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

Attachment B

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

DOMESTIC WASTEWATER

Prairie Crossing Wastewater, LLC (CN 605742261) proposes to operate Prairie Crossing Wastewater Treatment Facility RN 110939188. A single stage nitrification plant with tertiary treatment. The facility will be located at approximately 5,300 ft. Northeast of the intersection of FM 973 & CR 485, in Taylor, Williamson County, Texas 76574.

This application is for a renewal to discharge at an average flow of 0.25 mgd in Interim Phase I, 0.5 mgd in Interim Phase II, and 4.5 mgd in the ultimate phase of domestic wastewater via outfall 001, lat: 30.503385, long: -97.441021.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia-nitrogen (NH3-N). and Escherichia coli. Domestic wastewater will be treated by an activated sludge process plant and the treatment units include bar screens, odor control system, grit basin, aeration basins, final clarifiers, disinfection modules, drum thickeners, and aerated sludge holding basins.

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

AGUAS RESIDUALES DOMESTICAS **/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.

Prairie Crossing Wastewater, LLC (CN 605742261) propone operar Prairie Crossing Wastewater Treatment Facility RN 110939188, una planta de nitrificación de una sola etapa con tratamiento terciario. La instalación estará ubicada en aproximadamente 5,300 pies al noreste de la intersección del Farm-to Market Road 973 y County Road 485, en Taylor, Condado de Williamson, Texas 76574. Esta solicitud es para una renovación para descargar un caudal promedio de 0.25 millones de galones por día en la Fase Interina I, 0.5 millones de galones por día en la Fase Interina II y 4.5 millones de galones por día en la fase final de aguas residuales domesticas a través del emisario 001, latitud: 30.503385, longitud: -97.441021.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), solidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. Las aguas residuales domesticas. estará tratado por una planta de proceso de lodos activados, y las unidades de tratamiento incluyen rejillas de barras, sistema de control de olores, desarenador, tanques de aireación, clarificadores finales, módulos de desinfección, espesadores de tambor y tanques de retención de lodos aireados.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0015850001

APPLICATION. Prairie Crossing Wastewater, LLC, 21100 Carries Ranch Road, Pflugerville, Texas 78660, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015850001 (EPA I.D. No. TX0139866) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 4,500,000 gallons per day. The domestic wastewater treatment facility is approximately 5,300 feet northeast of the intersection of County Road 485 and Farm-to-Market Road 973, near the city of Taylor, in Williamson County, Texas 78626. The discharge route is from the plant site via pipe to Boggy Creek; thence to Brushy Creek. TCEQ received this application on September 3, 2025. The permit application will be available for viewing and copying at Taylor Public Library, 801 Vance Street, Taylor, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.441666,30.502222&level=18

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

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

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public

interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

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

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Prairie Crossing Wastewater, LLC at the address stated above or by calling Ms. Kimberly Hammond, P.E., DCS Engineering, LLC, at 512-614-6171.

Issuance Date: September 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
RENOVACION

PERMISO NO. WQ0015850001

SOLICITUD. Prairie Crossing Wastewater, LLC, 21100 Carries Ranch Road, Pflugerville, Texas 78660 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0015850001 (EPA I.D. No. TX0139866) 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 4,500,000 galones por día. La planta de tratamiento de aguas residuales domésticas se encuentra aproximadamente a 5,300 pies al noreste de la intersección de County Road 485 y Farm-to-Market Road 973, cerca de la ciudad de Taylor, en el condado de Williamson, Texas 78626. La ruta de descarga es del sitio de la planta a través de tuberías hasta Boggy Creek y de ahí hasta Brushy Creek. La TCEQ recibió esta solicitud el 3 de Septiembre de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la biblioteca publica de la ciudad de Taylor, 801, Vance Street, Taylor, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.441666,30.502222&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. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.**

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 especifico. Si desea que se agrega 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. 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 Prairie Crossing Wastewater, LLC a la dirección indicada arriba o llamando a Ms. Kimberly Hammond, P.E, DCS Engineering, LLC al 512-614-6171.

Fecha de emisión: 29 de septiembre de 2025

Prairie Crossing
Wastewater Treatment Facility

Permit No. WQ0015850001
Renewal Application

Submitted to
Texas Commission on Environmental Quality

September 2025

Prepared By:

DCS Engineering, LLC
1101 S. Capital of Texas Hwy, Building G-100
Austin, TX 78746
(512) 614-6171
T.B.P.E. Firm No.: F-13162
Project Number: 20101614

DCS
1101 S. Capital of Texas Highway
Building G-100
Austin, Texas 78746

Tel: (512) 614-6171
T.B.P.E. Firm No. F-13162
www.DCS-Engineering.com

August 28, 2025

Application Review and Processing Team (MC 148)
Water Quality Division
Texas Commission on Environmental Quality
Building F, Room 2101
12100 Park 35 Circle
Austin, TX 78753

Reference: Tiemann Land and Cattle Development, Inc.
Prairie Crossing Wastewater Treatment Facility – Permit No. WQ0015850001
Permit Renewal Application

To Whom It May Concern:

The enclosed application package for a renewal permit is hereby submitted for the Commission's processing. The application and supporting documents have been prepared by DCS Engineering, LLC as an independent consultant retained by the applicant. The Prairie Crossing Wastewater Treatment Facility (WWTF) is currently permitted to treat an average annual flow of 0.25 mgd in Interim I, 0.50 mgd in Interim II, and 4.50 mgd ultimate.

No change is being made to the effluent discharge route via pipe into Boggy Creek, thence Brushy Creek Segment No. 1244 of the Brazos River Basin; and sludge may be disposed of at a permitted solid waste landfill or TCEQ authorized land application site.

Please note that the application fee of $2,015.00 has been overnighted to the Final Administration Division per the instructions on page 15 of 17 of form TCEQ-10053.

This submittal package includes one original copy of the permit. An electronic copy of the permit has been submitted through the TCEQ FTP. Please contact me if you have any questions or comments at (512) 614-6171.

Sincerely,

Darren C Strozewski, P. E.
Principal

Enclosures

8/28/25

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Prairie Crossing Wastewater, LLC

PERMIT NUMBER (If new, leave blank): WQ0015850001

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed — Check/Money Order Number: 3198

Check/Money Order Amount: $2,015.00

Name Printed on Check: DCS Engineering, LLC

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 Water 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 1585001

EPA I.D. (TPDES only): TX 0139866

Expiration Date: March 5, 2026

Section 3. Facility Owner (Applicant) and Co-Applicant 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?

Prairie Crossing Wastewater, LLC

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

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

CN: 605742261

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

Prefix: Mr. Last Name, First Name: Tiemann, Matthew

Title: General Manager 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?

Click to enter text.

(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: Click to enter text.

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: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Click to enter text.

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 A

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: Hammond, Kimberly

Title: Project Manager Credential: P.E.

Organization Name: DCS Engineering, LLC

Mailing Address: 1101 S. Capital of Texas Hwy, Bldg. G-100 City, State, Zip Code: Austin, TX 78746

Phone No.: 512-614-6171 E-mail Address: khammond@dcs-engineering.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Silva Villamarin, Ilam

Title: Project Engineer Credential: E.I.T.

Organization Name: DCS Engineering, LLC

Mailing Address: 1101 S. Capital of Texas Hwy, Bldg. G-100 City, State, Zip Code: Austin, TX 78746

Phone No.: 512-614-6171 E-mail Address: isilva@dcs-engineering.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: Mr. Last Name, First Name: Tiemann, Matthew

Title: General Manager Credential: Click to enter text.

Organization Name: Prairie Crossing Wastewater, LLC

Mailing Address: 21100 Carries Ranch Road City, State, Zip Code: Pflugerville, TX 78660

Phone No.: 512-990-1933 E-mail Address: mtiemann@tlcdevelopment.com

B. Prefix: Mr. Last Name, First Name: Fenwick, Sam

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Prairie Crossing Wastewater, LLC

Mailing Address: 21100 Carries Ranch Road City, State, Zip Code: Pflugerville, TX 78660

Phone No.: 512-990-1933 E-mail Address: sfenwick@tlcdevelopment.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: Mr. Last Name, First Name: Tiemann, Matthew

Title: General Manager Credential: Click to enter text.

Organization Name: Prairie Crossing Wastewater, LLC

Mailing Address: 21100 Carries Ranch Road City, State, Zip Code: Pflugerville, TX 78660

Phone No.: 512-990-1933 E-mail Address: mtiemann@tlcdevelopment.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: Tiemann, Matthew

Title: General Manager Credential: Click to enter text.

Organization Name: Prairie Crossing Wastewater, LLC

Mailing Address: 21100 Carries Ranch Road City, State, Zip Code: Pflugerville, TX 78660

Phone No.: 512-990-1933 E-mail Address: mtiemann@tlcdevelopment.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name:Hammond, Kimberly

Title: Project Manager Credential: P.E.

Organization Name: DCS Engineering, LLC

Mailing Address: 1101 S. Capital of Texas Hwy, Bldg. G-100 City, State, Zip Code: Austin, TX 78746

Phone No.: 512-614-6171 E-mail Address: khammond@dcs-engineering.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: Hammond, Kimberly

Title: Project Manager Credential: P.E.

Organization Name: DCS Engineering, LLC

Mailing Address: 1101 S. Capital of Texas Hwy, Bldg. G-100 City, State, Zip Code: Austin, TX 78746

Phone No.: 512-614-6171 E-mail Address: khammond@dcs-engineering.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: City of Taylor Public Library

Location within the building: Click to enter text.

Physical Address of Building: 801 Vance Street

City: Taylor County: Williamson

Contact (Last Name, First Name): Ellis, Karen

Phone No.: 512-352-3434 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. Summary of Application in Plain Language Template

Complete the F. Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS, and include as an attachment.

Attachment: Attachment B

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: N/A

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** 110939188

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):

Prairie Crossing Wastewater Treatment Plant

C. Owner of treatment facility: Prairie Crossing Wastewater, LLC

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

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

Prefix: Mr. Last Name, First Name: Tiemann, Robert

Title: Manager Credential: Click to enter text.

Organization Name: 05 Ranch Investments, LLC

Mailing Address: 21100 Carries Ranch Road City, State, Zip Code: Pflugerville, TX 78660

Phone No.: 512-990-1933 E-mail Address: rtiemann@tlcdevelopment.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: C

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:

Click to enter text.

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:

Click to enter text.

City nearest the outfall(s): Taylor

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

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: N/A

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

Click 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:

See Attachment D

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify: Click to enter text.

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0015850001

Applicant: Prairie Crossing Wastewater, 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): Matthew Tiemann

Signatory title: General Manager

Signature: _____ Date: 8/15/25

(Use blue ink)

Subscribed and Sworn to before me by the said MATTHEW TIEMANN

on this 15th day of AUGUST, 2025.

My commission expires on the 11th day of October, 2028.

_____

Notary Public

CAROLYN CADENHEAD
MY COMMISSION EXPIRES
OCTOBER 11, 2028
NOTARY ID: 132700585

[SEAL]

Travis

County, Texas

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: E

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

Electronic Application Submittal ☒ Yes
(See application submittal requirements on page 23 of the instructions.)

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)

Summary of Application (in Plain Language) ☒ Yes

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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): 0.25

2-Hr Peak Flow (MGD): 1.00

Estimated construction start date: 1/1/26

Estimated waste disposal start date: 1/1/27

B. Interim II Phase

Design Flow (MGD): 0.50

2-Hr Peak Flow (MGD): 2.00

Estimated construction start date: 1/1/28

Estimated waste disposal start date: 1/1/29

C. Final Phase

Design Flow (MGD): 4.5 MGD

2-Hr Peak Flow (MGD): 18.0 MGD

Estimated construction start date: 1/1/30

Estimated waste disposal start date: 1/1/31

D. Current Operating Phase

Provide the startup date of the facility: N/A New WWTP

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**.

Attachment F

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)
See Attachment G		

C. Process Flow Diagram

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

Attachment: H

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

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

- Latitude: 30.503385
- Longitude: -97.441021

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

- Latitude: N/A
- Longitude: N/A

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: Attachment I

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

The proposed wastewater treatment plant will serve the proposed Prairie Crossing residential subdivision, as well as surrounding tracts that are anticipated to be residential 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
		Choose an item.	
		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**.

Availability of potable water supply has prevented the development from beginning. The District has and is actively pursuing options to obtain potable water service from existing entities including, but not limited to, Jonah SUD, Manville WSC, City of Taylor, City of Hutto, or developing the District's own water treatment plant. At this time, negotiations are ongoing. It should be noted that construction plans for Phase I have been completed and approved for construction by TCEQ.

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**.

Interim Phase I Approval letter: **See Attachment J**

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.

See Attachment C

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*.

A summary transmittal letter has been submitted and approved by TCEQ for the construction of Interim Phase I.

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.
Click to enter text.

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_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click 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_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click 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). **W*ater 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
$CBOD_5$, 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					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/cm, †					
Oil & Grease, mg/l					
Alkalinity ($CaCO_3$)*, mg/l					

*TPDES permits only
†TLAP permits only

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 ($CaCO_3$), mg/l					

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Crossroads Utility Services

Facility Operator's License Classification and Level: Operations Company

Facility Operator's License Number: OC0000182

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>= 1 MGD
- ☐ Serves >= 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 (>= 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	Interim I: 0.28 Interim II: 0.56 Final: 5.00	Class B: PSRP Aerobic Digestion	N/A: Disposal in Landfill
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: Walker Aero Environmental

TCEQ permit or registration number: 2310

County where disposal site is located: Travis

E. Transportation method

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

Name of the hauler: Sheridan Environmental, LLC

Hauler registration number: 24220

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 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 $1x10^{-7}$ 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.

