E CALDERON  
23510 SAXON WAY CT  
HOCKLEY TX 77447

SIRIA CUBILLAS  
23807 SAXON WAY  
HOCKLEY TX 77447

ISABEL M PACHECO  
23607 SAXON WAY  
HOCKLEY TX 77447-7214

DONALD R. DEAN  
23207 LAZY HOLLOW LN  
HOCKLEY TX 77447

JUSTIN C EDMONDSON  
21202 OLD BAUER RD  
HOCKLEY TX 77447-2006

OSCAR ESPINOZA AND ELIZABETH  
REYES  
23703 SAXON WAY  
HOCKLEY TX 77447

JOSEPH AND GLORIA FOLTIN  
22509 ROBERTS CEMETERY RD  
HOCKLEY TX 77447

JOHN H FORD  
21707 JULIE LN TOMBALL TX 77377-  
5960

MARY ANN FORD  
324 TEXAS ST  
TOMBALL TX 77375-2408

DONALD AND LINDA FRANKLIN  
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HOCKLEY TX 77447

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HOCKLEY TX 77447

CHRISTOPHER AND JOYCE GILES  
23302 GREEN FOREST DR  
HOCKLEY TX 77447

LAWRENCE F JR HEGAR ET AL  
PO BOX 81  
HOCKLEY TX 77447-0081

CARLOS AND YESICA RODRIGUEZ  
23506 SAXON WAY CT  
HOCKLEY TX 77447-75

ANNE HUEBNER  
23307 GREEN FOREST ST  
HOCKLEY TX 77447

DESTINY AND JORGE J MIELES  
JACKSON  
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HOCKLEY TX 77447

ELINOR PYLE  
22818 ROBERTS CEMETERY RD  
HOCKLEY TX 77447

DAVID AND IRMA RAMOS  
23815 SAXON WAY  
HOCKLEY TX 77447

IRMA RAMOS  
23819 SAXON WAY  
HOCKLEY TX 77447

REBECCA AND JOHN R SHARAR  
23215 LAZY HOLLOW LN  
HOCKLEY TX 77447

VIRGIL AND TRACY SIMPSON  
23803 SAXON WAY  
HOCKLEY TX 77447

KENNETH SLY  
1175 HUNTERS CREEK WAY  
HOCKLEY TX 77447-3860

BEATRIZ L VARGAS  
23603 SAXON WAY  
HOCKLEY TX 77447-7214

MICHAEL AND JAMIE WARD  
23211 LAZY HOLLOW LN  
HOCKLEY TX 77447

TRAVIS WHITAKER  
23615 SAXON WAY  
HOCKLEY TX 77447

# 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. WQ00

**SOLICITUD.** Taylor Morrison of Texas, Inc. and KL LB BUY 3 LLC, 2929 Briarpark Drive, Suite 400, Houston, Texas 77042 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ000016845001 (EPA I.D. No. TX0148148 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 *250,000* galones por día. La planta estará ubicada *aproximadamente a 440 pies al este de la intersección de Brushy Forest Drive y Saxon Way cerca de la ciudad de Hockley* en el Condado de *Montgomery*, Texas 77447. La ruta de descarga estará del sitio de la planta a *hasta un estanque de detención, de allí a un afluente sin nombre, de allí a Spring Creek*. La TCEQ recibió esta solicitud el *9 de julio de 2025*. La solicitud para el permiso estará disponible para leerla y copiarla en *la Biblioteca Malcolm Purvis, 510 Melton Street, Magnolia, en el condado de Montgomery, 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=-95.78548,30.103403&level=18>

*[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange.]* El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

**AVISO DE IDIOMA ALTERNATIVO.** El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

**AVISO ADICIONAL.** El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de

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

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

**OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.** Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre

los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.**

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

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en [www.tceq.texas.gov/goto/cid](http://www.tceq.texas.gov/goto/cid). Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

**CONTACTOS E INFORMACIÓN A LA AGENCIA.** Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del *Taylor Morrison of Texas, Inc. y KL LB BUY 3 LLC* a la dirección indicada arriba o llamando a *Sra. Shiann Hernandez, P.E., BGE, Inc., al 713-488-8391.*

Fecha de emisión: *[Date notice issued]*



July 8, 2025

Executive Director  
Applications Review and Processing Team (MC148)  
Texas Commission on Environmental Quality  
12100 Park 35 Circle  
Austin, Texas 78753

Re: TPDES New Permit Application  
Taylor Morrison of Texas  
Robert's Cemetery Road Wastewater Treatment Plant

To Whom It May Concern,

On behalf of Taylor Morrison of Texas, BGE, Inc. is submitting one (1) original and one (1) copy of a New Permit application for the referenced project. This application is enclosed for your review and approval.

Also, enclosed is a copy of the application fee payment in the amount of \$1,250.00, which is being sent under separate cover to the Revenues Section.

Should you have any questions or require additional information, please contact me at [shernandez@bgeinc.com](mailto:shernandez@bgeinc.com). I can be reached by phone at (713) 488-8391.

Thank you,

A handwritten signature in black ink, appearing to read "Shiann Hernandez", with a stylized flourish at the end.

Shiann Hernandez, P.E.  
Project Manager

Enclosures



## **TPDES New Permit Application**

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**Taylor Morrison of Texas  
Robert's Cemetery Road  
Wastewater Treatment Plant**

**July 2025**

## **TPDES New Permit Application**

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**Taylor Morrison of Texas**

**Robert's Cemetery Road**

**Wastewater Treatment Plant**



A handwritten signature in cursive script, appearing to read "Shiann Hernandez", written over a horizontal line.

**Shiann Hernandez P.E.**

**Project Manager**

**TBPE Registration No. F-1046**

**BGE Job No. 14125-00**



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Taylor Morrison of Texas, Inc.

PERMIT NUMBER (If new, leave blank): WQ00 [Click to enter text.](#)

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

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

### For TCEQ Use Only

Segment Number \_\_\_\_\_ County \_\_\_\_\_  
Expiration Date \_\_\_\_\_ Region \_\_\_\_\_  
Permit Number \_\_\_\_\_



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION  
ADMINISTRATIVE REPORT 1.0**

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

**Section 1. Application Fees (Instructions Page 26)**

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

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

Minor Amendment (for any flow) \$150.00 ☐

**Payment Information:**

Mailed      Check/Money Order Number: 118754  
Check/Money Order Amount: \$1,250.00  
Name Printed on Check: BGE, Inc.

EPAY      Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed?      Yes ☐

**Section 2. Type of Application (Instructions Page 26)**

a. Check the box next to the appropriate authorization type.

- ☐ Publicly-Owned Domestic Wastewater
- ☒ Privately-Owned Domestic Wastewater
- ☐ Conventional Wastewater Treatment

b. Check the box next to the appropriate facility status.

- ☐ Active      ☒ Inactive

c. Check the box next to the appropriate permit type.

- ☒ TPDES Permit  
☐ TLAP  
☐ TPDES Permit with TLAP component  
☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- ☒ New  
☐ Major Amendment with Renewal  
☐ Major Amendment without Renewal  
☐ Renewal without changes  
☐ Minor Amendment with Renewal  
☐ Minor Amendment without Renewal  
☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 [Click to enter text.](#)

EPA I.D. (TPDES only): TX [Click to enter text.](#)

Expiration Date: [Click to enter text.](#)

### Section 3. Facility Owner (Applicant) and Co-Applcant Information (Instructions Page 26)

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

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

Taylor Morrison of Texas, Inc

*(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: 603324757

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: [Click to enter text.](#)

Last Name, First Name: Moyer, Michael

Title: Vice President

Credential: [Click to enter text.](#)

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?

KL LB BUY 3 LLC

*(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: 606367217

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: Click to enter text. Last Name, First Name: Hadley, Edward

Title: Authorized Signatory Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Land is owned by KL LB BUY 3 LLC which requires a co-permittee with the facility owner.

### 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 1

## Section 4. Application Contact Information (Instructions Page 27)

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: Ms. Last Name, First Name: Hernandez, Shiann  
Title: Project Manager Credential: P.E.  
Organization Name: BGE, Inc.  
Mailing Address: 10777 Westheimer Road, Suite 400 City, State, Zip Code: Houston, TX 77042  
Phone No.: 713-488-8391 E-mail Address: shernandez@bgeinc.com  
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Ms. Last Name, First Name: Tran, Jasmine  
Title: E.I.T. Credential: Click to enter text.  
Organization Name: BGE, Inc.  
Mailing Address: 10777 Westheimer Road, Suite 400 City, State, Zip Code: Houston, TX 77042  
Phone No.: 713-488-8258 E-mail Address: jtran@bgeinc.com  
Check one or both: ☒ Administrative Contact ☒ Technical Contact

## Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

- A. Prefix: Ms. Last Name, First Name: Hernandez, Shiann  
Title: Project Manager Credential: P.E.  
Organization Name: BGE, Inc.  
Mailing Address: 10777 Westheimer Road, Suite 400 City, State, Zip Code: Houston, TX 77042

Phone No.: 713-488-8391

E-mail Address: shernandez@bgeinc.com

B. Prefix: Ms.

Last Name, First Name: Tran, Jasmine

Title: E.I.T.

Credential: Click to enter text.

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Road, Suite 400 City, State, Zip Code: Houston, TX 77042

Phone No.: 713-488-8258

E-mail Address: jtran@bgeinc.com

## Section 6. Billing Contact Information (Instructions Page 27)

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: Click to enter text.

Last Name, First Name: Moyer, Michael

Title: Vice President

Credential: Click to enter text.

Organization Name: Taylor Morrison of Texas, Inc.

Mailing Address: 2929 Briarpark Drive, Ste. 400 City, State, Zip Code: Houston, TX 77042

Phone No.: 713-366-0823

E-mail Address: MMoyer@taylormorrison.com

## Section 7. DMR/MER Contact Information (Instructions Page 27)

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

Prefix: Mr.

Last Name, First Name: Fentress, Darrin

Title: Senior Project Manager

Credential: P.E.

Organization Name: BGE, Inc.

Mailing Address: 1450 Lake Robbins Dr. Ste. 310 City, State, Zip Code: The Woodlands, TX 77380

Phone No.: 832-592-2793

E-mail Address: dfentress@bgeinc.com

## Section 8. Public Notice Information (Instructions Page 27)

### A. Individual Publishing the Notices

Prefix: Ms.

Last Name, First Name: Hernandez, Shiann

Title: Project Manager

Credential: P.E.

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Road, Suite 400 City, State, Zip Code: Houston, TX 77042

Phone No.: 713-488-8391

E-mail Address: shernandez@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 permit to be listed in the Notices**

Prefix: Ms.

Last Name, First Name: Hernandez, Shiann

Title: Project Manager

Credential: P.E.

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Road, Suite 400 City, State, Zip Code: Houston, TX 77042

Phone No.: 713-488-8391

E-mail Address: shernandez@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: Malcolm Purvis Library

Location within the building: Front Desk

Physical Address of Building: 510 Melton Street

City: Magnolia

County: Montgomery

Contact (Last Name, First Name): Taylor, Elaine

Phone No.: 936-442-7704 Ext.: Click 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. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

Attachment: 2

#### G. 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: 3

### Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

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

Roberts Cemetery Road Wastewater Treatment Plant

C. Owner of treatment facility: Taylor Morrison of Texas, Inc.

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

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

Prefix: Click to enter text. Last Name, First Name: Hadley, Edward

Title: Authorized Signatory Credential: Click to enter text.

Organization Name: KL LP BUY 3 LLC

Mailing Address: 6900 Camelback Rd, Suite 800 City, State, Zip Code: Scottsdale, AZ 85251

Phone No.: 480-531-1822 E-mail Address: ed.hadley@klservices.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 to enter text.

E. Owner of effluent disposal site:

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click 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:** [Click to enter text.](#)

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

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click 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:** [Click to enter text.](#)

## Section 10. TPDES Discharge Information (Instructions Page 31)

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:

Facility is located approximately 440 feet east of the intersection of Brushy Forest Drive and Saxon Way

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:

Facility will discharge into a proposed detention pond, thence into a pipe out to Spring Creek, Segment 1008.

City nearest the outfall(s): Hockley

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

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:** [Click to enter text.](#)

- 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: [Click to enter text.](#)

## Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes      ☐ No

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

[Click to enter text.](#)

- B. City nearest the disposal site: [Click to enter text.](#)

- C. County in which the disposal site is located: [Click to enter text.](#)

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

[Click to enter text.](#)

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: [Click to enter text.](#)

## Section 12. Miscellaneous Information (Instructions Page 32)

- 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 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 to enter text.](#)

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click 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 to enter text.](#)

Amount past due: [Click to enter text.](#)

## Section 13. Attachments (Instructions Page 33)

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: Attachment 1 – Core Data Form

## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: Click to enter text.

