



Administrative Package Cover Page

This file contains the following documents:

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



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0015837001

APPLICATION. TWU – Wholesale Services, Inc., P.O. Box 140164, Austin, Texas 78714, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015837001 (EPA I.D. No. TX0139700) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 500,000 gallons per day. The domestic wastewater treatment facility is located at 1222 Lantana Thicket Way, near the city of Rosharon, in Brazoria County, Texas 77583. The discharge route is from the plant site via pipe to a Brazoria County Drainage District No. 5 ditch; thence to Austin Bayou Above Tidal; thence to Austin Bayou Tidal; thence to Bastrop Bayou Tidal. TCEQ received this application on September 9, 2025. The permit application will be available for viewing and copying at Angleton Library, Front Desk, 401 East Cedar Street, Angleton, in Brazoria County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.428888,29.310555&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 TWU - Wholesale Services, Inc. at the address stated above or by calling Mr. Chuck Barry, Environmental Health and Safety Manager/Texas Water Utilities, Inc., at 737-376-2534.

Issuance Date: October 15, 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. WQ0015837001

SOLICITUD. TWU - Wholesale Services, Inc., P.O. Box 140164, Austin, Texas 78714, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0015837001 (EPA I.D. No. TX0139700) 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 500,000 galones por día. La planta está ubicada en 1222 Lantana Thicket Way, cerca de la ciudad de Rosharon, en el Condado de Brazoria, Texas 77583. La ruta de descarga es desde el sitio de la planta a través de una tubería hasta una zanja del Distrito de Drenaje No. 5 del Condado de Brazoria; de allí a Austin Bayou Above Tidal; de allí a Austin Bayou Tidal; de allí a Bastrop Bayou Tidal. La TCEQ recibió esta solicitud el 9 de septiembre de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la biblioteca de Angleton, Recepción, 401 East Cedar Street, Angleton, en el condado de Brazoria, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.428888,29.310555&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 específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. 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 TWU – Wholesale Services, Inc a la dirección indicada arriba o llamando al Sr. Chuck Barry, Gerente de Salud y Seguridad Ambiental, Texas Water Utilities, Inc., al 737-376-2534.

Fecha de emisión: 15 de octubre de 2025



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

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

TWU - Wholesale Services, Inc. (CN605699578) operates Pradera Oaks Wastewater Treatment Facility (RN110895281), an activated sludge facility operated in conventional mode. The facility is located at 1222 Lantana Thicket Way, in Rosharon, Brazoria County, Texas 77583. This application is for a permit renewal to discharge treated domestic wastewater at a volume not to exceed 500,000 gallons per day.

Discharges from the facility are expected to contain 5-day carbonaceous oxygen demand, total suspended solids, ammonia-nitrogen, and *E. coli*. Domestic wastewater is treated by a bar screen, an anoxic selector basin, aeration basins, a clarifier, a chlorine contact chamber, a sludge thickener, and aerobic digesters.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

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

TWU - Wholesale Services, Inc. (CN605699578) opera la planta de tratamiento de aguas residuales de Pradera Oaks (RN110895281), una instalación de lodos activados operada en modo convencional. La instalación está ubicada en 1222 Lantana Thicket Way, en Rosharon, Condado de Brazoria, Texas 77583. Esta solicitud es para renovar un permiso para descargar aguas residuales domésticas tratadas en un volumen que no exceda los 500,000 galones por día.

Se espera que las descargas de la instalación contengan demanda de oxígeno carbonoso de 5 días, sólidos suspendidos totales, nitrógeno amoniacal y E. coli. Aguas residuales domésticas están tratado por un filtro de barras, un estanque selector anóxico, cuencas de aireación, un clarificador, una cámara de contacto con cloro, un espesador de lodos y digestores aeróbico.



PLUMMER

1882-059-01

September 9, 2025

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Processing Team, MC-148
PO Box 13087
Austin, TX 78711

RECEIVED

SEP 09 2025

**WATER QUALITY DIVISION
TCEQ**

Re: TWU – Wholesale Services, Inc. (CN605699578)
Pradera Oaks Wastewater Treatment Facility (RN110895281)
Application for Renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No.
WQ0015837001

To Whom It May Concern:

On behalf of TWU – Wholesale Services, Inc., Plummer Associates, Inc. (Plummer) submits one original and one copy of a TPDES permit renewal application for the above-referenced facility. The application fee of \$1,615.00 for the Domestic Wastewater Permit Application has been submitted to the Texas Commission on Environmental Quality Cashier's Office (MC-214) under separate cover.