Section 14. Laboratory Accreditation (Instructions Page 55)

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

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

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

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

CERTIFICATION:

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

Printed Name: Matthew R. Tiemann

Title: General Manager

Signature: _____

Date: 8-15-25

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 it 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: Boggy Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click to enter text.

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

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

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click to enter text.

B. Flow characteristics

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

☐ Intermittent - dry for at least one week during most years

☒ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: Click 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.

N/A

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

No

E. Normal dry weather characteristics

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

Steep banks with erosion, trees and brush along banks, small flows, relatively clear water

Date and time of observation: 12/17/2019

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.

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

B. Waterbody uses

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

- ☒ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☐ Other(s), specify: Click to enter text.

C. Waterbody aesthetics

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

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

Attachment Index

Renewal Application
Prairie Crossing
Wastewater Treatment Plant

Attachment	**Title**
Attachment A	Core Data Form
Attachment B	Summary of Application in Plain Language Template
Attachment C	Wastewater Treatment Plant Property Boundary
Attachment D	Property and Plant Boundaries, Discharge Point and Route, 1-mile radius and 3 miles downstream (USGS Quadrangles Taylor, TX)
Attachment E	SPIF – Project Boundary, General Location and 1 mile downstream (USGS Quadrangles Taylor, TX)
Attachment F	Treatment Process Description
Attachment G	Process Design Calculations and Treatment Unit Dimensions
Attachment H	Flow Diagrams
Attachment I	Service Area
Attachment J	Interim Phase I Approval Letter

ATTACHMENT A

CORE DATA FORM

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 605742261		RN 110939188

SECTION II: Customer Information

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

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

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

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

Prairie Crossing Wastewater, LLC

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
803487668	32072737177	84-4062493	

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

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

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

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

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

15. Mailing Address:

21100 Carries Ranch Road

City	Pflugerville	State	TX	ZIP	78660	ZIP + 4	

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

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

(512) 990-1933		( ) -

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.)*

Prairie Crossing WWTP

23. Street Address of the Regulated Entity: ***(No PO Boxes)***								
	City		**State**	TX	**ZIP**	76574	**ZIP + 4**	
24. County	Williamson							

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

25. Description to Physical Location:	Approximately 5,300 ft. Northeast of the intersection of FM 973 and CR 485 in Taylor, Tx.				
26. Nearest City			**State**	**Nearest ZIP Code**	
Taylor			TX	78626	

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

27. Latitude (N) In Decimal:	30.088303		**28. Longitude (W) In Decimal:**	-95.437744	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	30	7.57	-97	26	29.34

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
4952		221320	

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

Collect, treat, & dispose of domestic ww

34. Mailing Address:	**21100 Carries Ranch Road**							
	City	**Pflugerville**	**State**	**TX**	**ZIP**	**78660**	**ZIP + 4**	
35. E-Mail Address:	**mtiemann@tlcdevelopment.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(512) 990-1933		( ) -

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0015850001			

SECTION IV: Preparer Information

40. Name:	Darren Strozewski	41. Title:	Principal

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 614-6171		( ) -	dstrozewski@dcs-engineering.com

SECTION V: Authorized Signature

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

Company:	Prairie Crossing Wastewater, LLC	Job Title:	General Manager
Name *(In Print)*:	Matthew Tiemann	Phone:	(512) 990- 1933
Signature:		Date:	8-15-25

ATTACHMENT B

SUMMARY OF APPLICATION IN PLAIN LANGUAGE TEMPLATE

Attachment B

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

DOMESTIC WASTEWATER

Prairie Crossing Wastewater, LLC (CN 605742261) proposes to operate Prairie Crossing Wastewater Treatment Facility RN 110939188. A single stage nitrification plant with tertiary treatment. The facility will be located at approximately 5,300 ft. Northeast of the intersection of FM 973 & CR 485, in Taylor, Williamson County, Texas 76574.

This application is for a renewal to discharge at an average flow of 0.25 mgd in Interim Phase I, 0.5 mgd in Interim Phase II, and 4.5 mgd in the ultimate phase of domestic wastewater via outfall 001, lat: 30.503385, long: -97.441021.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia-nitrogen (NH3-N). and Escherichia coli. Domestic wastewater will be treated by an activated sludge process plant and the treatment units include bar screens, odor control system, grit basin, aeration basins, final clarifiers, disinfection modules, drum thickeners, and aerated sludge holding basins.

ATTACHMENT C

WASTEWATER TREATMENT PLANT PROPERTY BOUNDARY

WASTEWATER TREATMENT PLANT
PROPERTY BOUNDARY AND BUFFER ZONE EASEMENTS

DATE: February 6, 2023

GRANTOR: 05 RANCH INVESTMENTS, LLC,
a Texas limited liability company

GRANTOR'S ADDRESS: 21100 Carries Ranch Road
Pflugerville, Texas 78660

GRANTEE: PRAIRIE CROSSING WASTEWATER, LLC
a Texas limited liability company

GRANTEE'S ADDRESS: 21100 Carries Ranch Road
Pflugerville, Texas 78660

EASEMENT PROPERTY:

A tract of land consisting of 14.7 acres, more or less, more particularly described by metes and bounds on the attached Exhibit A, which is incorporated herein and made a part hereof for all purposes. The location of the easement and right-of-way hereby conveyed shall be as shown on plat attached hereto as part of Exhibit A

GRANTOR, in exchange for good and valuable consideration and the agreements, terms, conditions, and covenants herein set forth, the receipt and sufficiency of which are acknowledged, has GRANTED, SOLD AND CONVEYED and by these presents does GRANT, SELL AND CONVEY unto GRANTEE, a non-exclusive wastewater access easement (the "Easement") in, upon, over, under, through, and across the EASEMENT PROPERTY, together with all and singular, the rights and appurtenances thereto in any wise belonging, to have and hold to GRANTEE and GRANTEE'S successors and assigns forever, subject to the following agreements, terms, conditions, and covenants.

1. Purpose of Easement. The Easement granted herein is for the following purposes: construction, installation, operation, use, maintenance, repair, inspection, replacement, and restoration of wastewater disposal facilities, including without limitation, wastewater lines, wastewater utility facilities, channels, and other related fixtures, appurtenances, equipment, and fittings incidental thereto, to be installed, constructed or placed within the Easement Property by Grantee or its designee, (collectively, the "Facilities"), together with a right of ingress and egress in, over, under, through, and across the Easement Property.

2. Character and Duration of the Easement. The Easement is permanent in nature, shall run with the land, be binding upon and inure to the benefit of Grantor, Grantee, and their respective successors and assigns, and shall forever encumber the Easement Property unless and

until the earlier occurrence of one of the following events: (a) execution by Grantor and Grantee, or their respective successors and assigns, of a conveyance deed transferring the Easement Property to Grantee or Grantee's successors and assigns; or (b) Grantee's abandonment of the Easement. Upon occurrence of either of the events described in the foregoing, the Easement shall automatically terminate and be of no further force and effect without further action on the part of either Grantor or Grantee.

3. Non-Exclusiveness of Easement. The Easement is non-exclusive.

4. Grantee's Rights and Obligations. Grantee, and Grantee's successors and assigns, shall have the following rights and obligations with respect to the Easement, the Facilities, and the Easement Property:

(a) Grantee shall have all rights necessary or convenient for the construction, installation, operation, use, maintenance, repair, inspection, replacement, and restoration of the Facilities within the Easement Property pursuant to and in accordance with all applicable permits issued by the TCEQ, and all applicable laws, rules, regulations, permits, and ordinances of any federal, state, or local governmental authority exercising jurisdiction over the Facilities ("Applicable Laws");

(b) Grantee shall have the right to prevent construction or maintenance of any structures or improvements within the Easement Property that may endanger or materially interfere with the efficiency, safety, or operation of the Facilities, or otherwise unreasonably interfere with the use of the Easement by Grantee or Grantee's authorized agents or contractors. This provision shall not be construed to limit or restrict construction or maintenance of improvements that will not endanger or materially interfere with the efficiency, safety, or operation of the Facilities;

(c) Grantee shall have the right to reasonably trim trees or other vegetation within the Easement Property to the extent that Grantee, in its reasonable judgment, deems necessary to prevent interference with or hazard to the operation of the Facilities; and

(d) Grantee and its contractors, agents, and employees shall have free and unrestricted access to the Facilities and every part of the Easement Property, at all times for the purpose of exercising any rights hereunder, including but not limited to, maintenance and repair of the Facilities.

5. Grantor's Rights and Obligations. Grantor, and Grantor's successors and assigns, shall have the following rights and obligations with respect to the Easement, the Facilities, and the Easement Property:

(a) Subject to the agreements, terms, conditions, and covenants herein set forth, Grantor reserves and shall have the right to use the Easement Property for any and all purposes that do not materially interfere with the efficiency, safety, or operation of the Facilities, or otherwise materially interfere with the use of the Easement by Grantee; and

(b) Grantor agrees not to erect obstructions, fences, walls, or structures that restrict Grantee's use of the Easement Property. Grantee, or any holder of this Easement, will not be responsible or liable for the removal, repair, or damage to any property, structure or building located within the Easement Property which improvement or use is inconsistent with the rights conveyed to Grantee by this Easement. Grantor agrees and understands that any and all occupiable structures such as residential homes are strictly prohibited.

6. Permitted Encumbrances. The Easement is expressly granted subject to the rights of the owners of the mineral estate in the Easement Property, all encumbrances, restrictions, covenants, right-of-way, easements, oil and gas leases, mineral severances, and other matters of record in the county where the Easement is located, and all matters visible or apparent on the ground that a true and correct survey would reveal, to the extent that the same are in existence as of the date hereof.

7. Abandonment. In the event of abandonment of the Easement by Grantee or Grantee's successors and assigns, neither Grantor nor any of Grantor's successors and assigns shall have any obligation to restore the Easement Property disturbed by the exercise of the rights granted herein, and in particular shall have no obligation to operate, maintain or remove any of the Facilities. Grantee shall be responsible for removal of the Facilities and restoration of the Easement Property.

8. Assignment. The Easement and the rights of Grantee hereunder may be assigned only to a political subdivision of the State of Texas or other Texas governmental entity. An assignment to any other person or entity may be made with the prior written consent of Grantor. Any assignment of the Easement and the rights of Grantee hereunder must include an express assumption by the assignee of the obligations set forth herein.

9. Amendment or Modification. Any amendment or modification of this instrument must be in writing and duly executed and delivered by Grantor and Grantee, or their respective successors and assigns.

TO HAVE AND TO HOLD the Easement unto the said Grantee, and Grantee's successors and assigns, forever, or until terminated as provided herein, for the purposes stated herein; and Grantor does hereby bind itself and Grantor's successors and assigns to WARRANT AND FOREVER DEFEND all and singular the Easement and the rights herein granted unto Grantee and Grantee's successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, by, through, or under Grantor, but not otherwise.

[SIGNATURE AND ACKNOWLEDGEMENT PAGES FOLLOW]

GRANTOR:

05 RANCH INVESTMENTS, LLC,
a Texas limited liability company

By: Tiemann Legacy, LP,
a Texas limited partnership, Member

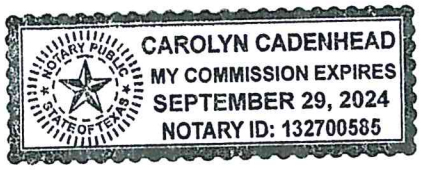
By: RT3 Management, LLC,
a Texas limited liability company, its General Partner

By: _____
Robert M. Tiemann, Manager

THE STATE OF TEXAS §
§
COUNTY OF TRAVIS §

This instrument was acknowledged before me on February 6, 2023, by Robert M. Tiemann, Manager of RT3 Management, LLC, a Texas limited liability company, General Partner of Tiemann Legacy, LP, a Texas limited liability company, Member of 05 Ranch Investments, LLC, a Texas limited liability company, on behalf of said companies and partnership.

(SEAL) _____
NOTARY PUBLIC



GRANTEE:

PRAIRIE CROSSING WASTEWATER, LLC,
a Texas limited liability company

By: Tiemann Land and Cattle Development, Inc.,
a Texas corporation, Manager

By: _____
Matthew R. Tiemann, President

THE STATE OF TEXAS §
§
COUNTY OF TRAVIS §

This instrument was acknowledged before me on February 3, 2023, by Matthew R. Tiemann as President of Tiemann Land and Cattle Development, Inc., a Texas corporation, Manager of Prairie Crossing Wastewater, LLC, a Texas limited liability company, on behalf of said corporation and company.