Applicant: Taylor Morrison of Texas, Inc

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): Michael Moyer

Signatory title: Vice President

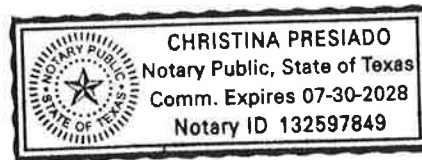
Signature: Michael Moyer Date: 6-16-25  
(Use blue ink)

Subscribed and Sworn to before me by the said Michael Moyer  
on this 16th day of June, 2025.  
My commission expires on the 30th day of July, 2028.

Christina Presiado  
Notary Public

[SEAL]

Harris  
County, Texas



## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: Click to enter text.

Applicant: KL LB BUY 3 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): Ed Hadley

Signatory title: Authorized Signatory

Signature: \_\_\_\_\_

(Use blue ink)

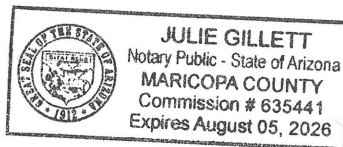
Date: 6/13/2025

Subscribed and Sworn to before me by the said Ed Hadley, Authorized Signatory

on this 13th day of June, 2025.

My commission expires on the 5th day of August, 2026.

Julie Gillett  
Notary Public



[SEAL]

Maricopa  
County, Arizona

# DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

## Section 1. Affected Landowner Information (Instructions Page 36)

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: 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 to enter text.

## Section 2. Original Photographs (Instructions Page 38)

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 38)

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



# **DOMESTIC WASTEWATER PERMIT APPLICATION**

## **SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)**

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

**Attachment:** 8

# 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:** [Click to enter text.](#)

1. Check or Money Order Number: 118754
2. Check or Money Order Amount: \$1,250.00
3. Date of Check or Money Order: June 24, 2025
4. Name on Check or Money Order: BGE, Inc.
5. APPLICATION INFORMATION

Name of Project or Site: Roberts Cemetery Road Wastewater Treatment Plant

Physical Address of Project or Site: Located approximately 440 feet east of the intersection of Brushy Forest Drive and Saxon Way

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**

# DOMESTIC WASTEWATER PERMIT APPLICATION 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 application 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 ☒ 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)*

Plain Language Summary ☒ Yes



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

### Section 1. Permitted or Proposed Flows (Instructions Page 42)

#### A. Existing/Interim I Phase

Design Flow (MGD): 0.125

2-Hr Peak Flow (MGD): 0.50

Estimated construction start date: August 2025

Estimated waste disposal start date: December 2026

#### B. Interim II Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

#### C. Final Phase

Design Flow (MGD): 0.250

2-Hr Peak Flow (MGD): 1.00

Estimated construction start date: May 2029

Estimated waste disposal start date: December 2030

#### D. Current Operating Phase

Provide the startup date of the facility: N/A

### Section 2. Treatment Process (Instructions Page 42)

#### A. Current Operating Phase

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, a description of *each phase* must be provided.**

Treatment will be an activated sludge package plant that operates in a single stage nitrification mode. Facility will start at an onsite lift station then go to the headworks, where it will then flow to the aeration basins, thence to the clarifier and finally to the chlorine contact basins. Effluent will be discharged into an unnamed detention pond. Waste activated sludge from the clarifier is pumped to the digesters. Sludge will be hauled to a registered land application site.

## 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)
Aeration Basin	2	924 sq. ft x 10.36'
Clarifier	2	531 sq. ft x 10.25'
Chlorine Contact Basin	2	123 sq. ft x 9.30'
Digester Basin	2	548 sq. ft x 10.5'

## C. Process Flow Diagram

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

**Attachment:** 9

## Section 3. Site Information and Drawing (Instructions Page 43)

Provide the TPDES discharge outfall latitude and longitude. Enter N/A if not applicable.

- Latitude: 30.103403
- Longitude: -95.78548

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: Click to enter text.
- Longitude: Click to enter text.

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:** 10

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

The facility will serve Roberts Cemetery Road development.

Collection System Information for wastewater TPDES permits only: Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. Please see the instructions for a detailed explanation and examples.

#### Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
Roberts Cemetery Road Collection System	Taylor Morrison of Texas, Inc.	Privately Owned	2,500
		Choose an item.	
		Choose an item.	
		Choose an item.	

### Section 4. Unbuilt Phases (Instructions Page 44)

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 to enter text.

### Section 5. Closure Plans (Instructions Page 44)

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 to enter text.

## Section 6. Permit Specific Requirements (Instructions Page 44)

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 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 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.

Attachment 7 – Buffer Zone Map

### 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 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 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 512-239-2335. 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 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 512-239-2335.

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

Click 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 to enter text. or TXRNE Click 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 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 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 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 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, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. [Attachment 13](#)

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

##### 1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the sludge, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click 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 the date the plant started 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<sub>5</sub> concentration of the septic waste, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click 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 or will the facility 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 to enter text.

## Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 49)

Is the facility in operation?

☐ Yes ☒ No

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

If **yes**, provide effluent analysis data for the listed pollutants. **Wastewater treatment facilities** complete Table 1.0(2). **Water treatment facilities** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

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

**Table1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities**

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD <sub>5</sub> , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, $\mu$ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO <sub>3</sub> )*, mg/l					

\*TPDES permits only

†TLAP permits only

**Table1.0(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					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO <sub>3</sub> ), mg/l					

## Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: TBD

Facility Operator's License Classification and Level: Click to enter text.

Facility Operator's License Number: Click to enter text.

## Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 50)

### A. WWTP's Sewage Sludge or Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☐ Design flow  $\geq$  1 MGD
- ☐ Serves  $\geq$  10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☒ Biosolids generator
- ☐ Biosolids end user – land application (onsite)
- ☐ Biosolids end user – surface disposal (onsite)
- ☐ Biosolids end user – incinerator (onsite)

### B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage ( $< 2$  years)
- ☐ Long Term Storage ( $\geq 2$  years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: [Click to enter text.](#)

### C. Sewage Sludge or Biosolids Management

Provide information on the *intended* sewage sludge or biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the

permit will authorize all sewage sludge or biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

#### Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Bulk	N/A	Class B: PSRP Aerobic Digestion	Option 1: Volatile solids reduced by 38%
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If “Other” is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): [Click to enter text.](#)

#### D. Disposal site

Disposal site name: TBD

TCEQ permit or registration number: [Click to enter text.](#)

County where disposal site is located: [Click to enter text.](#)

#### E. Transportation method

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

Name of the hauler: [Click to enter text.](#)

Hauler registration number: [Click to enter text.](#)

Sludge is transported as a:

Liquid ☐ semi-liquid ☐ semi-solid ☒ solid ☐

## Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 52)

#### A. Beneficial use authorization

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

☐ Yes ☒ No

If yes, are you requesting to continue this authorization to land apply biosolids 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	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Marketing and Distribution of Biosolids	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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 53)

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 to enter text.](#)
- USDA Natural Resources Conservation Service Soil Map:  
**Attachment:** [Click to enter text.](#)
- Federal Emergency Management Map:  
**Attachment:** [Click to enter text.](#)
- Site map:  
**Attachment:** [Click 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 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 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 to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

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

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

Arsenic: [Click to enter text.](#)

Cadmium: [Click to enter text.](#)

Chromium: [Click to enter text.](#)

Copper: [Click to enter text.](#)

Lead: [Click to enter text.](#)

Mercury: [Click to enter text.](#)

Molybdenum: [Click to enter text.](#)

Nickel: [Click to enter text.](#)

Selenium: [Click to enter text.](#)

Zinc: [Click to enter text.](#)

Total PCBs: [Click to enter text.](#)

Provide the following information:

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

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

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

## C. Liner information

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

☐ Yes ☐ No

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

[Click to enter text.](#)

#### D. Site development plan

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

[Click to enter text.](#)

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)  
**Attachment:** [Click to enter text.](#)
- Copy of the closure plan  
**Attachment:** [Click to enter text.](#)
- Copy of deed recordation for the site  
**Attachment:** [Click to enter text.](#)
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons  
**Attachment:** [Click to enter text.](#)
- Description of the method of controlling infiltration of groundwater and surface water from entering the site  
**Attachment:** [Click to enter text.](#)
- Procedures to prevent the occurrence of nuisance conditions  
**Attachment:** [Click 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 to enter text.](#)

## Section 12. Authorizations/Compliance/Enforcement (Instructions Page 54)

### 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 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 to enter text.

## Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

### 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 to enter text.](#)

# DOMESTIC WASTEWATER PERMIT APPLICATION

## TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

### Section 1. Justification for Permit (Instructions Page 56)

#### 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 phases of the wastewater treatment plant have been designed around the projected growth of the development. Phase 1 will serve approximately 430 equivalent single-family connections (ESFC) based on 300 gallons per day per connection. The Final Phase will serve approximately 1,000 ESFC based on 300 gallons per day per connection.

#### B. Regionalization of facilities

For additional guidance, please review [TCEQ's Regionalization Policy for Wastewater Treatment](#)<sup>1</sup>.

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 to enter text.](#)

If yes, attach correspondence from the city.

Attachment: [Click 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 to enter text.](#)

##### 2. *Utility CCN areas*

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

☐ Yes ☐ No

<sup>1</sup> <https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater>

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 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 and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

**Attachment:** [Attachment 11 – Nearby WWTP Facilities](#)

If **yes**, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

**Attachment:** [Attachment 12 – Correspondence Letters to Nearby WWTP](#)

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

**Attachment:** [Click to enter text.](#)

## Section 2. Proposed Organic Loading (Instructions Page 58)

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 to enter text.](#)

Average Influent Organic Strength or BOD<sub>5</sub> Concentration in mg/l: [Click to enter text.](#)

Average Influent Loading (lbs/day = total average flow X average BOD<sub>5</sub> conc. X 8.34): [Click to enter text.](#)

Provide the source of the average organic strength or BOD<sub>5</sub> concentration.

[Click 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 <sub>5</sub> Concentration (mg/l)
Municipality	0.125 / 0.250	300 / 300
Subdivision		
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, 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	0.125 / 0.250	
AVERAGE BOD <sub>5</sub> from all sources		300 / 300

## Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 58)

### A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 6.0

Other: Click to enter text.

### B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: [Click to enter text.](#)

Total Suspended Solids, mg/l: [Click to enter text.](#)

Ammonia Nitrogen, mg/l: [Click to enter text.](#)

Total Phosphorus, mg/l: [Click to enter text.](#)

Dissolved Oxygen, mg/l: [Click to enter text.](#)

Other: [Click to enter text.](#)

### C. Final Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 5

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 6.0

Other: [Click to enter text.](#)

### D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 2 mg/l after 20 minutes detention time at peak flow

Dechlorination process: N/A

☐ Ultraviolet Light: [Click to enter text.](#) seconds contact time at peak flow

☐ Other: [Click to enter text.](#)

## Section 4. Design Calculations (Instructions Page 58)

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

Attachment: 13

## Section 5. Facility Site (Instructions Page 59)

### 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.

[Click to enter text.](#)

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



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

☐ Yes ☒ No

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

☐ Yes ☐ No

If **yes**, provide the permit number: [Click to enter text.](#)

If **no**, provide the approximate date you anticipate submitting your application to the Corps: [Click to enter text.](#)

#### B. Wind rose

Attach a wind rose: 14

### Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 59)

#### 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)**: [Click 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 the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: [Click to enter text.](#)

### Section 7. Sewage Sludge Solids Management Plan (Instructions Page 60)

Attach a solids management plan to the application.

**Attachment:** 13

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 WASTEWATER PERMIT APPLICATION

## WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

### Section 1. Domestic Drinking Water Supply (Instructions Page 63)

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 **no**, proceed to Section 2. If **yes**, provide the following:

Owner of the drinking water supply: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

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

Attachment: [Click to enter text.](#)

### Section 2. Discharge into Tidally Affected Waters (Instructions Page 63)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

If **no**, proceed to Section 3. 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 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 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 to enter text.](#)

### Section 3. Classified Segments (Instructions Page 63)

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 63)

Name of the immediate receiving waters: Click to enter text.