Please feel free to contact me at jgriesel@plummer.com or (512) 687-2193, if you have any questions regarding this submittal.

Sincerely,

PLUMMER
TBPE Firm Registration No. F-13

Jenni Griesel

Jenni Griesel, P.E.
Project Manager

Enclosures: Domestic TPDES Permit Renewal Application (1 Original, 1 Copy)

cc: Mr. Chuck Barry, Environmental Health and Safety Manager, TWU – Wholesale Services, Inc.

TWU - WHOLESALE SERVICES, INC.

**PRADERA OAKS WASTEWATER TREATMENT
FACILITY**

**TEXAS POLLUTANT DISCHARGE ELIMINATION
SYSTEM PERMIT RENEWAL APPLICATION**

PERMIT NO. WQ0015837001

SUBMITTED TO:

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SEPTEMBER 2025

PROJECT #: 1882-059-01



PLUMMER

TWU - WHOLESALE SERVICES, INC.
PRADERA OAKS WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION

TABLE OF CONTENTS

I. ADMINISTRATIVE REPORT

Domestic Administrative Report 1.0
Supplemental Permit Information Form (SPIF)

II. TECHNICAL REPORT

Domestic Technical Report 1.0
Domestic Worksheet 2.0

III. ATTACHMENTS

<u>No.</u>	<u>Description</u>	<u>Reference</u>
A	Core Data Form	Admin Rpt 1.0, Section 3.C
B	Plain Language Summary	Admin Rpt 1.0, Section 8.F
C	Property Easement	Admin Rpt 1.0, Section 9.D
D	USGS Map	Admin Rpt 1.0, Section 13
E	List of Treatment Units	Tech Rpt 1.0, Section 2.B
F	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
G	Site Drawing	Tech Rpt 1.0, Section 3
H	Summary Transmittal Approval Letter	Tech Rpt 1.0, Section 6.A
I	Pollutant Analysis of Treated Effluent	Tech Rpt 1.0, Section 7



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: TWU - Wholesale Services, Inc.

PERMIT NUMBER (If new, leave blank): WQ0015837001

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: 117661
Check/Money Order Amount: \$1,615.00
Name Printed on Check: Plummer

EPAY Voucher Number: N/A

Copy of Payment Voucher enclosed? Yes ☐ N/A

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 <u>with</u> Renewal | ☐ Minor Amendment <u>with</u> Renewal |
| ☐ Major Amendment <u>without</u> Renewal | ☐ Minor Amendment <u>without</u> Renewal |
| ☒ Renewal without changes | ☐ Minor Modification of permit |

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

f. **For existing permits:**

Permit Number: WQ0015837001

EPA I.D. (TPDES only): TX 0139700

Expiration Date: March 8, 2026

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

TWU - Wholesale Services, Inc.

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

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: 605699578

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: Sabolsice, Eric

Title: President

Credential: N/A

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

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

N/A

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

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

CN: N/A

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. See 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: Mr. Last Name, First Name: Barry, Chuck
Title: Environmental Health and Safety Manager Credential: N/A
Organization Name: Texas Water Utilities, Inc.
Mailing Address: P.O. Box 140164 City, State, Zip Code: Austin, TX 78714
Phone No.: (737) 376-2534 E-mail Address: Chuck.Barry@nexuswg.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Ms. Last Name, First Name: Griesel, Jenni
Title: Project Engineer Credential: P.E.
Organization Name: Plummer Associates, Inc.
Mailing Address: 8911 N Capital of Texas Hwy, Bldg 1 - Ste 1350
City, State, Zip Code: Austin, TX 78759
Phone No.: (512) 687-2193 E-mail Address: kgriesel@plummer.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: Barry, Chuck
Title: Environmental Health and Safety Manager Credential: N/A
Organization Name: Texas Water Utilities, Inc.
Mailing Address: P.O. Box 140164 City, State, Zip Code: Austin, TX 78714

Phone No.: (737) 376-2534

E-mail Address: Chuck.Barry@nexuswg.com

B. Prefix: Mr.

Last Name, First Name: Koenings, Tres

Title: Senior Project Manager

Credential: N/A

Organization Name: Plummer Associates, Inc.