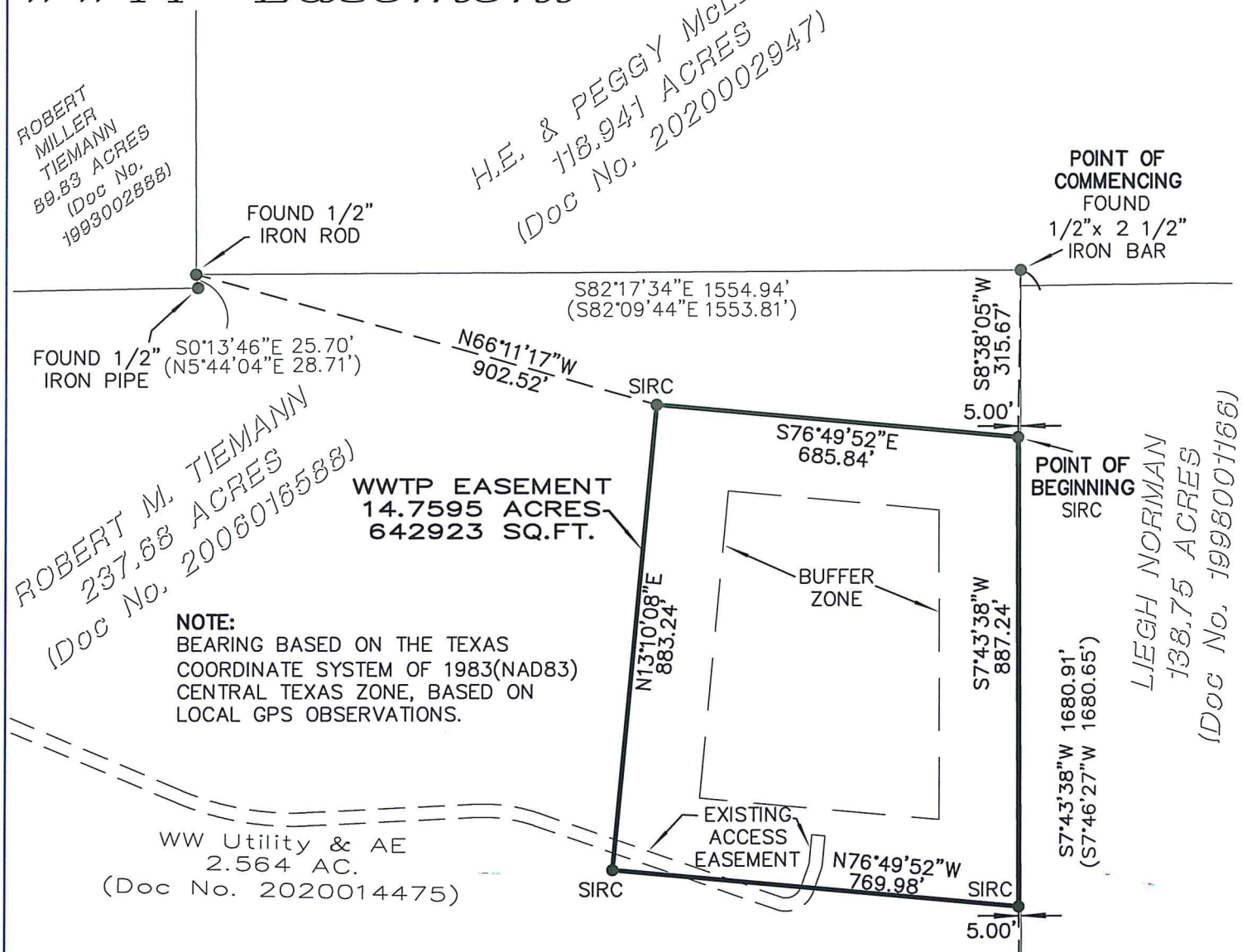
(SEAL)

CAROLYN CADENHEAD
MY COMMISSION EXPIRES
SEPTEMBER 29, 2024
NOTARY ID: 132700585

_____
NOTARY PUBLIC

EXHIBIT A

Waterloo Surveyors
WWTP Easement



NOTE:
BEARING BASED ON THE TEXAS COORDINATE SYSTEM OF 1983(NAD83) CENTRAL TEXAS ZONE, BASED ON LOCAL GPS OBSERVATIONS.

LEGAL DESCRIPTION:
BEING 14.7595 ACRES (642923 SQ.FT.) OF LAND, BEING A PART OF THE JOHN C. DUVAL SURVEY, ABSTRACT No. 177 AND THE JOHN A CROSBY SURVEY, ABSTRACT No. 149 AND BEING OUT OF THAT CERTAIN 237.68 ACRE TRACT DESCRIBED AND CONVEYED TO ROBERT M. TIEMANN BY DEED RECORDED IN DOCUMENT No. 2006016588, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 14.7595 ACRES BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS ATTACHED HEREON AND MADE A PART THEREOF.

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE FIELD NOTES AND ACCOMPANYING SKETCH WERE PREPARED FROM AN ACTUAL ON-THE-GROUND SURVEY UNDER MY DIRECT SUPERVISION AND THAT THEY ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Thomas P. Dixon R.P.L.S. 4324

STATE OF TEXAS REGISTERED THOMAS P. DIXON 4324 PROFESSIONAL LAND SURVEYOR

P.O. Box 160176, Austin, Texas 78716-0176 Phone: 481-9602 FIRM #10124400

WATERLOO SURVEYORS
PO BOX 160176
AUSTIN, TEXAS 78716-0176
Phone: 512-481-9602
www.waterloosurveyors.com
T.B.P.L.S. FIRM#10124400
A1098WWTP-Esmt
DRAWN BY: BOBO

January 26, 2023.

LEGAL DESCRIPTION:

BEING 14.7595 ACRES (642923 SQ.FT.) OF LAND, BEING A PART OF THE JOHN C. DUVAL SURVEY, ABSTRACT No. 177 AND THE JOHN A CROSBY SURVEY, ABSTRACT No. 149 AND BEING OUT OF THAT CERTAIN 237.68 ACRE TRACT DESCRIBED AND CONVEYED TO ROBERT M. TIEMANN BY DEED RECORDED IN DOCUMENT No. 2006016588, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, SAID 14.7595 ACRES BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS.

COMMENCING at a found 1/2"x2 1/2" iron bar for the NE corner of said Tiemann's 237.68 acre tract, being an interior el corner in the south line of that certain 118.941 acre tract conveyed to H.E. & Peggy McLean by deed recorded in Doc No. 2020002947, Official Public Records of Williamson County, Texas, from which a found axle for an angle point in the west line of that certain 138.75 acre tract conveyed to Liegh Norman by deed recorded in Doc No. 1998001166, Official Public Records of Williamson County, Texas, and the east line of said Tiemann's 237.68 acre tract bears S7°43'38"W at a distance of 1680.91 feet;

THENCE over and accross said Tiemann's 237.68 acres tract, the following five (5) calls:

1. S38°38'05"W for a ditance of 315.67 feet to a set capped iron rod stamped "Waterloo RPLS 4324" for the POINT OF BEGINNING and NE corner of this easement tract;
2. S7°43'38"W, running 5.00 feet off of and perallel to the common line with said Noman's 138.75 acre tract, for a distance of 887.24 feet to a set capped iron rod stamped "Waterloo RPLS 4324" for the SE corner of this easement tract, from which the aforementioned found axle for an angle point in the west line of said Norman's 138.75 acre tract bears S7°07'41"W at a distance of 478.07 feet;
3. N76°49'52"W for a distance of 769.98 feet a set capped iron rod stamped "Waterloo RPLS 4324" for the SW corner of this easement tract;
4. N13°10';08"E for a distance of 883.24 feet to a set capped iron rod stamped "Waterloo RPLS 4324" for the NW corner of this easement tract, from which a found 1/2" iron rod for the SW corner of the aforementioned McLean tract, being in the east line of that certain 89.83 acre tract conveyed to Robert Miller Tiemann by deed recorded in Doc No. 1993002888, Official Public Records of Williamson County, Texas, bears N66°11'17"W at a distance of 902.52 feet;
5. S76°49'52"E for a distance of 685.84 feet to the POINT OF BEGINNING, containing 14.7595 acres, more or less.

BEARING BASED ON THE TEXAS COORDINATE SYSTEM OF 1983(NAD83) CENTRAL TEXAS ZONE, BASED ON LOCAL GPS OBSERVATIONS.

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE FIELD NOTES AND ACCOMPANYING SKETCH WERE PREPARED FROM AN ACTUAL ON-THE-GROUND SURVEY UNDER MY DIRECT SUPERVISION AND THAT THEY ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Thomas P. Dixon R.P.L.S. 4324

STATE OF TEXAS
REGISTERED
THOMAS P. DIXON
4324
PROFESSIONAL
LAND SURVEYOR

LENDER ACKNOWLEDGEMENT AND CONSENT:

The undersigned lender and holder of a lien on the property described in the foregoing Wastewater Treatment Plant Property Boundary and Buffer Zone Easements hereby consents to the granting of the Easement and agrees that foreclosure of the lien rights or deed in lieu thereof shall not have any effect on the rights of Grantee under the Wastewater Treatment Plant Property Boundary and Buffer Zone Easements.

AGREED AND ACCEPTED effective February 1, 2023.

Equitable Financial Life Insurance Company

By: _____

Its: Stephen Noonan, Investment Officer

THE STATE OF ~~TEXAS~~ Iowa §
§
COUNTY OF Linn §

This instrument was acknowledged before me on February 1, 2023, by Stephen Noonan as Investment Officer of Equitable Financial Life Insurance Company.

(SEAL) _____
NOTARY PUBLIC

PAM KEILHOLTZ
Commission Number 805211
My Commission Expires
July 06, 2023

_____
Notary Public, State of Iowa

After Recording Return To:
21100 Carries Ranch Road
Pflugerville, Texas 78660

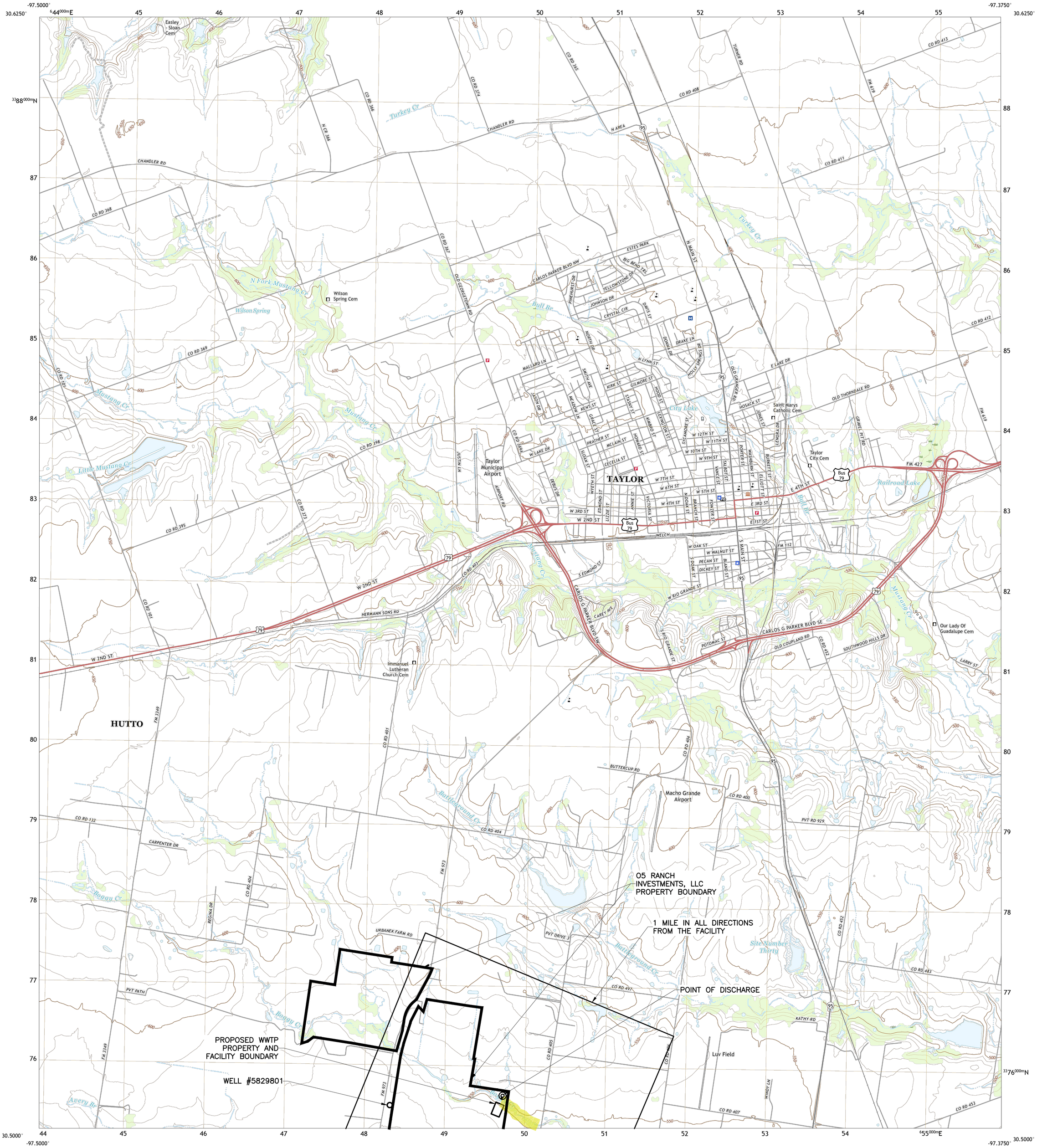
ATTACHMENT D

Property and Plant Boundaries, Discharge Point and Route, 1 mile radius and 3 miles downstream (USGS Quadrangles Taylor, TX)

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

The National Map US Topo

TAYLOR QUADRANGLE
TEXAS - WILLIAMSON COUNTY
7.5-MINUTE SERIES



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

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

Imagery.....NAIP, September 2016 - November 2016
Roads..... U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 2000 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2020
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

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

MN
GN
3°33′ 63 MILS
0°48′ 14 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Weir
2 Granger
3 Granger Lake
4 Hutto
5 Thrall
6 Pflugerville East
7 Coupland
8 Structure