#### A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☐ Stream
- ☐ Freshwater Swamp or Marsh
- ☒ Lake or Pond

Surface area, in acres: 2,865 AC

Average depth of the entire water body, in feet: 26 ft

Average depth of water body within a 500-foot radius of discharge point, in feet: 26ft

- ☐ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☒ Other, specify: Unnamed detention basin, thence unnamed stream discharging to Spring Creek, classified Segment No. 1008

#### 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 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.

Unnamed detention basin, unnamed stream discharging to Spring Creek, classified Segment No. 1008

### 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.

The WWTP effluent will flow into a proposed unnamed detention basin, thence to an unnamed stream discharging to Spring Creek, classified Segment No. 1008

### E. Normal dry weather characteristics

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

Water is flowing perennially for Segment No. 1008

Date and time of observation: 1/4/2025

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

## Section 5. General Characteristics of the Waterbody (Instructions Page 65)

### A. Upstream influences

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

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

## B. Waterbody uses

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

- |  |  |
|--|--|
| <input type="checkbox"/> Livestock watering    | <input type="checkbox"/> Contact recreation                                      |
| <input type="checkbox"/> Irrigation withdrawal | <input checked="" type="checkbox"/> Non-contact recreation                       |
| <input type="checkbox"/> Fishing               | <input type="checkbox"/> Navigation  |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply                                 |
| <input type="checkbox"/> Park activities       | <input type="checkbox"/> Other(s), specify: <a href="#">Click to enter text.</a> |

## 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

# DOMESTIC WASTEWATER PERMIT APPLICATION

## WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

### Section 1. All POTWs (Instructions Page 87)

#### A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs – non-categorical, and Other IUs.

**If there are no users, enter 0 (zero).**

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

#### B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

☐ Yes ☒ No

**If yes**, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

Click to enter text.

### C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

☐ Yes ☒ No

If **yes**, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

Click to enter text.

### D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2.c. and 2.d. only, and skip Section 3.

If **no to either question above**, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

## Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 87)

### A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

☐ Yes ☒ No

If **yes**, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.



**B. Non-substantial modifications**

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

☐ Yes ☒ No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

**C. Effluent parameters above the MAL**

In Table 6.0(1), list all parameters measured above the MAL in the POTW’s effluent monitoring during the last three years. Submit an attachment if necessary.

**Table 6.0(1) – Parameters Above the MAL**

Pollutant	Concentration	MAL	Units	Date

**D. Industrial user interruptions**

Has any SIU, CIU, or other IU caused or contributed to any problems (excluding interferences or pass throughs) at your POTW in the past three years?

☐ Yes ☒ No

If **yes**, identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.

Click to enter text.

### Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 88)

#### A. General information

Company Name: [Click to enter text.](#)

SIC Code: [Click to enter text.](#)

Contact name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Telephone number: [Click to enter text.](#)

Email address: [Click to enter text.](#)

#### B. Process information

Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (i.e., process and non-process wastewater).

[Click to enter text.](#)

#### C. Product and service information

Provide a description of the principal product(s) or services performed.

[Click to enter text.](#)

#### D. Flow rate information

See the Instructions for definitions of “process” and “non-process wastewater.”

Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

## E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

☐ Yes ☐ No

Is the SIU or CIU subject to categorical pretreatment standards found in *40 CFR Parts 405-471*?

☐ Yes ☐ No

**If subject to categorical pretreatment standards**, indicate the applicable category and subcategory for each categorical process.

Category: Subcategories: [Click to enter text.](#)

[Click or tap here to enter text.](#) [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

## F. Industrial user interruptions

Has the SIU or CIU caused or contributed to any problems (e.g., interferences, pass through, odors, corrosion, blockages) at your POTW in the past three years?

☐ Yes ☐ No

**If yes**, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

[Click to enter text.](#)

**Roberts Cemetery Road**  
**TPDES New Permit Application**  
**List of Attachments**

Attachment 1 – Core Data Form

Corresponds to Domestic Administrative Report 1.0, Section 3.c, Page 4

Attachment 2 – Plain Language Summary

Corresponds to Domestic Administrative Report 1.0, Section 8.f, Page 7

Attachment 3 – Public Involvement Plan

Corresponds to Domestic Administrative Report 1.0, Section 8.g, Page 7

Attachment 4 – USGS Map

Corresponds to Domestic Administrative Report 1.0, Section 13, Page 10 and

Attachment 8 – Supplemental Permit Information Form

Attachment 5 – Affected Downstream Landowners Map and Information

Corresponds to Domestic Administrative Report 1.1, Section 1, Page 12

Attachment 6 – Original Site Photographs

Corresponds to Domestic Administrative Report 1.1, Section 2, Page 13

Attachment 7 – Buffer Zone Map

Corresponds to Domestic Administrative Report 1.1, Section 3, Page 13

Attachment 8 – Supplemental Permit Information Form

Corresponds to Domestic Administrative Report 1.1, Page 14

Attachment 9 – Process Flow Diagrams

Corresponds to Domestic Technical Report 1.0, Section 2.c, Page 2

Attachment 10 – Site Drawing with Service Area

Corresponds to Domestic Technical Report 1.0, Section 3, Page 2

Attachment 11 – Regionalization Map

Corresponds to Domestic Technical Report 1.1, Section 1.b.3, Page 20

Attachment 12 – Correspondence Letters to Nearby WWTP

Corresponds to Domestic Technical Report 1.1, Section 1.b.3, Page 20

Attachment 13 – Design Calculations and Sludge Solids Management Plan

Corresponds to Domestic Technical Report 1.1, Section 4, Page 22 and

Domestic Technical Report 1.1, Section 7, Page 23

Attachment 14 – Wind Rose

Corresponds to Domestic Technical Report 1.1, Section 5.b, Page 23

**Attachment 1 – Core Data Form**

Corresponds to Domestic Administrative Report 1.0, Section 3.c, Page 4



# 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

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 603324757		RN

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)							
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)									
<i>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).</i>									
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>					
Taylor Morrison of Texas, Inc									
<b>7. TX SOS/CPA Filing Number</b>		<b>8. TX State Tax ID</b> (11 digits)		<b>9. Federal Tax ID</b>	<b>10. DUNS Number</b> (if applicable)				
74-2012460		17420124608		(9 digits)					
<b>11. Type of Customer:</b>		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited				
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:					
<b>12. Number of Employees</b>				<b>13. Independently Owned and Operated?</b>					
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input type="checkbox"/> Yes <input type="checkbox"/> No					
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following									
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant									
<b>15. Mailing Address:</b>		Michael Moyer							
		2929 Briarpark Drive, Suite 400							
		City	Houston	State	TX	ZIP	77042	ZIP + 4	
<b>16. Country Mailing Information</b> (if outside USA)						<b>17. E-Mail Address</b> (if applicable)			
						mmoyer@taylormorrison.com			

<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b>
( 713 ) 366-0823		(   ) -

## SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>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).</i>								
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)								
Roberts Cemetery Road Wastewater Treatment Plant								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)								
	City		State		ZIP		ZIP + 4	
<b>24. County</b>	Montgomery County							

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

<b>25. Description to Physical Location:</b>	Facility is located approximately 440 feet east of the intersection of Brushy Forest Drive and Saxon Way							
<b>26. Nearest City</b>					<b>State</b>	<b>Nearest ZIP Code</b>		
Hockley					TX	77447		
<i>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).</i>								
<b>27. Latitude (N) In Decimal:</b>		30.103403			<b>28. Longitude (W) In Decimal:</b>		-95.78548	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30	6	12.2508	-95	47	7.728			
<b>29. Primary SIC Code</b> (4 digits)	<b>30. Secondary SIC Code</b> (4 digits)		<b>31. Primary NAICS Code</b> (5 or 6 digits)		<b>32. Secondary NAICS Code</b> (5 or 6 digits)			
4952			22132					
<b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)								
Treat municipal wastewater								
<b>34. Mailing Address:</b>	Micheal Moyer							
	2929 Briarpark Drive, Suite 400							
	City	Houston	State	TX	ZIP	77042	ZIP + 4	
<b>35. E-Mail Address:</b>	mmoyer@taylormorrison.com							
<b>36. Telephone Number</b>	<b>37. Extension or Code</b>				<b>38. Fax Number (if applicable)</b>			
( 713 ) 366-823					(   ) -			

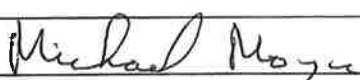
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review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

### **SECTION IV: Preparer Information**

<b>40. Name:</b>	Shlann Hernandez		<b>41. Title:</b>	Project Manager
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>	
( 713 ) 488-8391		( ) -	shernandez@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.

<b>Company:</b>	Taylor Morrison of Texas, Inc.	<b>Job Title:</b>	Vice President
<b>Name (In Print):</b>	Michael Moyer	<b>Phone:</b>	( 713 ) 366- 823
<b>Signature:</b>		<b>Date:</b>	6-23-25





# 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

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

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership			
<input type="checkbox"/> 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).			
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
KL LB BUY 3 LLC			
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits) 99-2726969	<b>10. DUNS Number</b> (if applicable)
<b>11. Type of Customer:</b>		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input checked="" type="checkbox"/> Other: limited liability company	
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input checked="" type="checkbox"/> Other: Landowner			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
<b>15. Mailing Address:</b>	6900 E Camelback Rd, Suite 800		
City	State	ZIP	ZIP + 4
Scottsdale	AZ	85383	
<b>16. Country Mailing Information</b> (if outside USA)		<b>17. E-Mail Address</b> (if applicable)	
		dustin.potter@klservicers.com	
<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number</b> (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.)

Roberts Cemetery Road Wastewater Treatment Plant

**23. Street Address of the Regulated Entity:**(No PO Boxes)

City

State

ZIP

ZIP + 4

**24. County**

Montgomery County

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

**25. Description to Physical Location:**

Facility is located approximately 440 feet east of the intersection of Brushy Forest Drive and Saxon Way

**26. Nearest City**

State

Nearest ZIP Code

Hockley

TX

77447

*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:**

30.103403

**28. Longitude (W) In Decimal:**

-95.78548

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

30

6

12.2508

-95

47

7.728

**29. Primary SIC Code****30. Secondary SIC Code****31. Primary NAICS Code****32. Secondary NAICS Code**

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4952

22132

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

Treat municipal wastewater

**34. Mailing Address:**

Micheal Moyer

2929 Briarpark Drive, Suite 400

City

Houston

State

TX

ZIP

77042

ZIP + 4

**35. E-Mail Address:**

mmoyer@taylormorrison.com

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

( 713 ) 366-823

( ) -

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



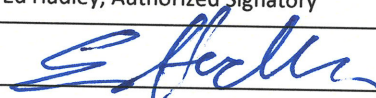
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review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

## **SECTION IV: Preparer Information**

<b>40. Name:</b>	Shiann Hernandez		<b>41. Title:</b>	Project Manager
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>	
( 713 ) 488-8391		( ) -	shernandez@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.

<b>Company:</b>	KL LB BUY 3 LLC	<b>Job Title:</b>	
<b>Name (In Print):</b>	Ed Hadley, Authorized Signatory	<b>Phone:</b>	(480 )447-9591
<b>Signature:</b>		<b>Date:</b>	6/13/2025

**Attachment 2 – Plain Language Summary**

Corresponds to Domestic Administrative Report 1.0, Section 8.f, Page 7



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

## Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 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/STORMWATER

*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 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.*

Taylor Morrison of Texas, Inc (CN603324757) proposes to operate Roberts Cemetery Road Wastewater Treatment Plant (RN#####), a municipal domestic wastewater treatment facility. The facility will be located at approximately 440 feet east of the intersection of Brushy Forest Drive and Saxon Way, in Hockley, Montgomery County, Texas 77447. This application is for a new application to discharge at an average daily flow of 250,000 gallons per day, at ultimate, of treated wastewater.

Discharges from the facility are expected to contain five day carbonaceous biological oxygen demand (cBOD), total suspended solids, ammonia nitrogen, and Escherichia coli. Domestic wastewater will be treated by an activated sludge process plant and treatment units will include a manual bar screen, aeration basins, final clarifiers, sludge digesters, and a chlorine contact chamber.

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

### AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

*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 es una representación ejecutiva fedérale de la solicitud de permiso.*

Taylor Morrison of Texas, Inc. (CN603324757) propone operar Roberts Cemetery Road Wastewater Treatment Plant (RN#####), una instalación municipal de tratamiento de aguas residuales domésticas. La instalación estará ubicada en 440 pies al este de la intersección de Brushy Forest Drive y Saxon Way , en Hockley, Condado de Montgomery, Texas 77447. Esta solicitud es para una nueva aplicación para descargar a un flujo promedio diario de 250,000 galones por día, como máximo, de aguas residuales tratadas.

Se espera que las descargas de la instalación contengan demanda de oxígeno biológico carbónico (cBOD) de cinco días, sólidos suspendidos totales, nitrógeno amoniacal y Escherichia. coli. Las aguas residuales domésticas. **estará** tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán una reja de barra manual, tanques de aireación, clarificadores finales, digestores de lodos y una cámara de contacto de cloro.

**Attachment 3 – Public Involvement Plan**

Corresponds to Domestic Administrative Report 1.0, Section 8.g, Page 7



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.