Mailing Address: 8911 N Capital of TX Hwy, Bldg 1 – Ste 1350

City, State, Zip Code: Austin, TX 78759

Phone No.: (512) 452-5905

E-mail Address: tkoenings@plummer.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: Barry, Chuck

Title: Environmental Health and Safety Manager

Credential: N/A

Organization Name: Texas Water Utilities, Inc.

Mailing Address: P.O. Box 140164

City, State, Zip Code: Austin, TX 78714

Phone No.: (737) 376-2534

E-mail Address: Chuck.Barry@nexuswg.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: Barry, Chuck

Title: Environmental Health and Safety Manager

Credential: N/A

Organization Name: Texas Water Utilities, Inc.

Mailing Address: P.O. Box 140164

City, State, Zip Code: Austin, TX 78714

Phone No.: (737) 376-2534

E-mail Address: Chuck.Barry@nexuswg.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms.

Last Name, First Name: Griesel, Jenni

Title: Project Engineer

Credential: P.E.

Organization Name: Plummer Associates, Inc.

Mailing Address: 8911 N Capital of Texas Hwy, Bldg 1 – Ste 1350

City, State, Zip Code: Austin, TX 78759

Phone No.: (512) 687-2193

E-mail Address: kgriesel@plummer.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: Mr. Last Name, First Name: Barry, Chuck

Title: Environmental Health and Safety Manager Credential: N/A

Organization Name: Texas Water Utilities, Inc.

Mailing Address: P.O. Box 140164 City, State, Zip Code: Austin, TX 78714

Phone No.: (737) 376-2534 E-mail Address: Chuck.Barry@nexuswg.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: Angleton Library

Location within the building: Front Desk

Physical Address of Building: 401 E Cedar St

City: Angleton County: Brazoria

Contact (Last Name, First Name): Lewis, Layna

Phone No.: (979) 864-1519 Ext.: N/A

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: 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 110895281

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):

Pradera Oaks Wastewater Treatment Facility

C. Owner of treatment facility: TWU - Wholesale Services, Inc.

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

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

Prefix: N/A Last Name, First Name: N/A

Title: N/A Credential: N/A

Organization Name: Brazoria County Municipal Utility District No. 44

Mailing Address: 406 West Grand Parkway South, Ste 260 City, State, Zip Code: Katy, TX 77494

Phone No.: (281) 290-6500 E-mail Address: info@mdswater.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: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 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:

1222 Lantana Thicket Way, Rosharon, Brazoria County, TX 77583

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:

Correction to discharge route description: Via Outfall 001 to Brazoria County Drainage District No. 5 Ditch 315-00-00, thence to Austin Bayou Above Tidal, thence to Austin Bayou Tidal, thence to Bastrop Bayou Tidal in Segment No. 1105 of the San Jacinto-Brazos Coastal Basin.

City nearest the outfall(s): Village of Bonney, TX

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

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: N/A

- 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 N/A – Not a TLAP

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

N/A

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

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

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

N/A

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: N/A

Section 12. Miscellaneous Information (Instructions Page 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.

N/A

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: Tres Koenings & Alexandra Garoutte, Plummer Associates, Inc.

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: N/A

Amount past due: N/A

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: N/A

Amount past due: N/A

Section 13. Attachments (Instructions Page 33)

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

☒ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary See Attachment D
- 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: See Table of Contents

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0015837001

Applicant: TWU - Wholesale Services, Inc.

Certification:

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

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

Signatory name (typed or printed): Eric Sabolsice

Signatory title: President

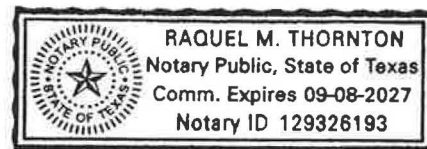
Signature: _____ Date: 9/3/2025
(Use blue ink)

Subscribed and Sworn to before me by the said Eric Sabolsice
on this 3 day of September, 2025.
My commission expires on the 8 day of September, 2027.

Raquel M. Thornton
Notary Public

[SEAL]

Fort Bend, TX
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: SPIF

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: TWU - Wholesale Services, Inc.