ADJOINING QUADRANGLES

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

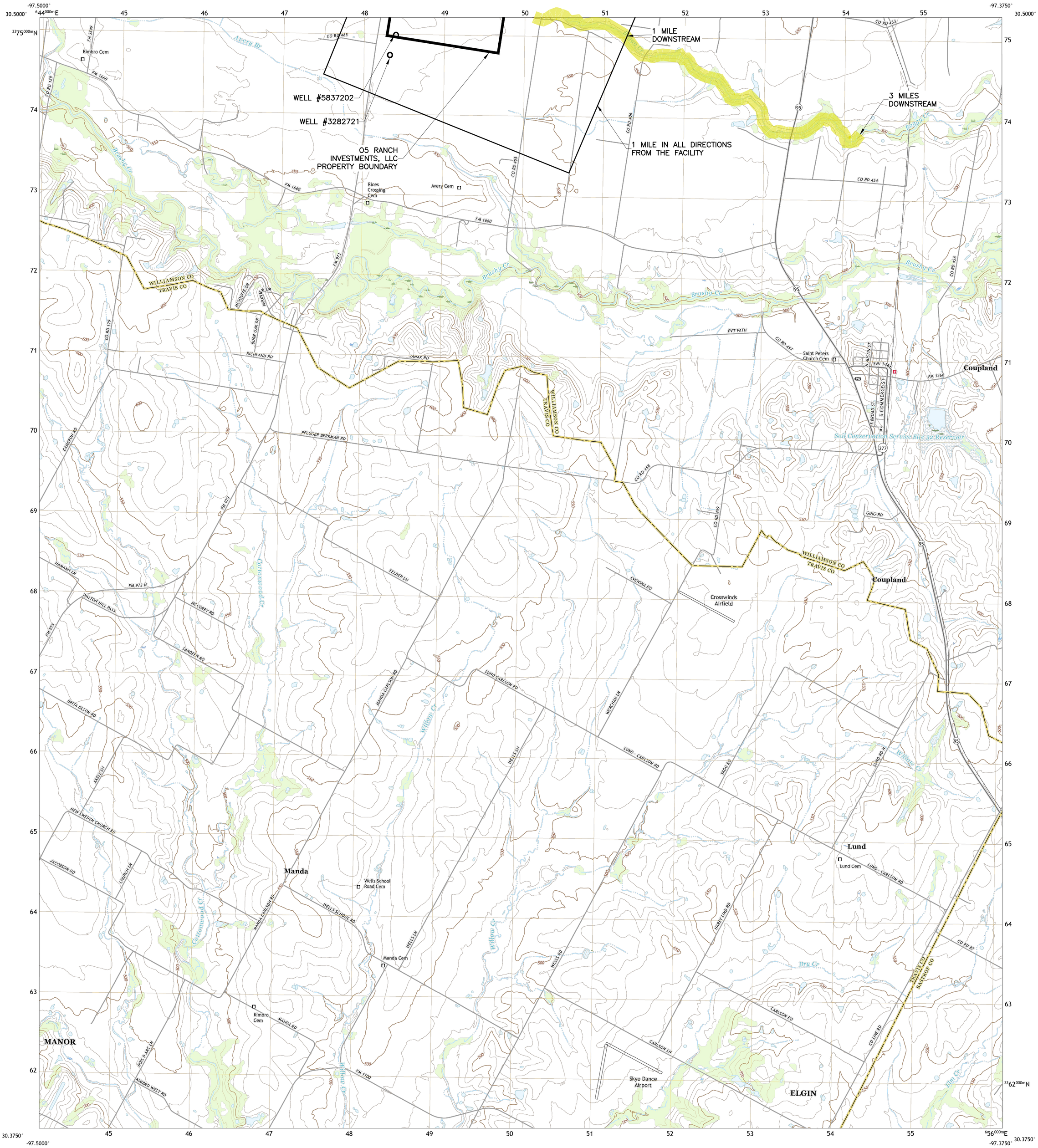
NSN 7643016398533
NGA REF NO.USGSX24K44365

TAYLOR, TX
2022

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

The National Map US Topo

COUPLAND QUADRANGLE
TEXAS
7.5-MINUTE SERIES



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

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

Imagery.....NAIP, September 2016 - November 2016
Roads..... U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2000 - 2020
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

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

MN
GN
3°33′
63 MILS
0°48′
14 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

SCALE 1:24 000

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Hutto
2 Taylor
3 Thrall
4 Pflugerville East
5 Structure
6 Manor
7 Elgin West
8 Elgin East

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

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

COUPLAND, TX
2022

NSN 7643016395679
NGA REF NO.USGSX24K10364

ATTACHMENT E

SPIF – PROJECT BOUNDARY, GENERAL LOCATION AND 1 MILE DOWNSTREAM (USGS QUADRANGLES Taylor, TX)

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 or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Prairie Crossing Wastewater, LLC

   Permit No. WQ00 15850001 EPA ID No. TX 0139866

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

   The wastewater treatment plant is located approximately 5,300 ft. Northeast of the intersection of FM 973 & CR 485 in the ETJ of Taylor, TX.

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

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

First and Last Name: Matthew Tiemann

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text.

Title: General Manager

Mailing Address: 21100 Carries Ranch Road

City, State, Zip Code: Pflugerville, TX 78660

Phone No.: 512-990-1933 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: mtiemann@tlcdevelopment.com

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

Property Owner: 05 Ranch Investments, LLC

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

The discharge will flow from the plant site via pipe or channel to the discharge point at Boggy Creek. The discharge is directly into Boggy Creek, which flows to Brushy Creek, Segment 1244.

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):

The proposed construction is anticipated to impact approximately 14.7 ac. (area of Wastewater Treatment Plant Property Boundary). Existing vegetation and brush are anticipated to be removed. The depth of excavation is anticipated to be a maximum of 15 feet. Cave and/or other Karst features are not known to be present on site.

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

The existing site is an empty tract that has been used for farming and/or grazing.

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:

N/A

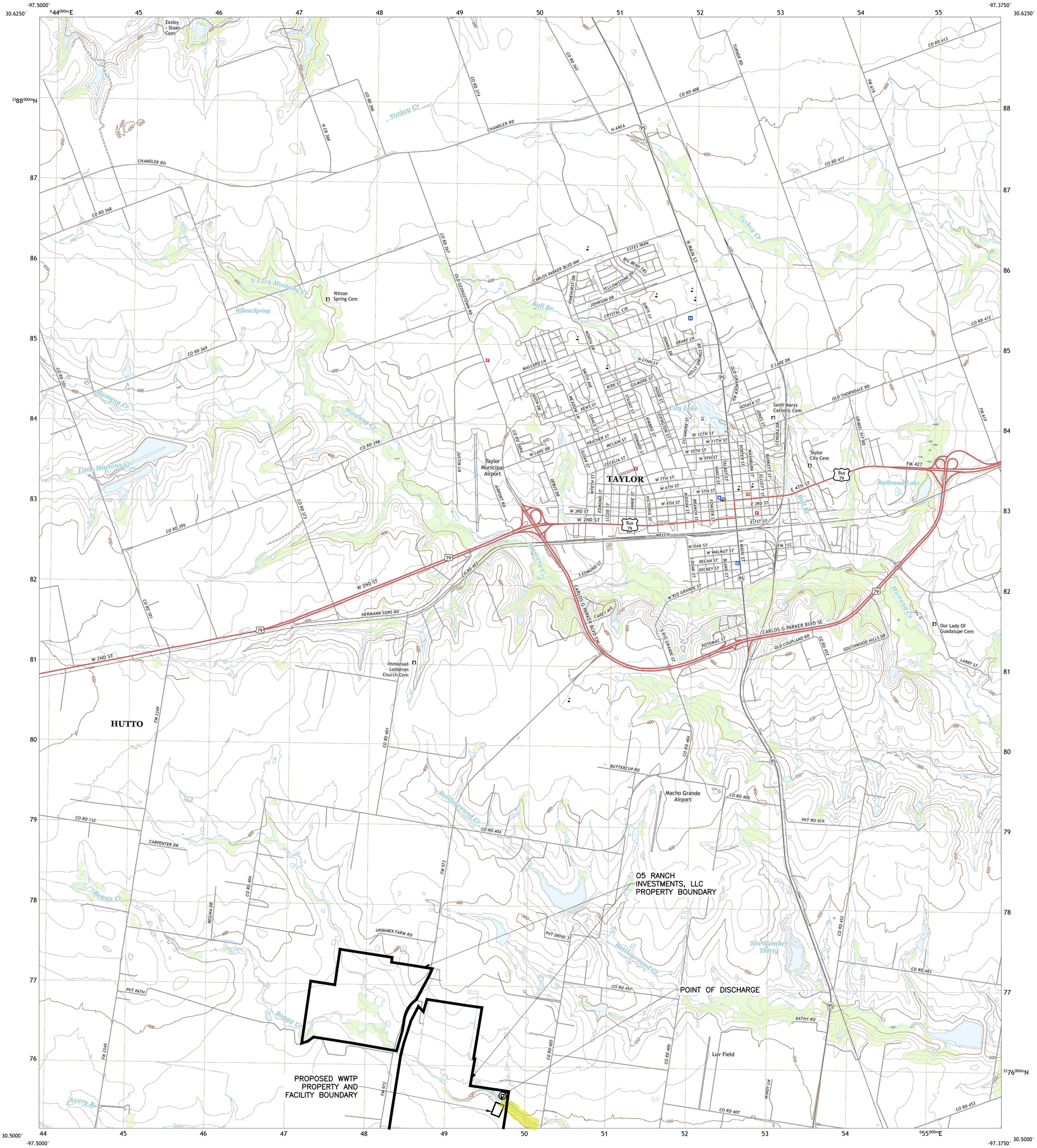
4. Provide a brief history of the property, and name of the architect/builder, if known.

N/A

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

The National Map US Topo

TAYLOR QUADRANGLE
TEXAS - WILLIAMSON COUNTY
7.5-MINUTE SERIES



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

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

Imagery.....NAIP, September 2016 - November 2016
Roads..... U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 2000 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2020
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

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

MN
GN
3°33′ 63 MILS
0°48′ 14 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Weir
2 Granger
3 Granger Lake
4 Hutto
5 Thrall
6 Pflugerville East
7 Coupland
8 Structure

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

TAYLOR, TX
2022

NSN 7643016398533
NGA REF NO.USGSX24K44365

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

The National Map US Topo

COUPLAND QUADRANGLE
TEXAS
7.5-MINUTE SERIES

-97.5000° 644000mE 45 46 47 48 49 50 51 52 53 54 55 -97.3750°
30.5000° 3375000mN 30.5000°

O5 RANCH INVESTMENTS, LLC PROPERTY BOUNDARY
1 MILE DOWNSTREAM

Kimbro Cem
Rices Crossing Cem
Avery Cem
Saint Peters Church Cem
Crosswinds Airfield
Soil Conservation Service Site 32 Reservoir
Wells School Road Cem
Manda Cem
Kimbro Cem
Lund Cem
Skye Dance Airport

Coupland
Manda
MANOR
ELGIN
Lund

Avery Br
Brushy Cr
Boggy Cr
Cottonwood Cr
Willow Cr
Dry Cr
Elm Cr

FM 3349 FM 1660 FM 973 FM 973 N FM 1100 FM 1466
CO RD 129 CO RD 485 CO RD 405 CO RD 406 CO RD 453 CO RD 454 CO RD 456 CO RD 457 CO RD 458 CO RD 459 CO RD 87
95 277

WILLIAMSON CO
TRAVIS CO
TRAVIS CO
BASTROP CO

BURR OAK DR
RICHLAND RD
JANAK RD
PFLUGER BERKMAN RD
CAMERON RD
HAMANN LN
WALTON HILL PASS
MCCURRY RD
SANDEEN RD
BRITA OLSON RD
AXELL LN
NEW SWEDEN CHURCH RD
JACOBSON RD
CHURCH LN
BOIS D ARC LN
KIMBRO WEST RD
MANDA RD
MANDA CARLSON RD
WELLS SCHOOL RD
WELLS LN
WELLS RD
FELDER LN
SVENSKA RD
LUND CARLSON RD
LUND - CARLSON RD
WERCHAN LN
SKOG RD
HARRY LIND RD
CARLSON RD
CARLSON LN
CO LINE RD
LUND RD N
GING RD
PVT PATH
MESQUITE DR
PARKVIEW DR
BURR OAK DR
N AUSTIN ST
S BROAD ST
S COMMERCE ST

30.3750° -97.5000° 45 46 47 48 49 50 51 52 53 54 55 6456000mE -97.3750° 30.3750°
75 74 73 72 71 70 69 68 67 66 65 64 63 62 3362000mN

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

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

Imagery.....NAIP, September 2016 - November 2016
Roads..... U.S. Census Bureau, 2015 - 2019
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2000 - 2020
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

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

MN
GN
3°33′ 63 MILS
0°48′ 14 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Hutto
2 Taylor
3 Thrall
4 Pflugerville East
5 Structure
6 Manor
7 Elgin West
8 Elgin East
ADJOINING QUADRANGLES

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

COUPLAND, TX
2022

NSN 7643016395679
NGA REF NO.USGSX24K10364

ATTACHMENT F

TREATMENT PROCESS DESCRIPTION

Attachment F

DESCRIPTION OF TREATMENT PROCESSES

Permit Renewal– Prairie Crossing
Wastewater Treatment Plant

Domestic Technical Report 1.0, Section 2.A.

Three phases are proposed for the new wastewater treatment plant (WWTP). All three phases of the proposed plant will implement a conventional wastewater treatment process via headworks manual bar screen, aeration basins, secondary clarification, tertiary filtration, sludge holding basins, and ultraviolet (UV) disinfection or chlorine contact basin. The number and size of the individual treatment units change between each phase.

Phase I - (0.25 mgd):
Phase I will include an on-site influent lift station with submersible pumps, a new control/blower building, emergency generator, headworks manual bar screen, bull's-eye tank with aeration, clarification, tertiary filters, chlorine contact basin, and sludge holding basin. Solids will be wasted to a sludge holding basin. Sludge will be processed and ultimately be disposed of at a TCEQ-permitted sludge processing facility or sanitary landfill. It should be noted here that connections will be provided on the sludge holding basin to allow wet hauling of partially processed sludge for final stabilization at a third party sludge processing facility. Phase I will include a non-potable water pumping system for on-site water uses, access roads, overhead power, and new outfall pipe to the creek.