## 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.**

(City)

(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
- (b) Per capita income for population near the specified location
- (c) Percent of minority population and percent of population by race within the specified location
- (d) Percent of Linguistically Isolated Households by language within the specified location
- (e) Languages commonly spoken in area by percentage
- (f) Community and/or Stakeholder Groups
- (g) Historic public interest or involvement

## 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)

## 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)

**Attachment 4 – USGS Map**

Corresponds to Domestic Administrative Report 1.0, Section 13, Page 10 and  
Attachment 8 – Supplemental Permit Information Form

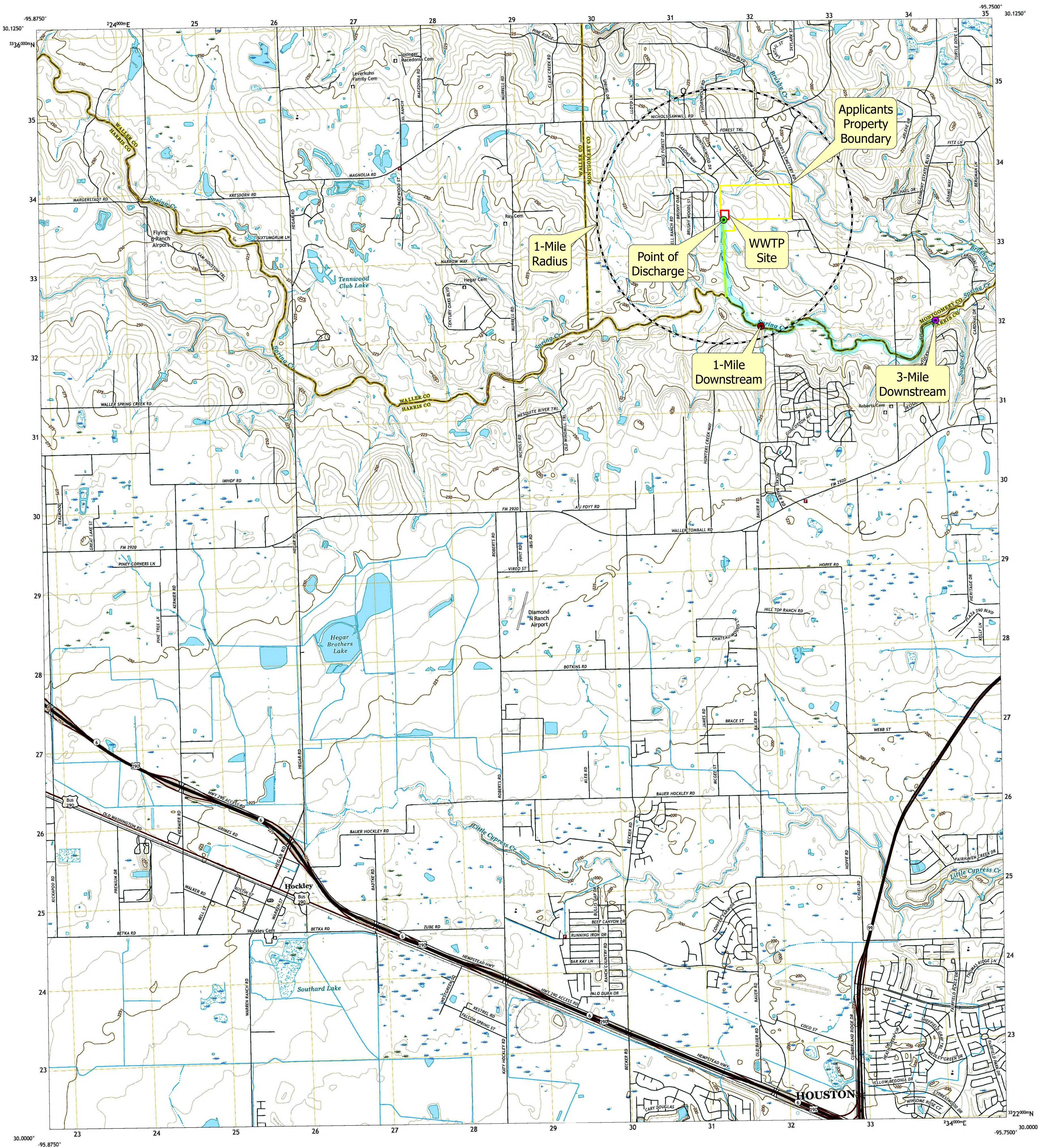




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY



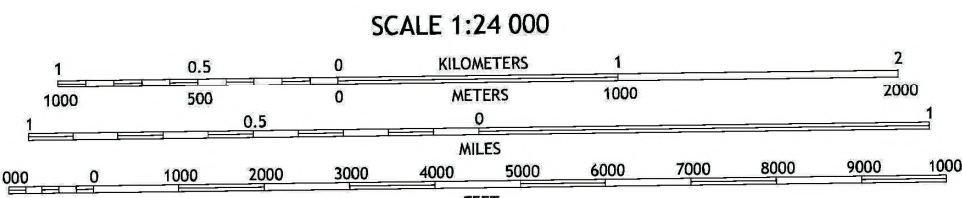
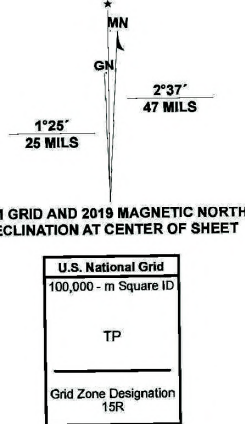
HOCKLEY QUADRANGLE  
TEXAS  
7.5-MINUTE SERIES



Produced by the United States Geological Survey

North American Datum of 1983 (NAD83) Projection and  
World Geodetic System of 1984 (WGS84) Zone 15R  
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, September 2016 - November 2016  
Roads.....U.S. Census Bureau, 2019  
Names.....GNS, 1979 - 2022  
Hydrography.....National Hydrography Dataset, 2003 - 2018  
Contours.....National Elevation Dataset, 2010  
Boundaries.....Multiple sources; see metadata file 2019 - 2021  
Wetlands.....FWS National Wetlands Inventory Not Available

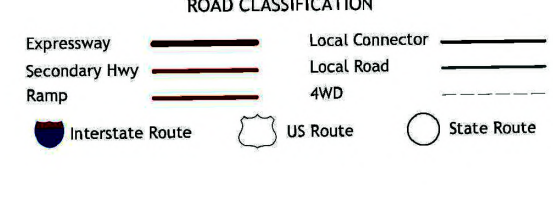


CONTOUR INTERVAL 5 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
This map was produced to conform with the  
National Geospatial Program US Topo product Standard.



1	2	3
4	5	6
7	8	9

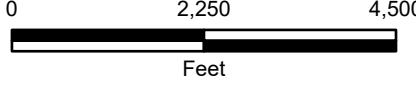
ADJOINING QUADRANGLES



HOCKLEY, TX  
2022



- 1-Mile Downstream
- 3-Mile Downstream
- Point of Discharge
- 1-Mile Radius
- WWTP Site
- Applicants Property Boundary



Roberts Cemetery Road



BGE, Inc.  
10777 Westheimer, Suite 400, Houston TX 77042  
Tel: 281-558-8700 Fax: 281-558-9701  
www.bgeinc.com

TPDES New Permit Application

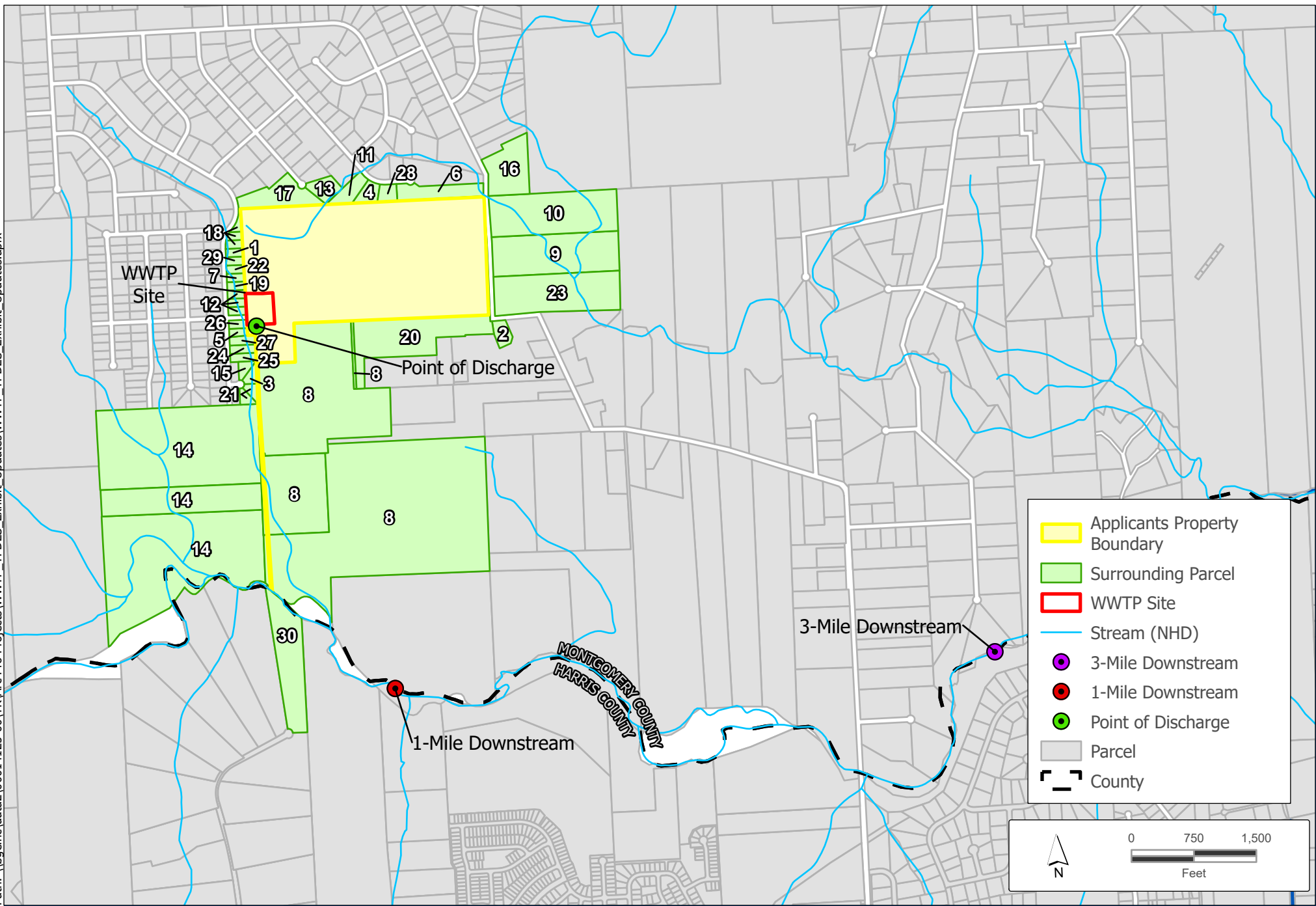
USGS Quad Map  
Corresponds to Domestic Administrative Report 1.0,  
Section 13, Page 10 and Attachment 8 - Supplemental  
Permit Information Form

Date: February 2025 Proj. No: 14125-00 Attachment No: 4



**Attachment 5 – Affected Downstream Landowners Map and Information**  
Corresponds to Domestic Administrative Report 1.1, Section 1, Page 12

Parcel Number	Owner Name	Mailing Address
1	BRAVO, AMALIA	23611 SAXON WAY, HOCKLEY, TX 77447
2	BRUHN, ANDREW & JANA FOLTIN BRUHN MD	22827 ROBERTS CEMETERY RD, HOCKLEY, TX 77447
3	CALDERON, AMY E	23510 SAXON WAY CT, HOCKLEY, TX 77447
4	CARLEY, JEFF & KIMBERLY	23215 LAZY HOLLOW LN, HOCKLEY, TX 77447
5	CUBILLAS, SIRIA	23807 SAXON WAY, HOCKLEY, TX 77447
6	DEAN, DONALD R	23207 LAZY HOLLOW LN, HOCKLEY, TX 77447
7	ESPINOZA, OSCAR D T & ELIZABETH C REYES	23703 SAXON WAY, HOCKLEY, TX 77447
8	FOLTIN, JOSEPH A & GLORIA A	22509 ROBERTS CEMETERY RD, HOCKLEY, TX 77447
9	FORD, JOHN H	
10	FORD, MARY ANN	
11	FRANKLIN, DONALD L & LINDA M	23219 LAZY HOLLOW LN, HOCKLEY, TX 77447
12	GALLEGOS, JUAN	23719 SAXON WAY, HOCKLEY, TX 77447
13	GILES, CHRISTOPHER & JOYCE	23302 GREEN FOREST DR, HOCKLEY, TX 77447
14	HEGAR, LAWRENCE F JR ET AL	
15	HERNANDEZ, CARLOS A & YESICA I RODRIGUEZ	
16	HOFMANN, KILIAN J & KATHLEEN A	23218 ROBERTS CEMETERY RD, HOCKLEY, TX 77447
17	HUEBNER, ANNE M	23307 GREEN FOREST ST, HOCKLEY, TX 77447
18	JAIMES, ESTELA	23607 SAXON WAY, HOCKLEY, TX 77447
19	KRANIWASHL, JACOB	23707 SAXON WAY, HOCKLEY, TX 77447
20	MURPHY, CECIL ANTHONY	22827 ROBERTS CEMETERY RD, HOCKLEY, TX 77447
21	OLSSON, ERIC - ESTATE OF	23507 SAXON WAY CT, HOCKLEY, TX 77447
22	PFIRMAN, RICHARD L	23619 SAXON WAY, HOCKLEY, TX 77447
23	PYLE, ELINOR A	22818 ROBERTS CEMETERY RD, HOCKLEY, TX 77447
24	RAMOS, DAVID & IRMA	23815 SAXON WAY, HOCKLEY, TX 77447
25	RAMOS, IRMA	23819 SAXON WAY, HOCKLEY, TX 77447
26	SIMPSON, VIRGIL L & TRACY G	23803 SAXON WAY, HOCKLEY, TX 77447
27	STILES, GREGORY & AMIE	23811 SAXON WAY, HOCKLEY, TX 77447
28	WARD, MICHAEL & JAMIE	23211 LAZY HOLLOW LN, HOCKLEY, TX 77447
29	WHITAKER, TRAVIS D	23615 SAXON WAY, HOCKLEY, TX 77447
30	SLY KENNETH JR	1175 HUNTERS CREEK WAY, HOCKLEY, TX 77447-3860