Permit No. WQ0015837001EPA ID No. TX0139700

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

1222 Lantana Thicket Way, Rosharon, Brazoria County, TX 77583

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: Chuck Barry

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

Title: Environmental Health and Safety Manager

Mailing Address: P.O. Box 140164

City, State, Zip Code: Austin, TX 78714

Phone No.: (737) 376-2534 Ext.: N/A Fax No.: N/A

E-mail Address: Chuck.Barry@nexuswg.com

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

N/A

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

Via Outfall 001 to Brazoria County Drainage District No. 5 Ditch 315-00-00, thence to Austin Bayou Above Tidal, thence to Austin Bayou Tidal, thence to Bastrop Bayou Tidal in Segment No. 1105 of the San Jacinto-Brazos Coastal Basin.

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). See SPIF 1 and SPIF 2

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

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):

Approximately 1 surface acre will be impacted for the construction of the treatment facility and utility lines serving the facility.

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

Existing disturbances, vegetation, and land use are typical for a wastewater treatment facility of this size.

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:

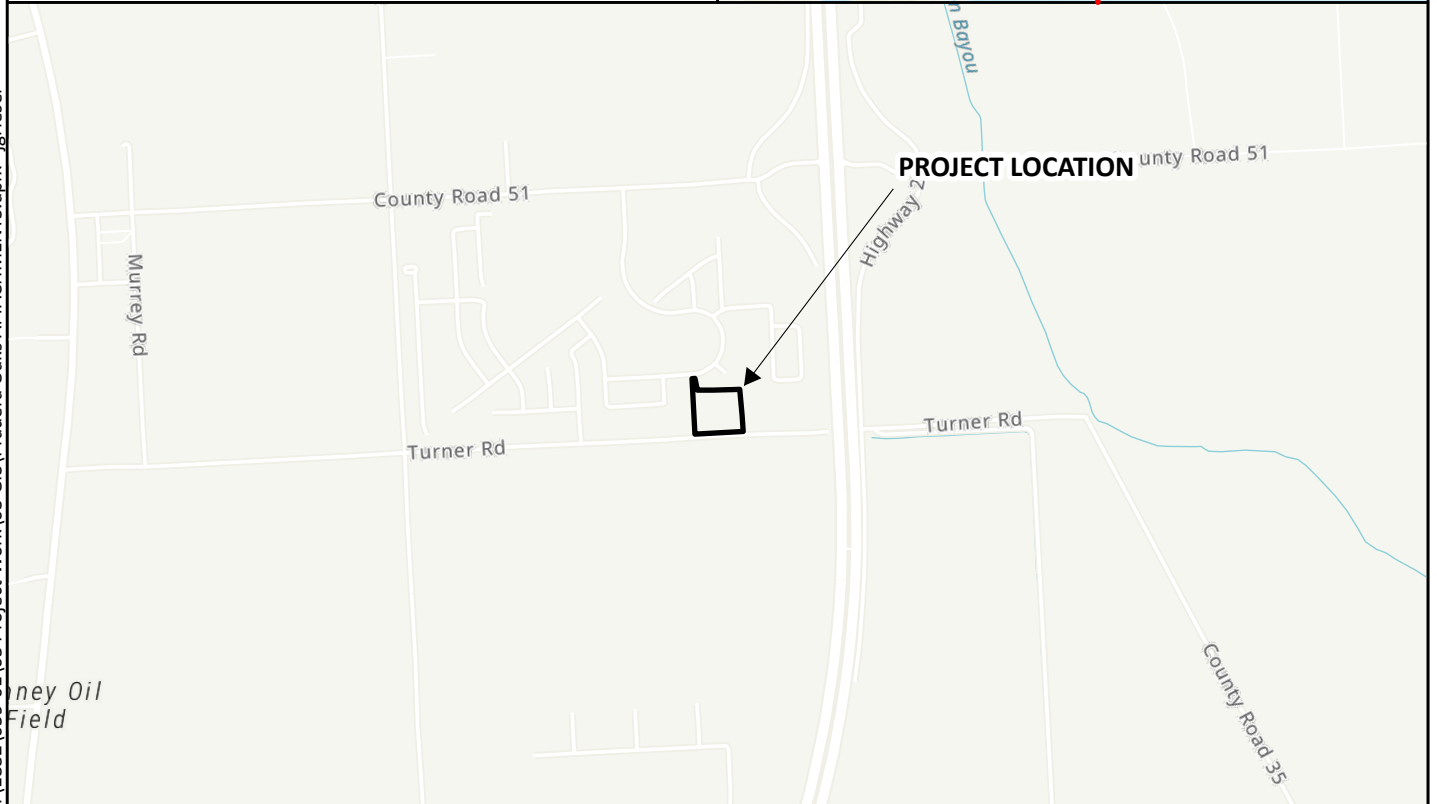
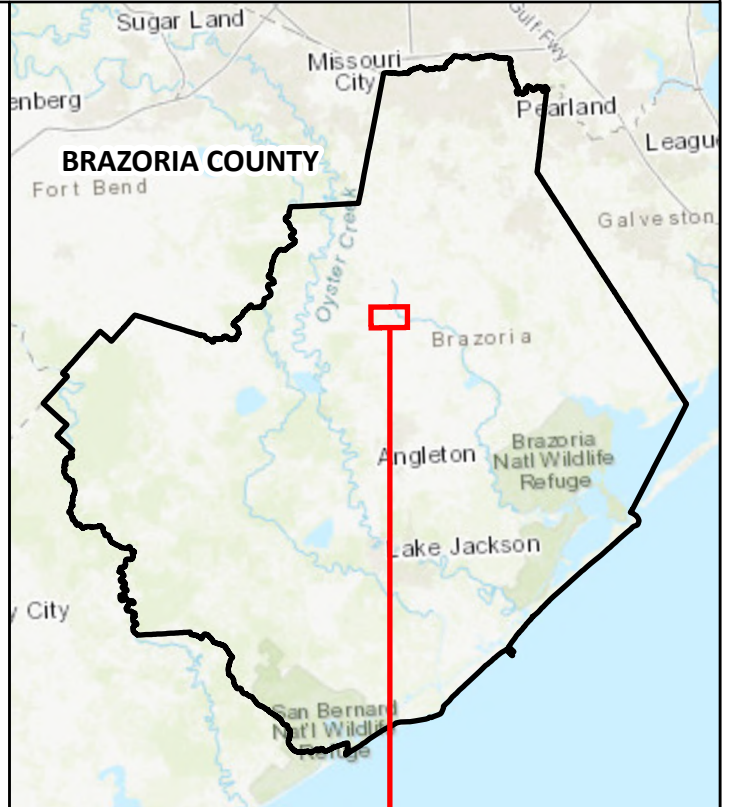
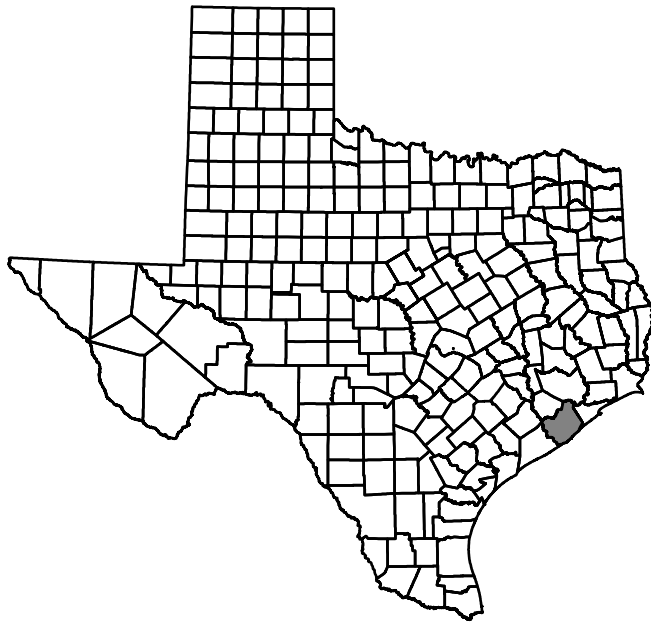
N/A