Phase II (0. 50 mgd):
During this phase, an additional bull's-eye tank treatment train including a flow splitter box, aeration, clarification, tertiary filters, chlorine contact basin, and sludge holding basin will be constructed to provide a total capacity of 0.50 mgd. The 0.50 mgd plant will utilize the existing on-site influent lift station to drain basins. Similarly, this interim phase will expand the existing blower capacity located in the Phase I blower building. Associated piping modifications to route the flow through the plant will be required. Sludge will be processed and ultimately be disposed of at a TCEQ-permitted sludge processing facility or sanitary landfill. It should be noted here that connections will be provided on the sludge holding basin to allow wet hauling of partially processed sludge for final stabilization at a third-party sludge processing facility.

Phase III (4.5 mgd):
This phase will include additional on-site influent lift station capacity with submersible pumps, new mechanically cleaned fine bar screens with compactors at a new headworks facility, a new manually cleaned auxiliary bar screen in the emergency bypass channel, four new aeration basins, three new clarifiers, new tertiary disk filter basins, new banks of ultraviolet disinfection modules sized for 18 mgd peak flow, a new post-aeration basin, new return activated sludge and waste activated sludge pumping stations, four new aerated sludge holding basins, a new biosolids dewatering building with centrifuges. The existing bull's-eye tanks from phase I and phase II will be converted into thickener basins with associated piping modifications. All surface runoff from these operations will be collected and pumped back to the headworks of the plant for additional treatment. Waste activated sludge will be sent to the centrifuges for dewatering the sludge. Sludge will be disposed of at a permitted landfill.

ATTACHMENT G

PROCESS DESIGN CALCULATIONS AND TREATMENT UNIT DIMENSIONS

PHASE I

PROCESS DESIGN CALCULATIONS FOR WASTEWATER TREATMENT PLANT USING TCEQ CHAPTER 217 DESIGN CRITERIA

PROJECT:	Prairie Crossing WWTP
SCENARIO:	0.25 MGD (Phase I)
DATE:	August 6, 2025

A. BASIC DESIGN DATA:

These process calculations are based on Texas Commission on Environmental Quality (TCEQ) criteria, where applicable, or current recommendations contained in the WEF Manual of Practice No. 8, Design of Municipal Wastewater Treatment Plants. The source of each criterium is shown in parenthesis.

BOD concentration is based on TCEQ Chapter 217 critieria

Shaded cells are project-specific design input parameters.

Avg. Annual Flow:	0.250	MGD
Peak Flow:	1.000	MGD
Influent BOD:	300	mg/l
BOD Load @ Design Flow:		
= (Design Flow)(Influent BOD)(8.34# BOD/MG H2O)		
=	626	LBS/DAY
Estimated Sludge Production:	70%	(LBS/DAY)/(LB OF BOD APPLIED/DAY)
Est. Waste Sludge Solids Concentration:	10,000	mg/l
Est. Waste Sludge Solids Concentration:	*0.99*	*% solids*
Max. MLSS @ Peak Flow:	3,000	mg/l (May control clarifier size)

B. AERATION BASINS:

SINGLE STAGE NITRIFICATION:

Organic Loading:	35	Lbs BOD/Day/1,000 Cu Ft (TCEQ)
Air Flow Rate:	3,200	SCFM/# BOD/Day (TCEQ)

Required Volume:
= (BOD load @ Design Flow)/(Organic Loading)
= **17,871** Cu Ft

Required Air Flow:
= (BOD Load @ Design Flow)(Air Flow Rate)
= **1,390** SCFM

C. CLARIFIER (HOPPER BOTTOM):

DESIGN PARAMETERS:

Maximum Surface Loading Rates:		
@ Peak Flow:	1,200	GPD/SF (< TCEQ)
Minimum Detention Time:		
@ Peak Flow:	1.8	Hrs (> TCEQ)
Sludge Underflow Rates:		
Max.:	400	GPD/SF (TCEQ)
Min.:	200	GPD/SF (TCEQ)
Min. Sidewater Depth:	8	Ft unless suface area exceeds 300 SF, then
	10	Ft is the minimum sidewater depth (TCEQ)

SURFACE AREA CALCULATIONS:

Area by Surface Loadings (return flows are not included):
@ Peak Flow:
= (Peak Flow)(1,000,000 GPD/MGD)/(Max. Surface Loading Rate)
= **833** SF

VOLUME/SIDE WATER DEPTH CALCULATIONS:

Detention time calculations do not include return (recycle) flows and are based on effective basin volume (sidewater depth less 2 ft sludge blanket depth per TCEQ criteria for a flat bottom clarifier).

@ Peak Flow:
= {[(Peak Flow)/(24 Hr/Day)]*(Peak Flow Detention Time)}*
(133,700 Cu Ft/MG)
= **10,028** Cu Ft

Minimum Sidewater Depth Based on Volume:
= (Volume/Area)
= 12.03 Ft
Controlling Minimum Sidewater Depth:
= Greater of mimimum SWD per TCEQ Criteria or mimimum SWD based on volume
= **12.03** Ft

RETURN SLUDGE PUMPING CALCULATIONS:

Return Sludge Pumping Rates:
@ Minimum Sludge Pumping Rate:
= (Minimum Sludge Underflow Rate)(Controlling Area)/(1,440 Min/Day)
= **116** GPM
@ Maximum Sludge Pumping Rate:
= (Maximum Sludge Underflow Rate)(Controlling Area)/(1,440 Min/Day)
= **231** GPM

D. CHLORINE CONTACT BASIN:

Required Detention Tiime
@ Peak Flow 20 Min (TCEQ)

Volume Required:
={[(Peak Flow)/(1,440 Min/Day)](Peak Flow Detentions Time)}x
(133700 Cu Ft/MG)
= **1857** Cu-Ft

Aeration
Design Aeration Rate 25 scfm / 1000 cu ft
Aeration Required
=Volume Required * Design Aeration Rate
= **46** scfm

E. TERTIARY FILTERS:

Proposed tertiary filtration using automatically cleaned rotating cloth media disk filters will be constructed. 3 individual disks will be in one basin with a total capacity of 1.5 mgd. Firm capacity is provided with this system by taking one disk on the carousel (equal to 0.50 mgd peak flow) out of service. Firm capacity will be 1.0 mgd.

F. SLUDGE HOLDING BASIN:

SLUDGE PRODUCTION:
Sludge Production at Design Flow:
= (Design Flow)(Influent BOD)(Estimated Sludge Production)(8.34 lb/gal)
= **438** LBS/DAY

Avg. Influent BOD	300	mg/l
% Solids	2%	
Required Retention Time	40	days

PHASE I

Volume Required: 351 Cu Ft/day

14,036 Cu-Ft

Air Flow Rate: 30 SCFM/1,000 Cu Ft (TCEQ)

Air Flow Required:
= (Volume Required)(Air Flow Rate)
= **421** SCFM

G. SUMMARY OF PROCESS CALCULATIONS:

PROCESS UNIT	REQUIRED VOLUME (CU FT)	REQUIRED SURFACE AREA (SF)	REQUIRED AIR FLOW (SCFM)	PROVIDED VOLUME OR SURFACE AREA
Activated Sludge Units:				
Single Stage Nitrification	17,871	N.A.	1,390	17,871
Clarifier (Volume)	10,028	N.A.	N.A.	10,664
Clarifier (Area)	N.A.	833	N.A.	804
Tertiary Filters	N.A.	N.A.	N.A.	N.A.
Chlorine Disinfection	1,857	N.A.	N.A.	1,857
Sludge Holding Basin	14,036	N.A.	421	14,036
Estimated Total Plant Blower Requirements:*				
Single Stage Nitrification			1,902	

*Estimated blower capacity includes aeration requirements for activated sludge plus a 5% allowance for ancillary air requirements including return sludge air lift pumps.

H. SUMMARY OF TREATMENT UNIT DIMENSIONS

PROCESS UNIT	# of Units (EA)	Length (FT)	Width (FT)	Depth (FT)
Aeration Basin	1			14.50
Clarifier	1	32.00	ft diameter	13.26
Tertiary Filter (3 disks)	1			9.50
Chlorine Contact	1			11.18
Sludge Holding Basin	1			14.50
Bull's Eye	1	67.05	ft diameter	

PHASE II

PROCESS DESIGN CALCULATIONS FOR WASTEWATER TREATMENT PLANT USING TCEQ CHAPTER 217 DESIGN CRITERIA

PROJECT:	Prairie Crossing WWTP
SCENARIO:	0.5 MGD (Phase II)
DATE:	August 6, 2025

A. BASIC DESIGN DATA:

These process calculations are based on Texas Commission on Environmental Quality (TCEQ) criteria, where applicable, or current recommendations contained in the WEF Manual of Practice No. 8, Design of Municipal Wastewater Treatment Plants. The source of each criterium is shown in parenthesis.

BOD concentration is based on TCEQ Chapter 217 critieria

Shaded cells are project-specific design input parameters.

Avg. Annual Flow:	0.500	MGD
Peak Flow:	2.000	MGD
Influent BOD:	300	mg/l
BOD Load @ Design Flow:		
= (Design Flow)(Influent BOD)(8.34# BOD/MG H2O)		
=	1251	LBS/DAY
Estimated Sludge Production:	70%	(LBS/DAY)/(LB OF BOD APPLIED/DAY)
Est. Waste Sludge Solids Concentration:	10,000	mg/l
Est. Waste Sludge Solids Concentration:	*0.99*	*% solids*
Max. MLSS @ Peak Flow:	3,000	mg/l (May control clarifier size)

B. AERATION BASINS:

SINGLE STAGE NITRIFICATION:

Organic Loading:	35	Lbs BOD/Day/1,000 Cu Ft (TCEQ)
Air Flow Rate:	3,200	SCFM/# BOD/Day (TCEQ)

Required Volume:
= (BOD load @ Design Flow)/(Organic Loading)
= **35,743** Cu Ft

Required Air Flow:
= (BOD Load @ Design Flow)(Air Flow Rate)
= **2,780** SCFM

C. CLARIFIER (HOPPER BOTTOM):

DESIGN PARAMETERS:

Maximum Surface Loading Rates:		
@ Peak Flow:	1,200	GPD/SF (< TCEQ)
Minimum Detention Time:		
@ Peak Flow:	1.8	Hrs (> TCEQ)
Sludge Underflow Rates:		
Max.:	400	GPD/SF (TCEQ)
Min.:	200	GPD/SF (TCEQ)
Min. Sidewater Depth:	8	Ft unless suface area exceeds 300 SF, then
	10	Ft is the minimum sidewater depth (TCEQ)

SURFACE AREA CALCULATIONS:

PHASE II

Area by Surface Loadings (return flows are not included):
@ Peak Flow:
= (Peak Flow)(1,000,000 GPD/MGD)/(Max. Surface Loading Rate)
= **1,667** SF

VOLUME/SIDE WATER DEPTH CALCULATIONS:

Detention time calculations do not include return (recycle) flows and are based on effective basin volume (sidewater depth less 2 ft sludge blanket depth per TCEQ criteria for a flat bottom clarifier).

@ Peak Flow:
= {[(Peak Flow)/(24 Hr/Day)]*(Peak Flow Detention Time)}*
(133,700 Cu Ft/MG)
= **20,055** Cu Ft

Minimum Sidewater Depth Based on Volume:
= (Volume/Area)
= 12.03 Ft
Controlling Minimum Sidewater Depth:
= Greater of mimimum SWD per TCEQ Criteria or mimimum SWD based on volume
= **12.03** Ft

RETURN SLUDGE PUMPING CALCULATIONS:

Return Sludge Pumping Rates:
@ Minimum Sludge Pumping Rate:
= (Minimum Sludge Underflow Rate)(Controlling Area)/(1,440 Min/Day)
= **231** GPM
@ Maximum Sludge Pumping Rate:
= (Maximum Sludge Underflow Rate)(Controlling Area)/(1,440 Min/Day)
= **463** GPM

D. CHLORINE CONTACT BASIN:

Required Detention Tiime
@ Peak Flow 20 Min (TCEQ)

Volume Required:
={[(Peak Flow)/(1,440 Min/Day)](Peak Flow Detentions Time)}x
(133700 Cu Ft/MG)
= **3714** Cu-Ft

Aeration
Design Aeration Rate 25 scfm / 1000 cu ft
Aeration Required
=Volume Required * Design Aeration Rate
= **93** scfm

E. TERTIARY FILTERS:

Proposed tertiary filtration using automatically cleaned rotating cloth media disk filters will be constructed. 3 individual disks will be in one basin with a total capacity of 1.5 mgd. Firm capacity is provided with this system by taking one disk on the carousel (equal to 0.50 mgd peak flow) out of service. Firm capacity will be 1.0 mgd.

F. SLUDGE HOLDING BASIN:

SLUDGE PRODUCTION:
Sludge Production at Design Flow:
= (Design Flow)(Influent BOD)(Estimated Sludge Production)(8.34 lb/gal)
= **876** LBS/DAY

Avg. Influent BOD	300	mg/l
% Solids	2%	
Required Retention Time	40	days

PHASE II

Volume Required: 702 Cu Ft/day

28,073 Cu-Ft

Air Flow Rate: 30 SCFM/1,000 Cu Ft (TCEQ)

Air Flow Required:
= (Volume Required)(Air Flow Rate)
= **842** SCFM

G. SUMMARY OF PROCESS CALCULATIONS:

PROCESS UNIT	REQUIRED VOLUME (CU FT)	REQUIRED SURFACE AREA (SF)	REQUIRED AIR FLOW (SCFM)	PROVIDED VOLUME OR SURFACE AREA
Activated Sludge Units:				
Single Stage Nitrification	35,743	N.A.	2,780	35,743
Clarifier (Volume)	20,055	N.A.	N.A.	21,329
Clarifier (Area)	N.A.	1,667	N.A.	1,608
Tertiary Filters	N.A.	N.A.	N.A.	N.A.
Chlorine Disinfection	3,714	N.A.	N.A.	3,714
Sludge Holding Basin	28,073	N.A.	842	28,073
Estimated Total Plant Blower Requirements:*				
Single Stage Nitrification			3,803	

*Estimated blower capacity includes aeration requirements for activated sludge plus a 5% allowance for ancillary air requirements including return sludge air lift pumps.