AMALIA BRAVO  
23611 SAXON WAY  
HOCKLEY, TX  
77447

ANDREW AND JANA BRUHN  
22827 ROBERTS CEMETERY RD  
HOCKLEY, TX  
77447

AMY E. CALDERON  
23510 SAXON WAY CT  
HOCKLEY, TX  
77447

JEFF & KIMBERLY CARLEY  
23215 LAZY HOLLOW LN  
HOCKLEY, TX  
77447

SIRIA CUBILLAS  
23807 SAXON WAY  
HOCKLEY, TX  
77447

DONALD R. DEAN  
23207 LAZY HOLLOW LN  
HOCKLEY, TX  
77447

OSCAR ESPINOZA & ELIZABETH REYES  
23703 SAXON WAY  
HOCKLEY, TX  
77447

JOSEPH & GLORIA FOLTIN  
22509 ROBERTS CEMETERY RD,  
HOCKLEY, TX 77447

DONALD & LINDA FRANKLIN  
23219 LAZY HOLLOW LN  
HOCKLEY, TX  
77447

JUAN GALLEGOS  
23719 SAXON WAY  
HOCKLEY, TX  
77447

CHRISTOPHER & JOYCE GILES  
23302 GREEN FOREST DR  
HOCKLEY, TX  
77447

KILIAN & KATHLEEN HOFMANN  
23218 ROBERTS CEMETERY RD  
HOCKLEY, TX  
77447

ANNE HUEBNER  
23307 GREEN FOREST ST  
HOCKLEY, TX  
77447

ESTELA JAIMES  
23607 SAXON WAY  
HOCKLEY, TX  
77447

JACOB KRANIWASHL  
23707 SAXON WAY  
HOCKLEY, TX  
77447

CECIL ANTHONY MURPHY  
22827 ROBERTS CEMETERY RD  
HOCKLEY, TX  
77447

ERIC OLSSON  
23507 SAXON WAY CT  
HOCKLEY, TX  
77447

RICHARD PFIRMAN  
23619 SAXON WAY  
HOCKLEY, TX  
77447

ELINOR PYLE  
22818 ROBERTS CEMETERY RD  
HOCKLEY, TX  
77447

DAVID & IRMA RAMOS  
23815 SAXON WAY  
HOCKLEY, TX  
77447

IRMA RAMOS  
23819 SAXON WAY  
HOCKLEY, TX  
77447

VIRGIL & TRACY SIMPSON  
23803 SAXON WAY  
HOCKLEY, TX  
77447

GREGORY & AMIE STILES  
23811 SAXON WAY  
HOCKLEY, TX  
77447

MICHAEL & JAMIE WARD  
23211 LAZY HOLLOW LN  
HOCKLEY, TX  
77447

TRAVIS WHITAKER  
23615 SAXON WAY  
HOCKLEY, TX  
77447

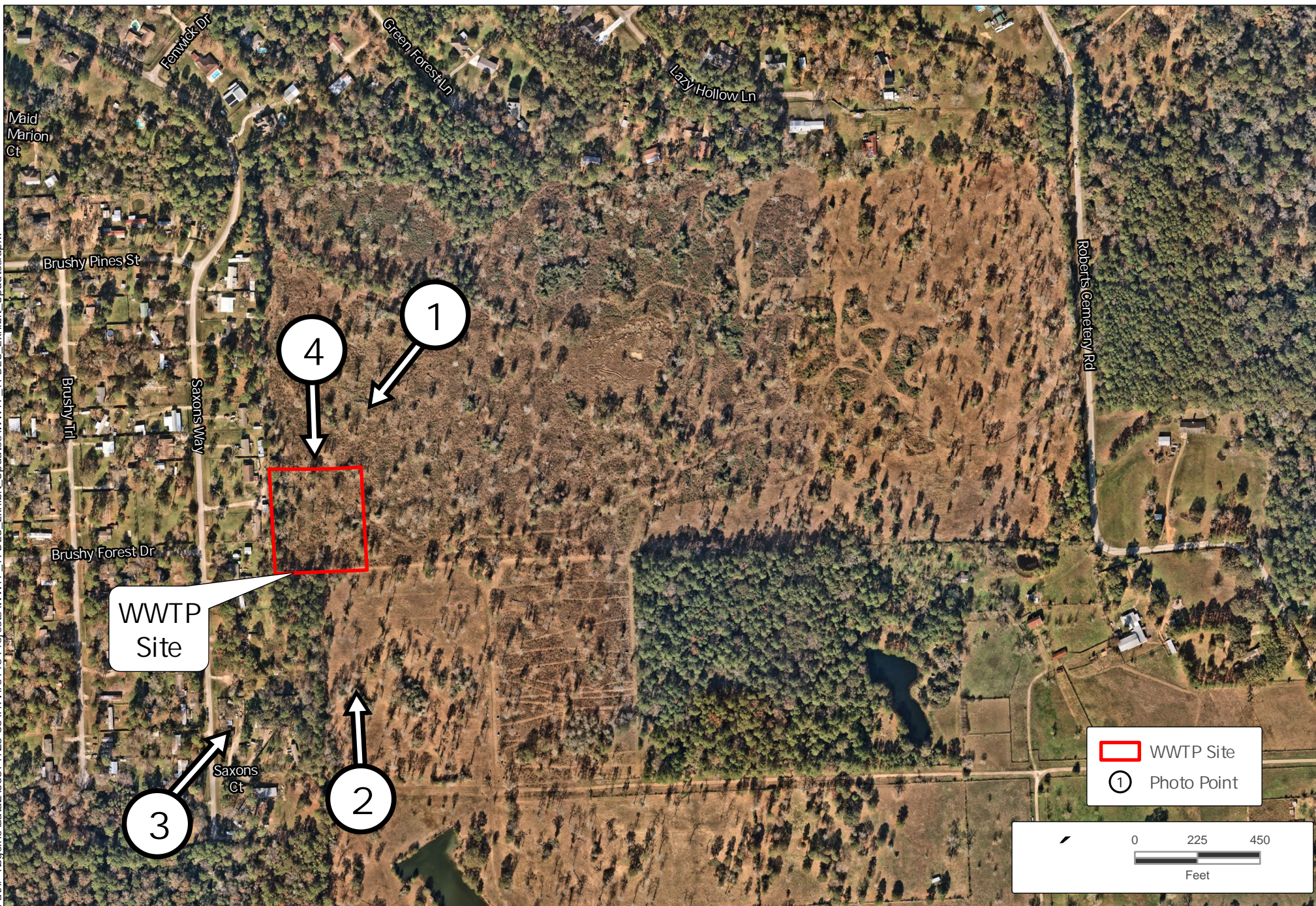
KENNETH SLY  
1175 HUNTERS CREEK WAY  
HOCKLEY, TX  
77447-3860

**Attachment 6 – Original Site Photographs**

Corresponds to Domestic Administrative Report 1.1, Section 2, Page 13



Path: \\bgeinc\data\2\00014125-00TK\Arc Pro Projects\WWTP\_TPDES\_ Exhibit Updates\WWTP\_TPDES\_ Exhibit\_ Updates.aprx





**Photo 1: Site**



*Site has not been developed.*

**Photo 2: Future Discharge Point**



*Future WWTP Effluent will discharge into a detention pond. The detention pond has not been developed.*



**Photo 3: Upstream of Future Discharge Point**



**Photo 4: Downstream of Future Discharge Point**



**Attachment 7 – Buffer Zone Map**

Corresponds to Domestic Administrative Report 1.1, Section 3, Page 13



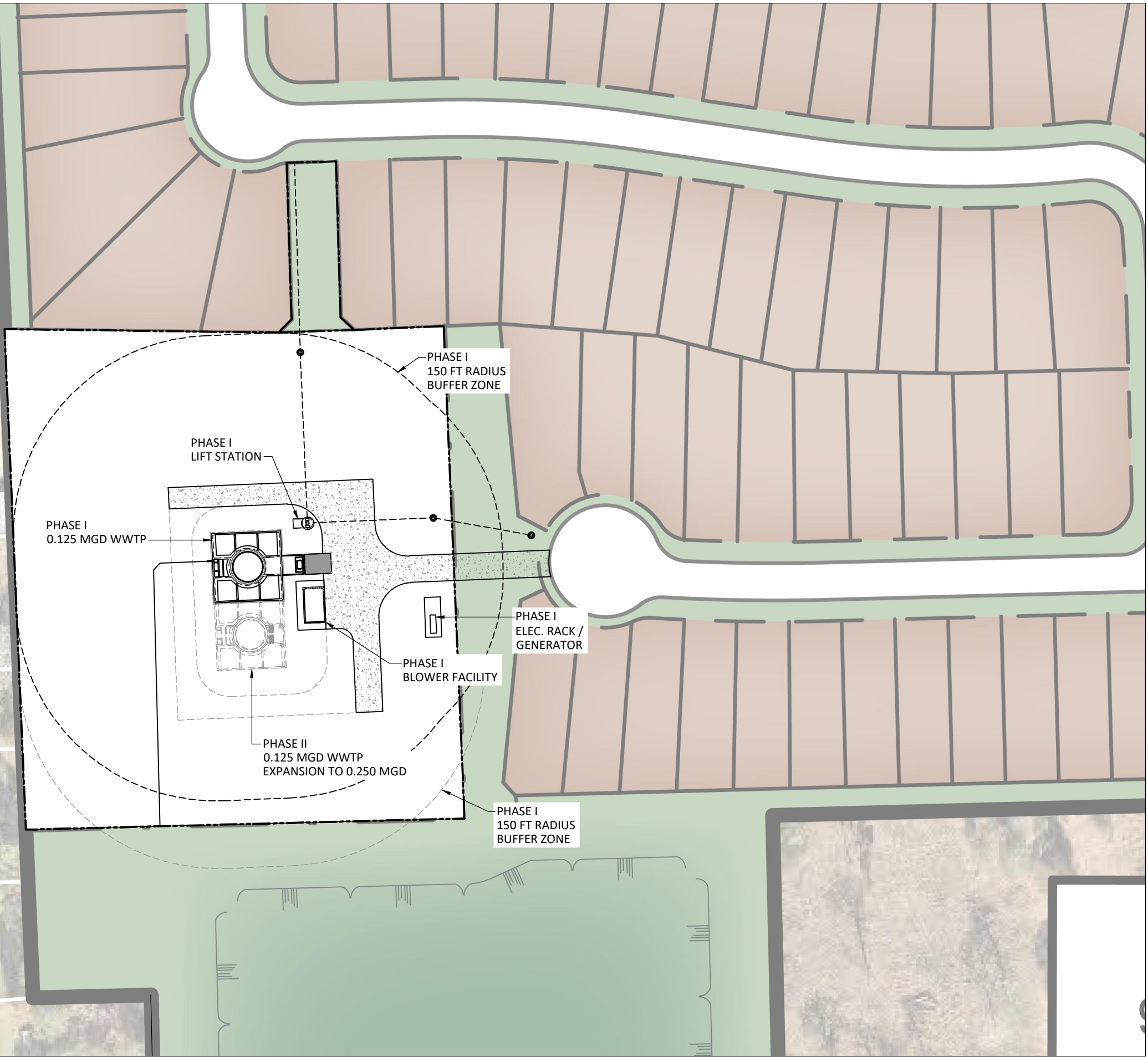
**SAXON WAY**

**WEST DR.**

Creek

An aerial photograph of a residential neighborhood. A road runs vertically through the center. On the left side of the road, there is a large, dark-colored house with a prominent chimney. To the right of the road, there are several other houses, some with light-colored roofs, surrounded by green trees and lawns. The image is framed by a white border with dashed lines, suggesting it's a page from a book or a document. The word "Week" is partially visible in the bottom left corner.