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

N/A



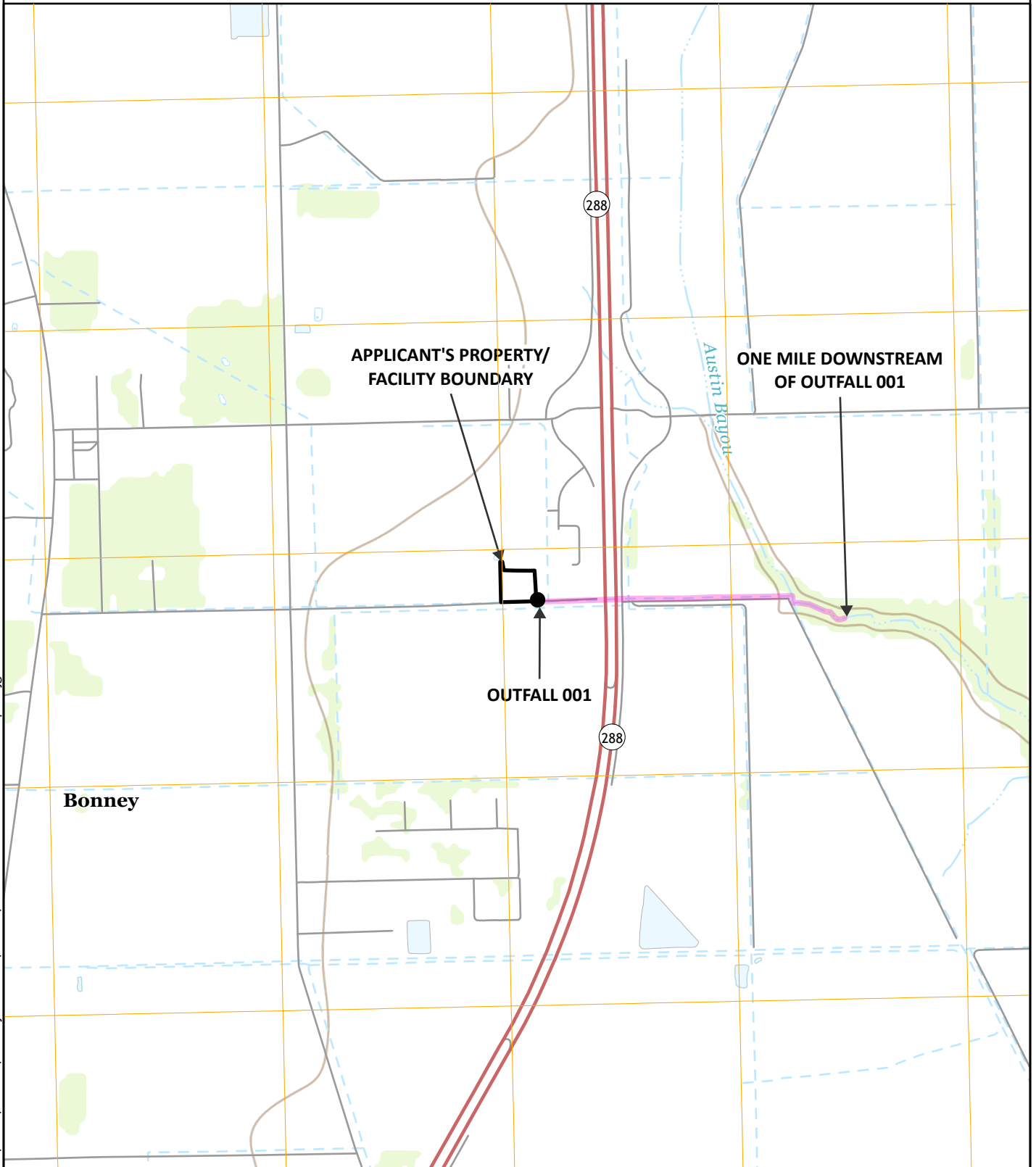
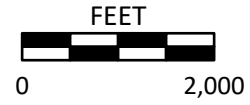
PLUMMER



SPIF 1
TWU - WHOLESALE SERVICES, INC.
PRADERA OAKS WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
GENERAL LOCATION MAP



PLUMMER



SPIF 2

TWU - WHOLESALE SERVICES, INC.

PRADERA OAKS WASTEWATER TREATMENT FACILITY

TPDES PERMIT RENEWAL APPLICATION

USGS MAP



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): 0.135

2-Hr Peak Flow (MGD): 0.54

Estimated construction start date: N/A - Existing

Estimated waste disposal start date: N/A - Existing

B. Interim II Phase

Design Flow (MGD): 0.27

2-Hr Peak Flow (MGD): 1.08

Estimated construction start date: Q1 2026

Estimated waste disposal start date: Q4 2027

C. Final Phase

Design Flow (MGD): 0.5

2-Hr Peak Flow (MGD): 2.0

Estimated construction start date: 2030

Estimated waste disposal start date: 2031

D. Current Operating Phase

Provide the startup date of the facility: Existing

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.**

The following process is the same for all phases: Influent enters the lift station and flows by gravity through a bar screen to an anoxic selector basin, thence to an aeration basin, thence to a clarifier, thence to a chlorine contact chamber before discharging via Outfall 001. Effluent will be dechlorinated prior to discharge in the Final phase. Activated sludge from the clarifier will be returned to the aeration basin or sent to a sludge thickener, thence to an aerobic digester before being hauled offsite for disposal.