I. SUMMARY OF TREATMENT UNIT DIMENSIONS

PROCESS UNIT	# of Units (EA)	Length (FT)	Width (FT)	Depth (FT)
Aeration Basin	2			14.50
Clarifier	2	32.00	ft diameter	13.26
Tertiary Filter (3 disks)	2			9.50
Chlorine Contact	2			11.18
Sludge Holding Basin	2			14.50
Bull's Eye	2	67.05	ft diameter	

PHASE III

PROCESS DESIGN CALCULATIONS FOR WASTEWATER TREATMENT PLANT USING TCEQ CHAPTER 217 DESIGN CRITERIA

PROJECT:	Prairie Crossing WWTP
SCENARIO:	4.5 MGD (Phase III)
DATE:	August 6, 2025

A. BASIC DESIGN DATA:

These process calculations are based on Texas Commission on Environmental Quality (TCEQ) criteria, where applicable, or current recommendations contained in the WEF Manual of Practice No. 8, Design of Municipal Wastewater Treatment Plants. The source of each criterium is shown in parenthesis.

BOD concentration is based on TCEQ Chapter 217 critieria

Shaded cells are project-specific design input parameters.

Avg. Annual Flow:	4.500	MGD
Peak Flow:	18.000	MGD
Influent BOD:	300	mg/l
BOD Load @ Design Flow:		
= (Design Flow)(Influent BOD)(8.34# BOD/MG H2O)		
=	11259	LBS/DAY
Estimated Sludge Production:	70%	(LBS/DAY)/(LB OF BOD APPLIED/DAY)
Est. Waste Sludge Solids Concentration:	10,000	mg/l
Est. Waste Sludge Solids Concentration:	*0.99*	*% solids*
Max. MLSS @ Peak Flow:	3,000	mg/l (May control clarifier size)

B. AERATION BASINS:

SINGLE STAGE NITRIFICATION:

Organic Loading:	35	Lbs BOD/Day/1,000 Cu Ft (TCEQ)
Air Flow Rate:	3,200	SCFM/# BOD/Day (TCEQ)

Required Volume:
= (BOD load @ Design Flow)/(Organic Loading)
= **321,686** Cu Ft

Required Air Flow:
= (BOD Load @ Design Flow)(Air Flow Rate)
= **25,020** SCFM

C. CLARIFIER (HOPPER BOTTOM):

DESIGN PARAMETERS:

Maximum Surface Loading Rates:		
@ Peak Flow:	1,200	GPD/SF (< TCEQ)
Minimum Detention Time:		
@ Peak Flow:	1.8	Hrs (> TCEQ)
Sludge Underflow Rates:		
Max.:	400	GPD/SF (TCEQ)
Min.:	200	GPD/SF (TCEQ)
Min. Sidewater Depth:	8	Ft unless suface area exceeds 300 SF, then
	10	Ft is the minimum sidewater depth (TCEQ)

SURFACE AREA CALCULATIONS:

PHASE III

Area by Surface Loadings (return flows are not included):
@ Peak Flow:
= (Peak Flow)(1,000,000 GPD/MGD)/(Max. Surface Loading Rate)
= **15,000** SF

VOLUME/SIDE WATER DEPTH CALCULATIONS:

Detention time calculations do not include return (recycle) flows and are based on effective basin volume (sidewater depth less 2 ft sludge blanket depth per TCEQ criteria for a flat bottom clarifier).

@ Peak Flow:
= {[(Peak Flow)/(24 Hr/Day)]*(Peak Flow Detention Time)}*
(133,700 Cu Ft/MG)
= **180,495** Cu Ft

Minimum Sidewater Depth Based on Volume:
= (Volume/Area)
= 12.03 Ft
Controlling Minimum Sidewater Depth:
= Greater of mimimum SWD per TCEQ Criteria or mimimum SWD based on volume
= **12.03** Ft

RETURN SLUDGE PUMPING CALCULATIONS:

Return Sludge Pumping Rates:
@ Minimum Sludge Pumping Rate:
= (Minimum Sludge Underflow Rate)(Controlling Area)/(1,440 Min/Day)
= **2,083** GPM
@ Maximum Sludge Pumping Rate:
= (Maximum Sludge Underflow Rate)(Controlling Area)/(1,440 Min/Day)
= **4,167** GPM

D. SLUDGE HOLDING BASIN:

SLUDGE PRODUCTION:
Sludge Production at Design Flow:
= (Design Flow)(Influent BOD)(Estimated Sludge Production)(8.34 lb/gal)
= **7,881** LBS/DAY

Avg. Influent BOD	300	mg/l
% Solids	2%	
Required Retention Time	40	days

PHASE III

Volume Required: 6,316 Cu Ft/day

252,657 Cu-Ft

Air Flow Rate: 30 SCFM/1,000 Cu Ft (TCEQ)

Air Flow Required:
= (Volume Required)(Air Flow Rate)
= **7,580** SCFM

E. SUMMARY OF PROCESS CALCULATIONS:

PROCESS UNIT	REQUIRED VOLUME (CU FT)	REQUIRED SURFACE AREA (SF)	REQUIRED AIR FLOW (SCFM)	PROVIDED VOLUME OR SURFACE AREA
Activated Sludge Units:				
Single Stage Nitrification	321,686	N.A.	25,020	324,000
Clarifier (Volume)	180,495	N.A.	N.A.	226,195
Clarifier (Area)	N.A.	15,000	N.A.	15,080
Sludge Holding Basin	252,657	N.A.	7,580	259,200
Tertiary Filters	NA	NA	NA	NA
UV Disinfection Bank	NA	NA	NA	NA
Cascade Aerator	NA	NA	NA	NA
Sludge Dewatering	NA	NA	NA	NA
Estimated Total Plant Blower Requirements:*				
Single Stage Nitrification			34,230	

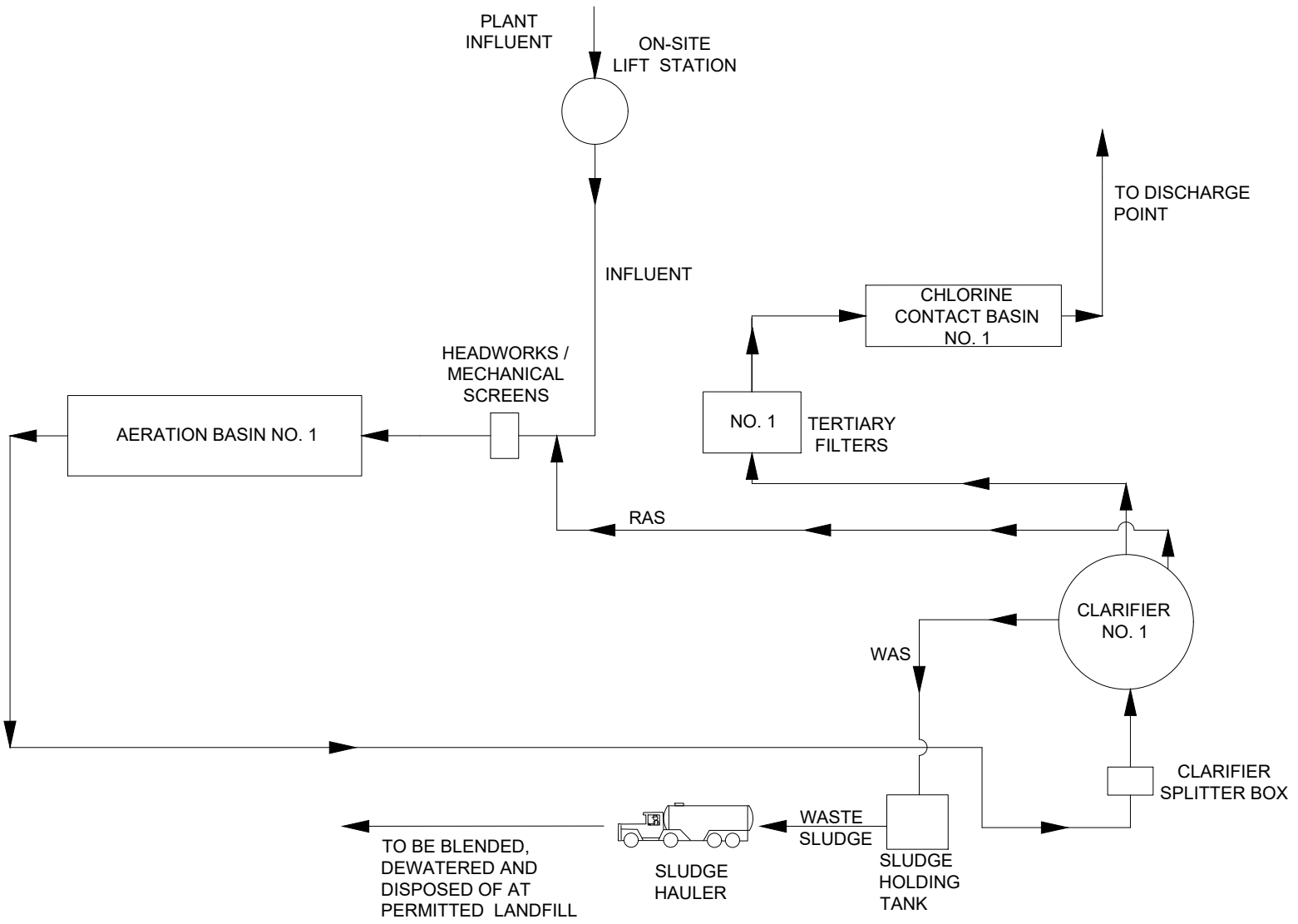
*Estimated blower capacity includes aeration requirements for activated sludge plus a 5% allowance for ancillary air requirements including return sludge air lift pumps.

F. SUMMARY OF TREATMENT UNIT DIMENSIONS

PROCESS UNIT	# of Units (EA)	Length (FT)	Width (FT)	Depth (FT)
Aeration Basin	4	120.00	45.00	15.00
Clarifier	3	80.00	ft diameter	15.00
Sludge Holding Basin	4	120.00	36.00	15.00
Thickener	2	67.05	ft diameter	
UV Disinfection Bank	2	6 modules per bank with total of 12 modules		
Cascade Aerator	1	27.00	10.00	9.00
Sludge Dewatering	Two Centrifuges inside a two story building; 32 ft by 60 ft			

ATTACHMENT H

FLOW DIAGRAMS



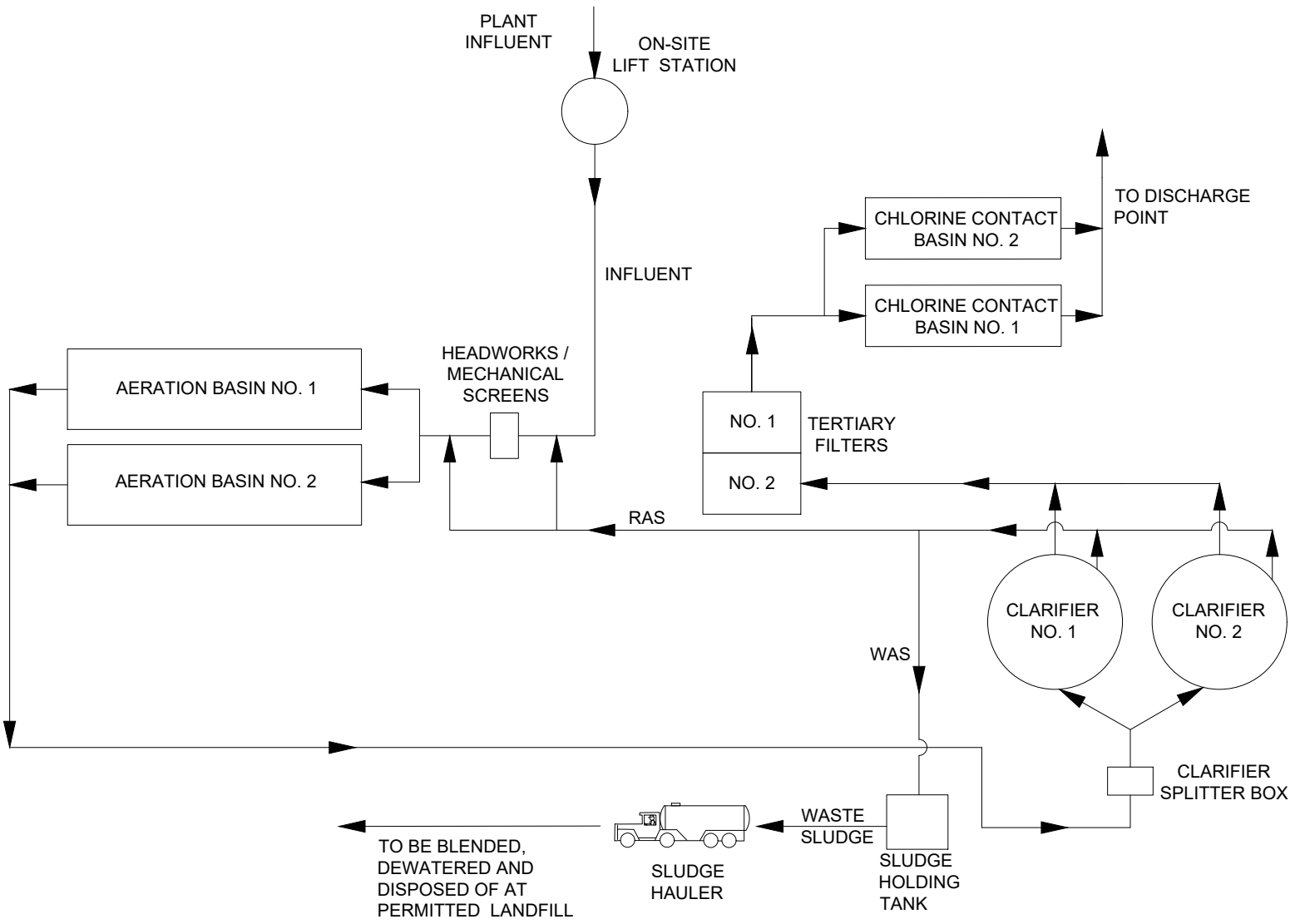
TREATMENT: SINGLE STAGE NITRIFICATION

PRAIRIE CROSSING
WASTEWATER TREATMENT FACILITY
PERMIT RENEWAL
PHASE I - 0.25 MGD FLOW DIAGRAM

DATE: AUG 2025

SCALE: N.T.S.