An aerial photograph of a forest. A white arrow points to a specific tree in the upper right quadrant. The word "Week" is partially visible on the left side of the image.



**Attachment 8 – Supplemental Permit Information Form**  
Corresponds to Domestic Administrative Report 1.1, Page 14



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

### FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL 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)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

**Do not refer to your response to any item in the permit application form.** Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at [WQ-ARPTeam@tceq.texas.gov](mailto:WQ-ARPTeam@tceq.texas.gov) or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Taylor Morrison of Texas, Inc.

Permit No. WQ00 [Click here to enter text.](#)

EPA ID No. TX [Click here to enter text.](#)

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

Facility is located approximately 440 feet east of the intersection of Brushy Forest Drive and Saxon Way

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): Ms.

First and Last Name: Shiann Hernandez

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

Title: Project Manager

Mailing Address: 10777 Westheimer, Suite 400

City, State, Zip Code: Houston, TX 77042

Phone No.: 713-488-8391 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: shernandez@bgeinc.com

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

Click here to enter text.

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.

Facility will discharge into a proposed detention pond, thence into a pipe out to Spring Creek, Segment 1008.

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

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

A portion of the plant site will be cleared of vegetation as part of the planned development.

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

The site is currently undeveloped land with trees and grass.

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

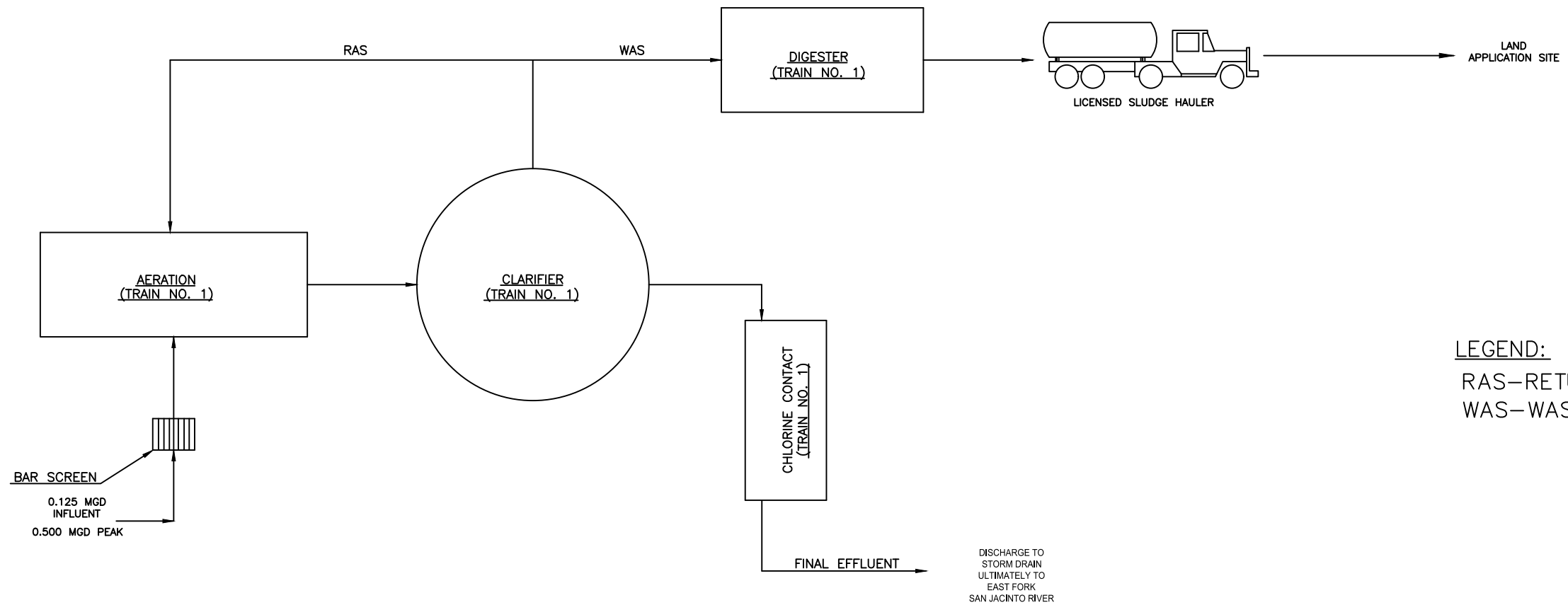
3. List construction dates of all buildings and structures on the property:

The beginning construction date of Phase I will be August 2025; Phase 2 will begin in May 2029.

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

The area is currently undeveloped with vegetation and grasses. Site has not been developed previously.


**Attachment 9 – Process Flow Diagrams**  
Corresponds to Domestic Technical Report 1.0, Section 2.c, Page 2

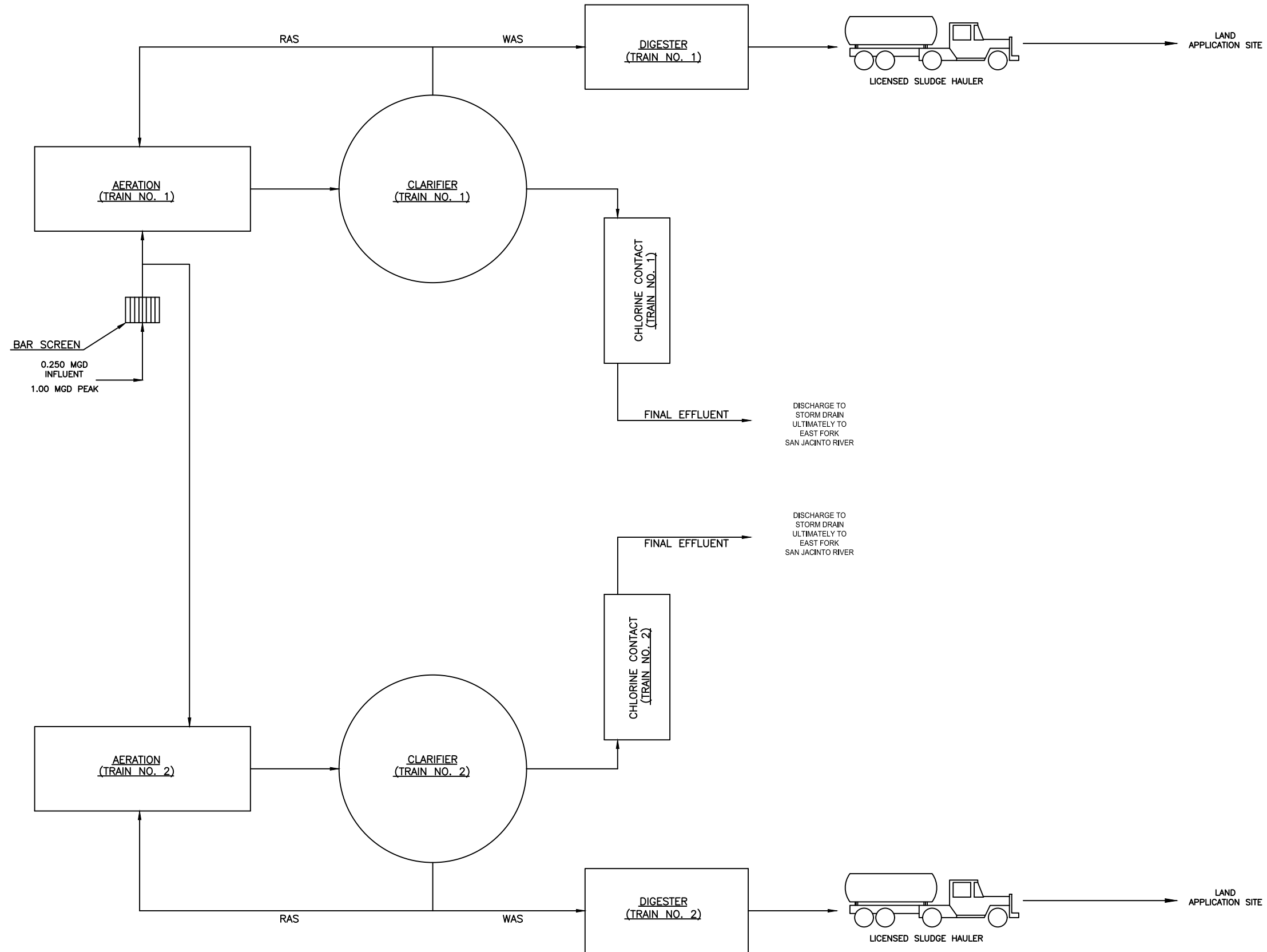


PROCESS FLOW DIAGRAM

LEGEND:

RAS—RETURN ACTIVATED SLUDGE  
WAS—WASTE ACTIVATED SLUDGE

ROBERTS CEMETERY ROAD WWTP		
	<b>BGE, Inc.</b> 10777 Westheimer, Suite 400, Houston, TX 77042 Tel: 281-558-8700 • <a href="http://www.bgeinc.com">www.bgeinc.com</a> TBPE Registration No. F-1046	
	NEW TPDES PERMIT	
FLOW DIAGRAM PROPOSED 0.125 MGD (PHASE I) CORRESPONDS TO DOMESTIC TECHNICAL REPORT 1.0, SECTION 2.C, PAGE 2		
DATE: MAR. 2025	PROJECT #: 14125-00	EXHIBIT: 9A



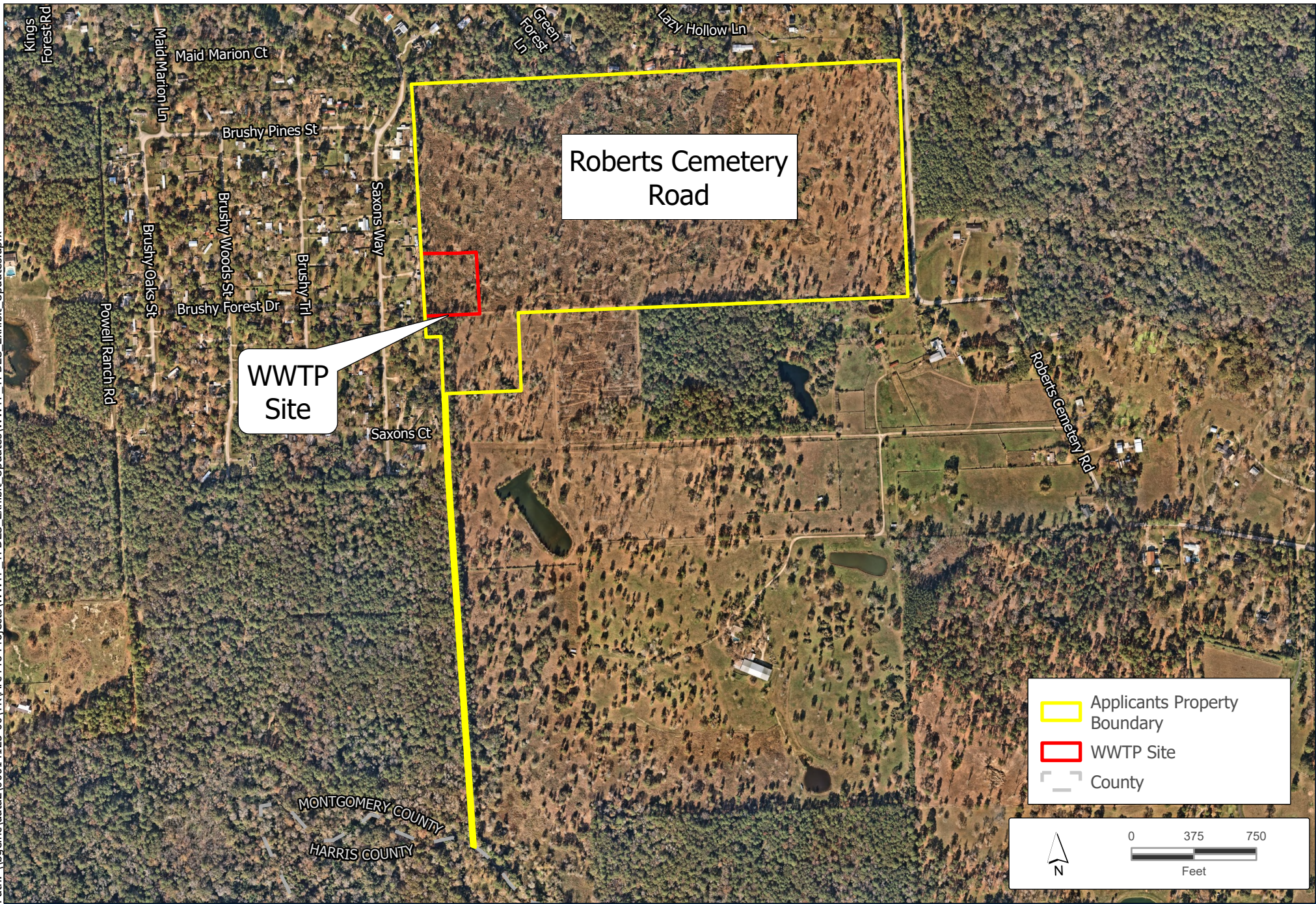
PROCESS FLOW DIAGRAM

LEGEND:  
RAS—RETURN ACTIVATED SLUDGE  
WAS—WASTE ACTIVATED SLUDGE

ROBERTS CEMETERY ROAD WWTP		
<div><div>BGE</div><div><b>BGE, Inc.</b> 10777 Westheimer, Suite 400, Houston, TX 77042 Tel: 281-558-8700 • www.bgeinc.com TBPE Registration No. F-1046</div></div>		
NEW TPDES PERMIT		
FLOW DIAGRAM PROPOSED 0.250 MGD (PHASE II) CORRESPONDS TO DOMESTIC TECHNICAL REPORT 1.0, SECTION 2.C, PAGE 2		
DATE: MAR. 2025	PROJECT #: 14125-00	EXHIBIT: 9B