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 E		

C. Process Flow Diagram

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

Attachment: F

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

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

- Latitude: 29.309973
- Longitude: -95.428337

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: G

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

This facility serves the Pradera Oaks 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
Pradera Oaks	Brazoria County MUD 44	Publicly Owned	5,000 (Final Phase)

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.**

N/A

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 N/A

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

N/A

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: Existing Phase: 1/25/2021.

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.**

The summary transmittal letter for the Interim I phase was approved by TCEQ on January 25, 2021 (Log No. 1220/074). See Attachment H. A summary transmittal letter will be submitted for the Interim II and Final phases prior to construction of each phase.

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.

N/A

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 notification of completion, Form 20007, will be submitted prior to startup of the Interim II and Final phases.

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.

N/A

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.

N/A

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.

N/A

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 N/A

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

TXR05 _ or TXRNE

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

☐ Yes ☐ No N/A

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 N/A

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

N/A

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.

N/A

5. Zero stormwater discharge

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

☐ Yes ☐ No N/A

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

N/A

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 N/A

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.

N/A

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.
N/A

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 BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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 N/A

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

☐ Yes ☐ No N/A

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 BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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.

N/A

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. See Attachment I

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	<3	<3	1	Grab	6/10/2025 08:30
Total Suspended Solids, mg/l	6.1	6.1	1	Grab	6/10/2025 08:30
Ammonia Nitrogen, mg/l	2.7	2.7	1	Grab	6/10/2025 08:30
Nitrate Nitrogen, mg/l	0.2	0.2	1	Grab	6/10/2025 08:30
Total Kjeldahl Nitrogen, mg/l	6.2	6.2	1	Grab	6/10/2025 08:30
Sulfate, mg/l	20.5	20.5	1	Grab	6/10/2025 08:30
Chloride, mg/l	71.3	71.3	1	Grab	6/10/2025 08:30
Total Phosphorus, mg/l	3.6	3.6	1	Grab	6/10/2025 08:30
pH, standard units	8.0	8.0	1	Grab	6/10/2025 08:30
Dissolved Oxygen*, mg/l	7.0	7.0	1	Grab	6/10/2025 08:30
Chlorine Residual, mg/l	1.4	1.4	1	Grab	6/10/2025 08:43
<i>E.coli</i> (CFU/100ml) freshwater	<1	<1	1	Grab	6/10/2025 08:43
Enterococci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	604	604	1	Grab	6/10/2025 08:30
Electrical Conductivity, μ mohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l	<5.1	<5.1	1	Grab	6/10/2025 08:30
Alkalinity (CaCO ₃)*, mg/l	284	284	1	Grab	6/10/2025 08:30

*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	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	N/A	N/A	N/A	N/A

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

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Daniel Velasquez

Facility Operator's License Classification and Level: Wastewater Class D

Facility Operator's License Number: WW0071705

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

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

Check all that apply. See instructions for guidance

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

B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)

- ☒ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process:

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
Other	Off-site Third-Party Preparer	Not Applicable	N/A	N/A: Transported to another facility for further processing	N/A: Transported to another facility for further processing

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Transported to another WWTP for processing and disposal.

D. Disposal site

Disposal site name: Mount Houston Road MUD WWTP

TCEQ permit or registration number: WQ0011154001

County where disposal site is located: Harris

E. Transportation method

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

Name of the hauler: Magna Flow Environmental

Hauler registration number: 21484

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 N/A

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 N/A

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 N/A

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: N/A
- USDA Natural Resources Conservation Service Soil Map:
Attachment: N/A
- Federal Emergency Management Map:
Attachment: N/A
- Site map:
Attachment: N/A

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: N/A

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:

N/A

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: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: N/A

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

Volume and frequency of sludge to the lagoon(s): N/A

Total dry tons stored in the lagoons(s) per 365-day period: N/A

Total dry tons stored in the lagoons(s) over the life of the unit: N/A

C. Liner information

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

☐ Yes ☐ No N/A

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

N/A

D. Site development plan

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

N/A

Attach the following documents to the application.