ATTACHMENT: H



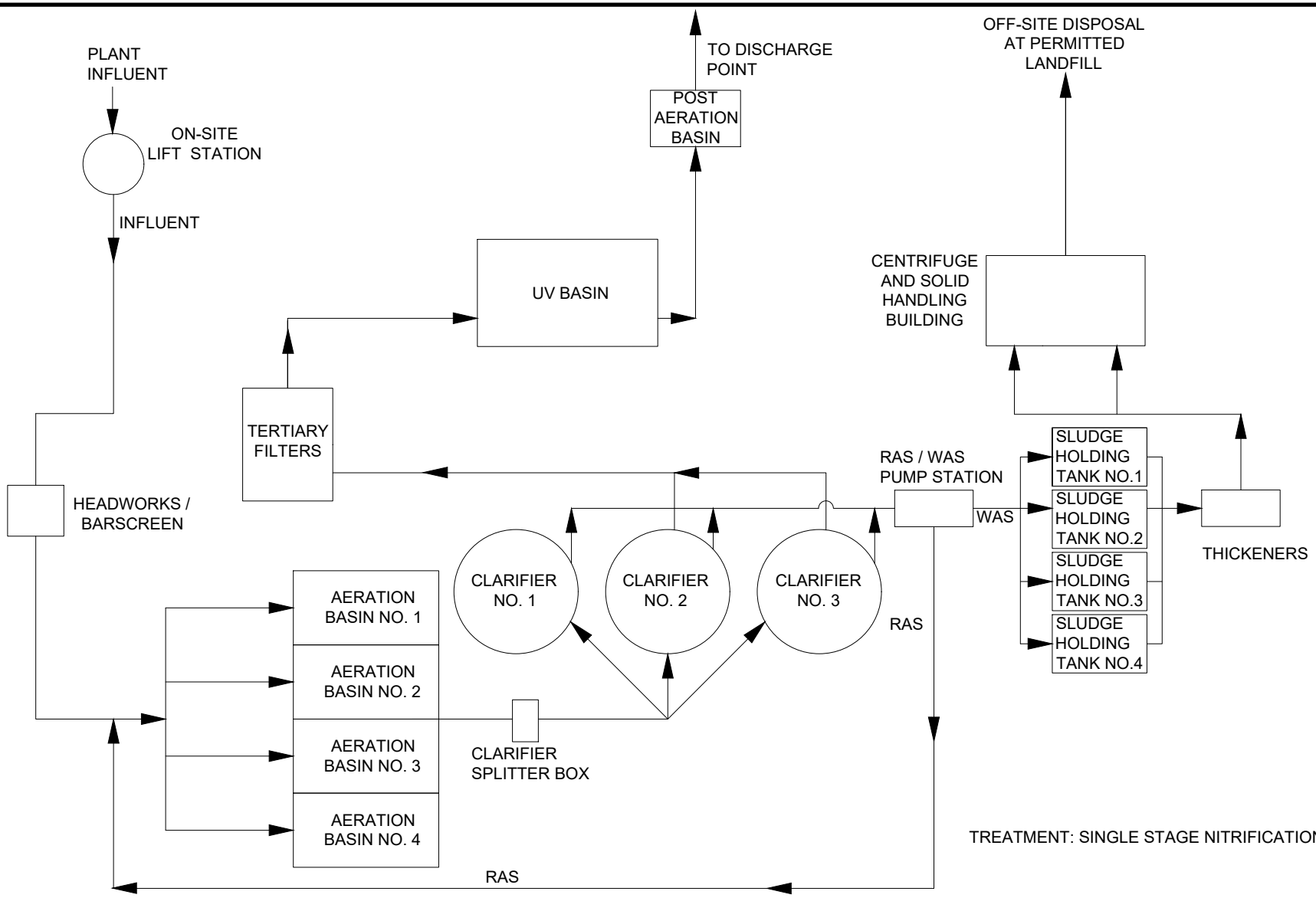
TREATMENT: SINGLE STAGE NITRIFICATION

PRAIRIE CROSSING
WASTEWATER TREATMENT FACILITY
PERMIT RENEWAL
PHASE II - 0.50 MGD FLOW DIAGRAM

DATE: AUG 2025

SCALE: N.T.S.

ATTACHMENT: H



PRAIRIE CROSSING
WASTEWATER TREATMENT FACILITY
PERMIT RENEWAL
FINAL PHASE - 4.50 MGD FLOW DIAGRAM

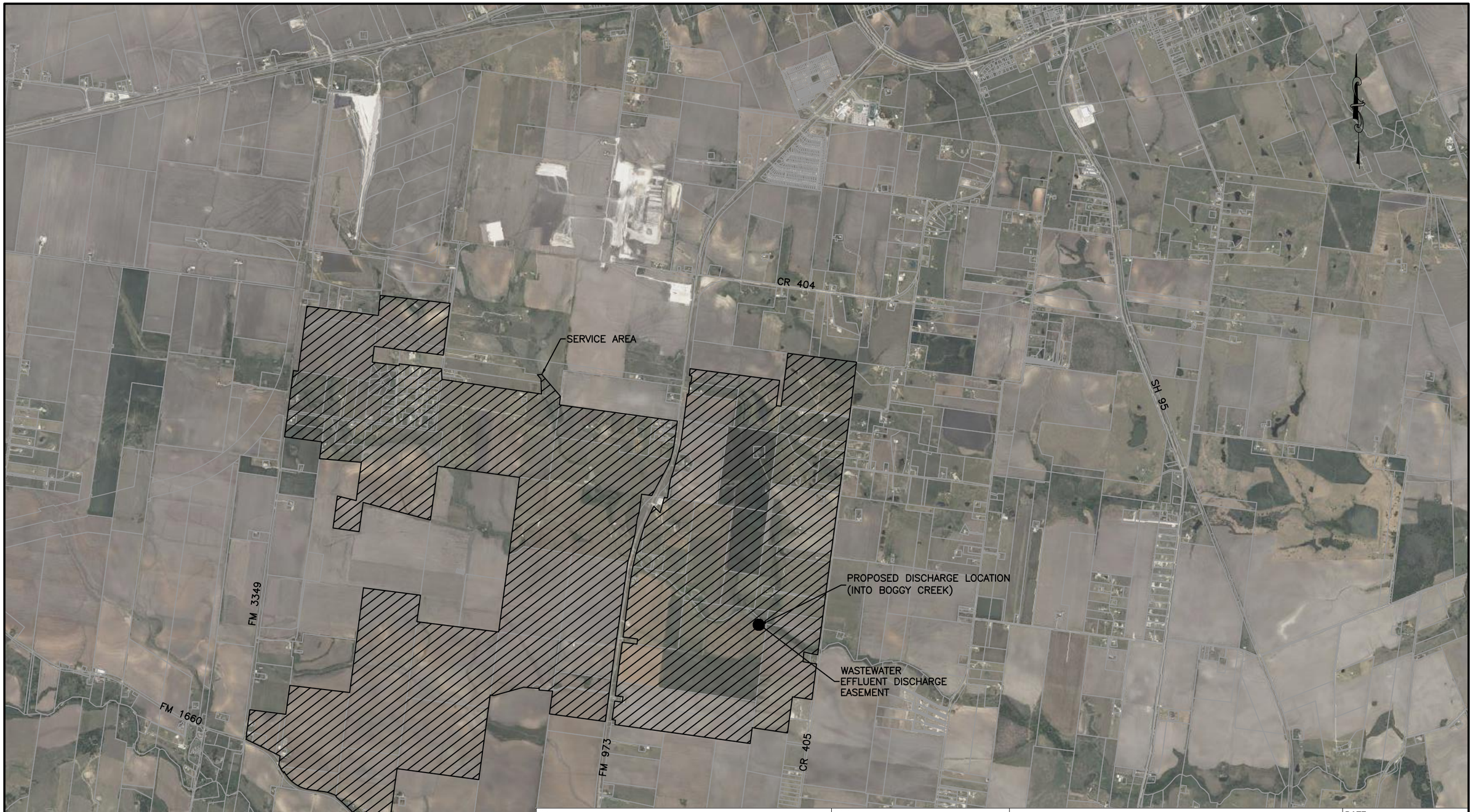
DATE: AUG 2025

SCALE: N.T.S.

ATTACHMENT: H

ATTACHMENT I

SERVICE AREA



LEGEND

SERVICE AREA BOUNDARY

PRAIRIE CROSSING WWTP
SERVICE AREA

DATE:	AUGUST 2025
SCALE:	1" = 3000'
FIGURE:	ATTACHMENT I

ATTACHMENT J

INTERIM PHASE I APPROVAL LETTER

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 5, 2024

Kimberly Hammond, P.E.
DCS ENGINEERING, LLC
1101 S. Capital Of Texas Hwy
Building G-100
Austin, TX 78746

Re: Prairie Crossing Wastewater LLC
Prairie Crossing WWTF
Permit No. WQ0015850-001
WWPR Log No. 1024/036
CN605742261, RN110939188
Williamson County

Dear Ms. Hammond:

We received the project summary transmittal letter dated 10/2/2024.

The Texas Commission on Environmental Quality (TCEQ) rules which regulate the design, installation, and testing of domestic wastewater treatment projects are found in 30 TAC, Chapter 217, titled Design Criteria for Wastewater Systems.

Section 217.6(d), relating to case-by-case reviews, states in part that upon receipt of a summary transmittal letter, the executive director may approve of the project without reviewing a complete set of plans and specifications.

Under the authority of 30 TAC §217.6(e), a technical review of complete plans and specifications for this project is not required, and **the project proposed in the summary transmittal letter is approved for construction. Please note that this conditional approval does not relieve the applicant of any responsibilities to obtain all other necessary permits or authorizations, such as a wastewater treatment permit or any other authorization as required by Chapter 26 of the Texas Water Code.** Below are provisional requirements in 30 TAC Chapter 217, which must be met as a condition of approval. These items are provided as a reminder. If you have already met these requirements, please disregard this additional notice.

- You must keep records of certain materials for the life of the project and be prepared to provide them to TCEQ upon request. These materials include an engineering report, test results, a summary transmittal letter, and the final version of the project plans and specifications. These materials shall be prepared and sealed by a Professional Engineer licensed in the State of Texas and must show substantial compliance with 30 TAC Chapter 217. All plans and specifications must conform to any wastewater discharge requirements authorized in a permit issued by TCEQ. Specific items that must be addressed in the engineering report are discussed in 30 TAC §217.6(d). Additionally, the engineering report must include all constants, graphs, equations, and calculations needed to show substantial compliance with 30 TAC Chapter 217. The items which shall be included in the summary transmittal letter are addressed in 30 TAC §217.6(d)(1)-(9).

- Any deviations from 30 TAC Chapter 217 shall be disclosed in the summary transmittal letter, and the technical justifications for those deviations shall be provided in the engineering report. Any deviations from 30 TAC Chapter 217 shall be based on the best professional judgement of the licensed professional engineer sealing the materials and the engineer's judgement that the design would not result in a threat to public health or the environment.

- Any variance from a 30 TAC Chapter 217 requirement disclosed in your summary transmittal letter is approved. If in the future, additional variances from the requirements in 30 TAC Chapter 217 are desired for the project, each variance must be requested in writing by the design engineer. TCEQ will then consider granting a written approval to the additional variance requests for the specific project and the specific circumstances.

- Within 60 days of construction completion, an appointed engineer shall notify both the Wastewater Permitting Section of the TCEQ Water Quality Division and the appropriate TCEQ Regional Office of the completion date. The engineer shall also provide written certification that all construction, materials, and equipment were substantially in accordance with the approved project, and the rules of TCEQ, as well as provide any change orders filed with TCEQ throughout the duration of project construction. All notifications, certifications, and change orders must include the signed and dated seal of a Professional Engineer licensed in the State of Texas.

This approval does not mean that future projects will be approved without a complete plans and specifications review. TCEQ will provide notification whenever a project is to undergo a complete plans and specifications review. Please note 30 TAC §217.7(a) states, "Approval given by the executive director or other authorized review authority does not relieve an owner of any liability or responsibility with respect to designing, constructing, or operating a collection system or treatment facility in accordance with applicable commission rules and the associated wastewater permit".

If you have any questions or if we can be of any further assistance, please call me at (512) 239-4552.