**Attachment 10 – Site Drawing with Service Area**  
Corresponds to Domestic Technical Report 1.0, Section 3, Page 2





# Roberts Cemetery Road

TPDES New Permit Application  
Site Drawing and Service Area  
Corresponds to Domestic Technical  
Report 1.0, Section 3, Page 3

**BGE, Inc.**  
Tel: 281-558-8700  
[www.bgeinc.com](http://www.bgeinc.com)

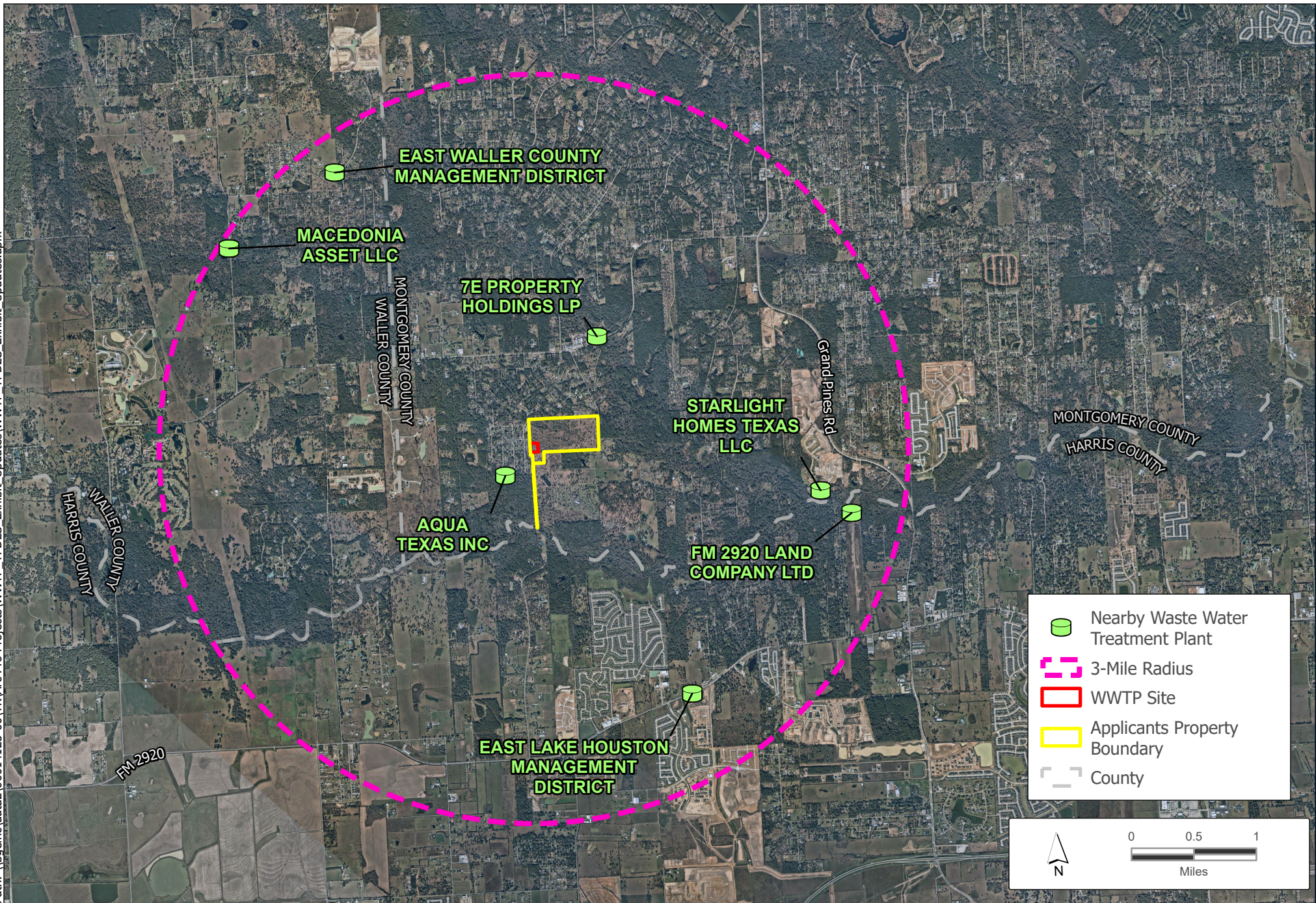
Project No: 14125-00  
Date: February 2025  
Scale: 1 IN = 750 FT



**Attachment 11 – Regionalization Map**

Corresponds to Domestic Technical Report 1.1, Section 1.b.3, Page 20







**Attachment 12 – Correspondence Letters to Nearby WWTP**  
Corresponds to Domestic Technical Report 1.1, Section 1.b.3, Page 20

## Attachment 12 – Correspondence Letters to Nearby WWTP

Corresponds to Domestic Technical Report 1.1, Section 1.b.3, Page 20

The proposed Robert's Cemetery Road Wastewater Treatment Plant (WWTP) will have an initial design flow of 0.125 MGD and an ultimate design flow of 0.250 MGD. The proposed WWTP has seven nearby WWTPs. No letters were sent to these seven WWTPs for the following reasons:

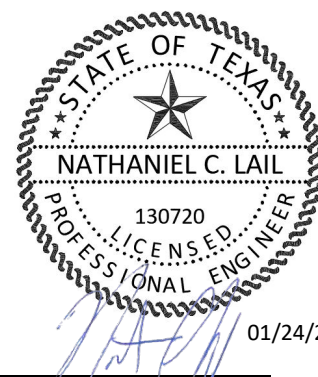
TPDES Permit #	Owner	Reason
WQ001500001	7E Property Holdings, LP	Ultimate design flow is 0.0095 MGD which would not have the capacity to take on the proposed flow.
WQ0012898001	Aqua TX, Inc.	Ultimate design flow is 0.075 MGD which would not have the capacity to take on the proposed flow.
WQ0015977001	FM 2920 Land Company, Ltd.	Ultimate design flow is 0.12 MGD which would not have the capacity to take on the proposed flow.
WQ0016101001	East Lake Houston Management District	TPDES permit is pending as of 6/24/2025
WQ0016144001	Starlight Homes Texas LLC	Ultimate design flow is 0.18 MGD which would not have the capacity to take on the proposed flow.
WQ0016182001	Macedonia Asset LLC	Ultimate design flow is 0.08 MGD which would not have the capacity to take on the proposed flow.
WQ0016630001	East Waller County Management District	TPDES permit is pending as of 6/24/2025

**Attachment 13 – Design Calculations and Sludge Solids Management Plan**  
Corresponds to Domestic Technical Report 1.1, Section 4, Page 22 and  
Domestic Technical Report 1.1, Section 7, Page 23



**ATTACHMENT A ~ DESIGN & LOADING CRITERIA**  
**Roberts Cemetery Development**  
**250,000 GPD**

	Phase I - Plant 1	Phase II - Plant 2	Combined Flow
<b>INFLUENT CONDITIONS</b>			
Flow Per Connection, gpd	250	250	250
BOD, mg/l	300	300	300
Design Average Daily Flow, gpd	125,000	125,000	250,000
Ratio Average/Peak Flow	4.00	4.00	4.00
Peak 2-Hour Flow, gpd	500,000	500,000	1,000,000
Peak 2-Hour Flow, gpm	347	347	347
BOD, lb/day	313	313	626
<b>TANK CONFIGURATION</b>			
Total Wall Height, ft	12.0	12.0	12.0
Freeboard, ft	1.5	1.5	1.5
<b>SELECTOR ZONE</b>			
Detention Time, Hrs	2.00	2.00	2.00
Required Volume, cu ft	1,393	1,393	2,785
Side Water Depth (Normal Flow)	10.50	10.50	10.50
Required Area, sq ft	132.63	132.63	265.26
Actual Area Provided, sq ft	149.00	149.00	298.00
Actual Volume Provided, Cu Ft	1,565	1,565	3,129
Theoretical Detention @ Average Flow, Hrs.	2.25	2.25	2.25
Air Supply @ 20 scfm/1,000 cu ft, scfm	31	31	63
<b>ACTIVATED SLUDGE AERATION BASINS</b>			
Allow Aeration Basin Load, Lb BOD/1000 cu ft	35.00	35.00	35.00
Total Aeration Basin Volume Req'd, cu ft	8,936	8,936	17,871
Side Water Depth (Normal Flow)	10.36	10.36	10.36
Total Basin Area Req'd, sq ft	863	863	1,725
Actual Total Basin Area Provided, sq ft	924	924	1,848
Actual Total Aeration Basin Volume, cu ft	9,573	9,573	19,145
Actual Aeration Basin Loading, #BOD/1000 cu ft	32.7	32.7	32.7
Detention (@Qave), hours	13.7	13.7	13.7
O2 Req'd @ 2.2 # O2/lb BOD	688	688	1,376
Design Diffuser Air Flow/Unit Area, scfm/sf	2.00	2.00	2.00
Diffuser CW Eff @ Field Conditions, %/Ft Sub	2.15%	2.15%	2.15%
Diffuser Field Submergence, ft.	9.86	9.86	9.86
Diffuser CW Transfer Efficiency, %	21.2%	21.2%	21.2%
Correction Factor (Fine Bubble Diffusers)	0.45	0.45	0.45
Diffuser Field Transfer Efficiency, %	9.54%	9.54%	9.54%
Required Air Flow Rate, scfm	290	290	581
Temp Adjustment Factor for 30 Def C	1.27	1.27	1.27
Temp Adjusted Air Flow Rate, scfm	368	368	736
Diffuser active surface area, sf/diffuser	2.54	2.54	2.54
Air Flow Rate Per Diffuser, scfm	4.5	4.5	4.5
No. Diffusers Installed	40	40	80
Diffuser Air Flow/SF Active Membrane, scfm/sf	2.86	2.86	2.86
Air Supply, scfm/1000 cf	30	30	30



**ATTACHMENT A ~ DESIGN & LOADING CRITERIA**  
**Roberts Cemetery Development**  
**250,000 GPD**

	Phase I - Plant 1	Phase II - Plant 2	Combined Flow
<b>CLARIFIER</b>			
Side Water Depth, ft	10.25	10.25	10.25
Allowable Surface Overflow Rate @ Qp, gpd/sf	1200	1200	1200
Diameter Based on OFR Criteria, ft	23.03	23.03	23.03
Minimum Detention @ Qp, hours	1.80	1.80	1.80
Diameter Based on Min. Detention, ft	24.96	24.96	24.96
Minimum Clarifier Diameter, ft	24.96	24.96	24.96
Chosen Clarifier Diameter, ft	26.00	26.00	26.00
Settling Area, sq. ft.	531	531	1062
Total Volume, cu. ft	5,442	5,442	10,884
Avg. SOR, gpd/sq ft	235	235	235
Peak SOR, gpd/sq ft	942	942	942
Avg. Detention, hr	7.82	7.82	7.82
Peak Detention, hr	1.95	1.95	1.95
Return Sludge Flow, gpm (@400 gpd/sq ft)	147	147	295
<b>CHLORINE CONTACT CHAMBER</b>			
Min Peak Flow Detention, min	20	20	20
Required Volume, cu ft	928	928	1857
Maximum Depth @ Qp, ft	9.30	9.30	9.30
Required Surface Area, sq ft	100	100	200
Actual Surface Area Provided, sq ft	123	123	246
Actual Volume, cu ft (Net of Effluent Chamber)	1,144	1,144	2,288
Detention @ Peak Flow, min.	24.6	24.6	24.6
Air Supply Req'd, scfm (@ 10 scfm/1000 cu ft)	11	11	23
<b>AEROBIC DIGESTION</b>			
Allowable Load, cu ft/Lb BOD	18	18	18
Req'd Volume, cu ft	5,630	5,630	11,259
Req'd Surface Area, sq ft	536	536	1,072
Actual Surface Area Provided, sq ft	548	548	1,096
Actual Volume in Two Basins, cu ft	5,754	5,754	11,508
Actual Loading, cu ft/# BOD	18.4	18.4	18.4
Aeration Supply Rate, scfm/1000 cu ft	30	30	30
Total Digester Air Supply Req'd, scfm	173	173	345
No. Diffusers Installed	36	36	72
Air Flow Rate Per Diffuser, scfm	4.8	4.8	4.8
<b>AIR SUPPLY BLOWERS</b>			
Selector Zone Air Supply, scfm	31	31	63
Aeration Process Air Supply, scfm	368	368	736
Skimmer Airlift Air Supply, scfm	5	5	10
RAS Airlift Air Supply, scfm	22	22	44
Digester Process Air Supply, scfm	173	173	345
Chlorine Contact Air Supply, scfm	11	11	23
Total Air Supply Required, scfm	611	611	1,221
Number of Blowers	2	2	2
Capacity of Blowers, scfm	611	611	1,221
Blower Operating Pressure, psi	5.47	5.47	5.47