Sincerely,

Louis C. Herrin, III, P.E.
Water Quality Division (MC 148)
Texas Commission on Environmental Quality

LCHIII/ec/tc

cc: TCEQ, Region 11 Office

DCS
1101 S. Capital of Texas Hwy
Building G-100
Austin, Texas 78746

Tel: (512) 614-6171
T.B.P.E. Firm No. F-13162
www.DCS-Engineering.com

September 19, 2025

Ms. Rachel Ellis
Applications Review and Processing Team (MC 148)
Water Quality Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

Reference: Tiemann Land and Cattle Development, Inc.
Prairie Crossing Wastewater Treatment Facility – Permit No. WQ0015850001
Permit Renewal Application – Administrative Review

Dear Ms. Ellis,

We received a letter dated September 12, 2025 with comments for this application to be able to declare the permit application administratively complete. There was a total of five comments from this review which we have addressed below in the same order outlined in the letter.

1) *Paper copy of complete application: Please provide a hard copy (via mailing address) of the complete application, including technical report and attachments.*
Mailing address:
P.O. Box 13087
Austin, Texas 78711

DCS Response: Original hardcopy of the application was received by TCEQ and signed for by "D. Alba" on September 4th, 2025. Confirmation call was made to the applications review and processing team.

2) *Maps: Thank you for providing several maps; however, we did not find an 8 X 11SPIF map in the application that provides the following: applicant property boundary, treatment facility boundaries, point of discharge or outfalls, discharge route downstream or until it reaches classified segment, one-mile radius. Please provide an 8X11 map with a response to this email.*

DCS Response: Per your request, 8.5" X 11" SPIF Maps have been attached.

3) *Section 8, Item E, Item No. 5 of Administrative Report 1.0 indicates that public notices in Spanish are required. Please use the attached PLS Spanish template to translate the plain language summary into Spanish, complete with customer name, facility name, location, type of facility and flow consistent with the application.*

DCS Response: A Spanish PLS is attached.

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.*

DCS Response: Per your request, we have reviewed the NORI. Please find the corrected version attached.

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.*

   DCS Response: We have translated the NORI to Spanish which is hereby submitted as a Microsoft Word document as a part of this response.

Please contact me if you have any questions or comments.

Sincerely,

Kimberly Hammond, P.E.
Project Manager

cc: File

Enclosures

Ms. Rachel Ellis
September 19, 2025

CORRECTED NORI

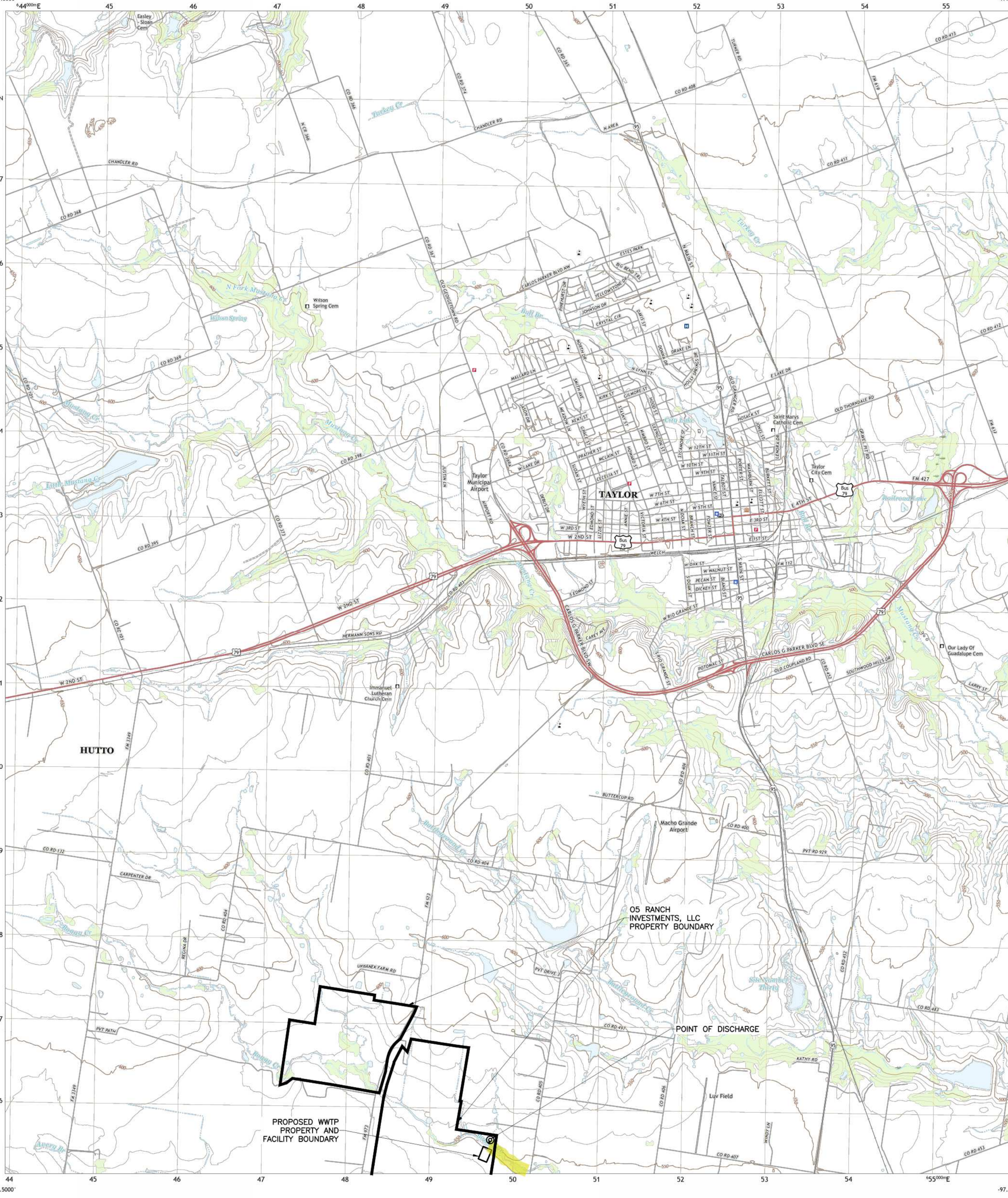
APPLICATION. Prairie Crossing Wastewater, LLC, 21100 Carries Ranch Road, Pflugerville,Texas 78660, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015850001 (EPA I.D. No. TX0139866) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 4,500,000 gallons per day. The domestic wastewater treatment facility is located 5,300 feet northeast of the intersection of Farm-to-Market Road 973 and County Road 485, near the city of Taylor, in Williamson County, Texas 76574. The discharge route is from the plant site via pipe to Boggy Creek, thence to Brushy Creek. TCEQ received this application on September 3, 2025. The permit application will be available for viewing and copying at City of Taylor Public Library, 801 Vance Street, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.441666,30.502222&level=18

Further information may also be obtained from Prairie Crossing Wastewater, LLC at the address stated above or by calling Ms. Kimberly Hammond, P.E., DCS Engineering, LLC, at 512-614-6171.

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

The National Map
US Topo

TAYLOR QUADRANGLE
TEXAS - WILLIAMSON COUNTY
7.5-MINUTE SERIES



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

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

Imagery.......NAIP, September 2016 - November 2016
Roads.......U.S. Census Bureau, 2015 - 2019
Names.......GNIS, 2000 - 2021
Hydrography.......National Hydrography Dataset, 2002 - 2020
Contours.......National Elevation Dataset, 2019
Boundaries.......Multiple sources; see metadata file 2019 - 2021
Wetlands.......FWS National Wetlands Inventory Not Available

MN
GN
3°33´
63 MILS
0°48´
14 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

SCALE 1:24 000
KILOMETERS · METERS · MILES · FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Weir
2 Granger
3 Granger Lake
4 Hutto
5 Thrall
6 Pflugerville East
7 Coupland
8 Structure

ADJOINING QUADRANGLES

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

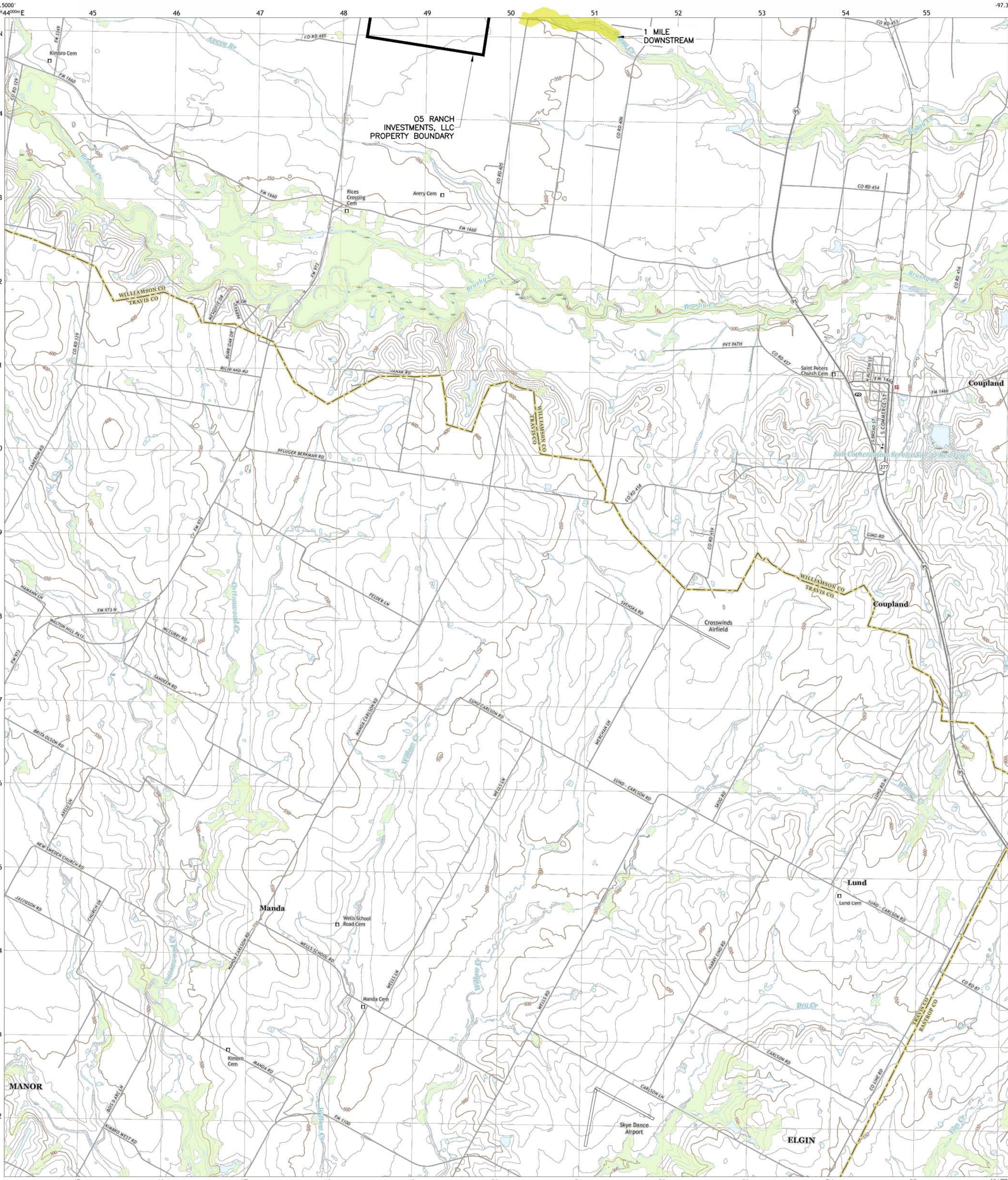
TAYLOR, TX
2022

NSN. 7643016398533
NGA REF NO. USGSX24K44365

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

The National Map
US Topo

COUPLAND QUADRANGLE
TEXAS
7.5-MINUTE SERIES



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

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

Imagery....NAIP, September 2016 - November 2016
Roads.... U.S. Census Bureau, 2015 - 2019
Names....GNIS, 1979 - 2022
Hydrography....National Hydrography Dataset, 2000 - 2020
Contours....National Elevation Dataset, 2019
Boundaries....Multiple sources; see metadata file 2019 - 2021

Wetlands....FWS National Wetlands Inventory Not Available

MN
GN
3°33´ 63 MILS
0°48´ 14 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

QUADRANGLE LOCATION

ADJOINING QUADRANGLES
1 Hutto
2 Taylor
3 Thrall
4 Pflugerville East
5 Structure
6 Manor
7 Elgin West
8 Elgin East

ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	

Interstate Route — US Route — State Route

COUPLAND, TX
2022

NSN. 7643016395876
NGA REF NO. USGSX24K103645

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

AGUAS RESIDUALES DOMESTICAS **/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.

Prairie Crossing Wastewater, LLC (CN 605742261) propone operar Prairie Crossing Wastewater Treatment Facility RN 110939188, una planta de nitrificación de una sola etapa con tratamiento terciario. La instalación estará ubicada en aproximadamente 5,300 pies al noreste de la intersección del Farm-to Market Road 973 y County Road 485, en Taylor, Condado de Williamson, Texas 76574. Esta solicitud es para una renovación para descargar un caudal promedio de 0.25 millones de galones por día en la Fase Interina I, 0.5 millones de galones por día en la Fase Interina II y 4.5 millones de galones por día en la fase final de aguas residuales domesticas a través del emisario 001, latitud: 30.503385, longitud: -97.441021.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), solidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. Las aguas residuales domesticas. estará tratado por una planta de proceso de lodos activados, y las unidades de tratamiento incluyen rejillas de barras, sistema de control de olores, desarenador, tanques de aireación, clarificadores finales, módulos de desinfección, espesadores de tambor y tanques de retención de lodos aireados.