**ATTACHMENT B**  
**PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS**  
**Roberts Cemetery Development**  
**Phase I - 0.125 mgd**

INFLUENT CONDITIONS				
<b>Design Flow Rate, mgd</b>	<b>0.1250</b>	<b>Aeration Vol, cu ft</b>		<b>9,573</b>
Infl. BOD, mg/l	300	Clarifier Diameter, ft		<b>26</b>
Infl. TSS, mg/l	200	Clarifier Side Wall Depth, ft		<b>10.25</b>
Infl. VSS, mg/l	160	Clarifier Surface Area, sq ft		531
BOD Loading, lb/day	313	Clarifier Volume, cu ft		5,442
BOD Load, #/1000 cu ft	32.7	<b>Temperature, deg C</b>		<b>20</b>
<b>Actual Plant Loading, %</b>	<b>100%</b>	<b>75.0%</b>	<b>50%</b>	<b>25.0%</b>
Actual Flow Rate, mgd	0.125	0.094	0.063	0.031
BOD Loading, #/Day	313	235	156	78
<b>Ret. Sludge Rate, gpd/sq ft</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>
Ret. Sludge Flow, mgd	0.21	0.21	0.21	0.21
t = Aeration Time, days	0.573	0.764	1.146	2.291
ts = Sludge Age, Days	<b>10.5</b>	<b>14.0</b>	<b>21.0</b>	<b>42.0</b>
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.23	0.17	0.11	0.06
F = Effl Soluble BOD	1.45	1.09	0.73	0.36
Ma = Active Mass	1,118	1,119	1,120	1,122
Me = Endogenous Mass	644	645	645	646
Mi = Inert Organic Mass	1,026	1,026	1,026	1,026
Mii = Inert Inorganic Mass	1,093	1,093	1,093	1,093
Mt = Total Mass, mg/l	3,881	3,883	3,885	3,888
Total Mass in Aeration Basin, lb	2,317	2,319	2,320	2,322
Lb BOD/Lb MLSS/Day	0.135	0.101	0.067	0.034
Effl TSS, mg/l	8	8	8	8
Effl BOD, mg/l	3	3	2	2
Sludge Accumulation, lb/day	221	166	110	55
TSS Lost In Effluent, lb/day	8	6	4	2
Waste Sludge, lb/day	213	160	106	53
Return Sludge Conc, mg/l	6,165	5,597	5,029	4,460
Waste Sludge Conc, mg/l	6,165	5,597	5,029	4,460
Waste Sludge Flow, gpd	4,135	3,418	2,538	1,432
AEROBIC DIGESTER				
<b>Volume, cu ft</b>	<b>5,754</b>			
Design Loading, cu ft/lb BOD	18.40	24.53	36.80	73.59
Incoming Sludge Conc, mg/l	6,165	5,597	5,029	4,460
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	33.76	44.99	67.45	134.81
Infl Total Solids, lb/day	213	160	106	53
Infl Active Mass, lb/day	61	46	31	15
Effl Active Mass, lb/Day	7	5	4	2
Active Mass Red., lb/day	43	33	22	11
Digester Effl Solids, lb/day	169	127	85	42
Sludge Disposed, lb/mg	1,354	1,355	1,355	1,356
Sludge Disposed, tons/mg	0.68	0.68	0.68	0.68
Sludge Hauled, gal/day	1,015	761	508	254
Sludge Hauled, gal/month	30,440	22,841	15,234	7,621





**ATTACHMENT B**  
**PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS**  
**Roberts Cemetery Development**  
**Phase II - 0.250 mgd**

INFLUENT CONDITIONS				
<b>Design Flow Rate, mgd</b>	<b>0.2500</b>	<b>Aeration Vol, cu ft</b>	<b>19,145</b>	
Infl. BOD, mg/l	300	Clarifier Diameter, ft (each)	<b>26</b>	
Infl. TSS, mg/l	200	Clarifier Side Wall Depth, ft	<b>10.25</b>	
Infl. VSS, mg/l	160	Clarifier Surface Area, sq ft	1,062	
BOD Loading, lb/day	626	Clarifier Volume, cu ft	10,884	
BOD Load, #/1000 cu ft	32.7	<b>Temperature, deg C</b>	<b>20</b>	
<b>Actual Plant Loading, %</b>	<b>100%</b>	<b>75.0%</b>	<b>50%</b>	<b>25.0%</b>
Actual Flow Rate, mgd	0.250	0.188	0.125	0.063
BOD Loading, #/Day	626	469	313	156
<b>Ret. Sludge Rate, gpd/sq ft</b>	<b>400</b>	<b>400</b>	<b>400</b>	<b>400</b>
Ret. Sludge Flow, mgd	0.42	0.42	0.42	0.42
t = Aeration Time, days	0.573	0.764	1.146	2.291
ts = Sludge Age, Days	<b>10.5</b>	<b>14.0</b>	<b>21.0</b>	<b>42.0</b>
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.23	0.17	0.11	0.06
F = Effl Soluble BOD	1.45	1.09	0.73	0.36
Ma = Active Mass	1,118	1,119	1,120	1,122
Me = Endogenous Mass	644	645	645	646
Mi = Inert Organic Mass	1,026	1,026	1,026	1,026
Mii = Inert Inorganic Mass	1,093	1,093	1,093	1,093
Mt = Total Mass, mg/l	3,881	3,883	3,885	3,888
Total Mass in Aeration Basin, lb	4,635	4,638	4,641	4,643
Lb BOD/Lb MLSS/Day	0.135	0.101	0.067	0.034
Effl TSS, mg/l	8	8	8	8
Effl BOD, mg/l	3	3	2	2
Sludge Accumulation, lb/day	441	331	221	111
TSS Lost In Effluent, lb/day	16	12	8	4
Waste Sludge, lb/day	425	319	213	107
Return Sludge Conc, mg/l	6,165	5,597	5,029	4,460
Waste Sludge Conc, mg/l	6,165	5,597	5,029	4,460
Waste Sludge Flow, gpd	8,271	6,836	5,076	2,863
AEROBIC DIGESTER				
<b>Volume, cu ft</b>	<b>11,508</b>			
Design Loading, cu ft/lb BOD	18.40	24.53	36.80	73.59
Incoming Sludge Conc, mg/l	6,165	5,597	5,029	4,460
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	33.76	44.99	67.45	134.81
Infl Total Solids, lb/day	425	319	213	107
Infl Active Mass, lb/day	122	92	61	31
Effl Active Mass, lb/Day	14	11	7	4
Active Mass Red., lb/day	87	65	43	22
Digester Effl Solids, lb/day	338	254	169	85
Sludge Disposed, lb/mg	1,354	1,355	1,355	1,356
Sludge Disposed, tons/mg	0.68	0.68	0.68	0.68
Sludge Hauled, gal/day	2,029	1,523	1,016	508
Sludge Hauled, gal/month	60,880	45,682	30,469	15,241

**Procedure and Method of Solids Removal:**

After organic reduction and sludge stabilization occurs in the digester(s), sludge will be removed by a TCEQ registered hauler to a TCEQ registered/permitted land application site. The registered hauler has not been determined.

**Identification and Ownership of disposal site:**

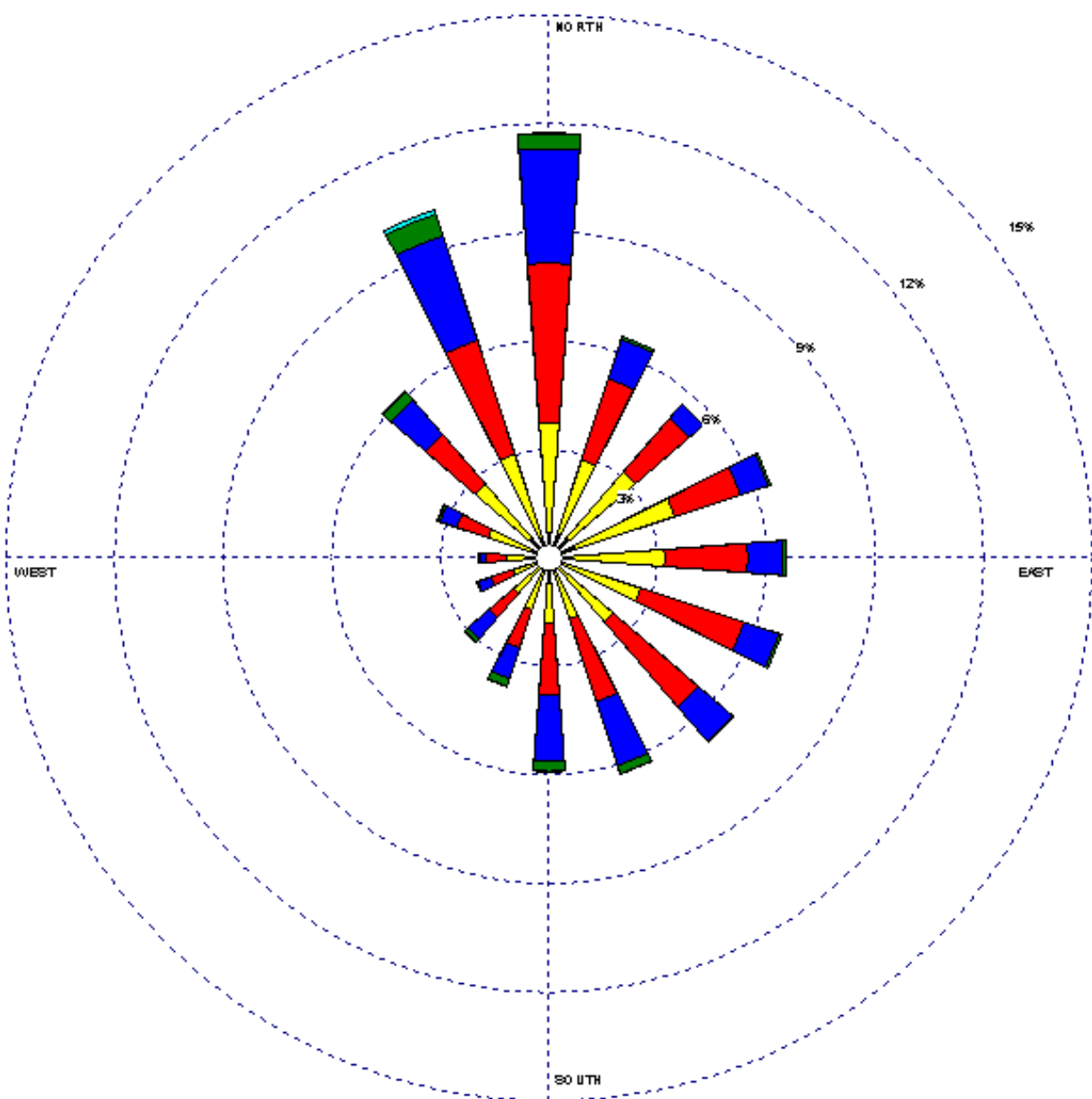
The site has not yet been determined.


**Attachment 14 – Wind Rose**

Corresponds to Domestic Technical Report 1.1, Section 5.B, Page 23

## WIND ROSE PLOT

Station #12960 - HOUSTON/INTERCONTINENTAL ARPT, TX



<b>Wind Speed (m/s)</b>  	MODELER Sara West	DATE 8/29/2002	COMPANY NAME USDA-ARS
	DISPLAY Wind Speed	UNIT m/s	COMMENTS
	AVG. WIND SPEED 4.18 m/s	CALM WINDS 7.10%	
	ORIENTATION Direction (blowing from)	PLOT YEAR-DATE-TIME 1961 Dec 1 - Dec 31 Midnight - 11 PM	