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

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 N/A

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: N/A

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:

N/A

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:

N/A

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: N/A

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: Eric Sabolsice

Title: President

Signature: _____

Date: 8/3/2025

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

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

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

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: N/A

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No N/A

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

N/A

C. Sea grasses

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

☐ Yes ☐ No N/A

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

N/A

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: Brazoria County Drainage District No. 5 Ditch 315-00-00

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

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

☒ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify:

B. Flow characteristics

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

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

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

☐ Perennial - normally flowing

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

☒ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify:

C. Downstream perennial confluences

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

Austin Bayou above Tidal

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.

N/A

E. Normal dry weather characteristics

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

Ditch has clear water, no flow.

Date and time of observation: 8/15/2025, 14:00

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: |

B. Waterbody uses

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

- | | |
|--|---|
| ☐ Livestock watering | ☐ Contact recreation |
| ☐ Irrigation withdrawal | ☐ Non-contact recreation |
| ☐ Fishing | ☐ Navigation |
| ☐ Domestic water supply | ☐ Industrial water supply |
| ☐ Park activities | ☒ Other(s), specify: <u>Stormwater Drainage</u> |

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

**TWU - WHOLESALE SERVICES, INC.
PRADERA OAKS WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION**

TABLE OF ATTACHMENTS

<u>No.</u>	<u>Description</u>	<u>Reference</u>
A	Core Data Form	Admin Rpt 1.0, Section 3.C
B	Plain Language Summary	Admin Rpt 1.0, Section 8.F
C	Property Easement	Admin Rpt 1.0, Section 9.D
D	USGS Map	Admin Rpt 1.0, Section 13
E	List of Treatment Units	Tech Rpt 1.0, Section 2.B
F	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
G	Site Drawing	Tech Rpt 1.0, Section 3
H	Summary Transmittal Approval Letter	Tech Rpt 1.0, Section 6.A
I	Pollutant Analysis of Treated Effluent	Tech Rpt 1.0, Section 7

ATTACHMENT A

**Core Data Form
Admin Rpt 1.0, Section 3.C**



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 605699578		RN 110895281

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		9/9/2025			
☐ 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)				<i>If new Customer, enter previous Customer below:</i>			
TWU - Wholesale Services, Inc.				SWWC Utilities, Inc.			
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)		
0803332182		19121187652					
11. Type of Customer:		☒ Corporation		☐ Individual	Partnership: ☐ General ☐ Limited		
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship		☐ Other:			
12. Number of Employees				13. Independently Owned and Operated?			
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher				☐ 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 ☐ Other:							
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant							
15. Mailing Address:	PO Box 140164						
	City	Austin	State	TX	ZIP	78714	ZIP + 4
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)			
				Chuck.Barry@nexuswg.com			

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(737) 376-2534		() -

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								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Pradera Oaks Wastewater Treatment Facility								
23. Street Address of the Regulated Entity: (No PO Boxes)	1222 Lantana Thicket Way							
	City	Rosharon	State	TX	ZIP	77583	ZIP + 4	
24. County	Brazoria							

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

25. Description to Physical Location:	N/A							
26. Nearest City					State	Nearest ZIP Code		
Bonney					TX	77583		
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:		29.310556			28. Longitude (W) In Decimal:		95.429722	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29	18	38	95	25	47			
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.)								
Treatment of domestic wastewater								
34. Mailing Address:	PO Box 140164							
	City	Austin	State	TX	ZIP	78714	ZIP + 4	0164
35. E-Mail Address:	Chuck.Barry@nexuswg.com							
36. Telephone Number	37. Extension or Code		38. Fax Number (if applicable)					
(737) 376-2534			() -					

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.

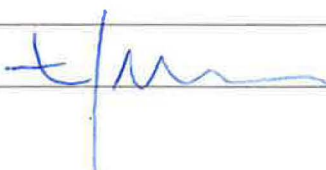
☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0015837001			

SECTION IV: Preparer Information

40. Name:	Jenni Griesel, P.E.	41. Title:	Project Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 687-2193		() -	jgriesel@plummer.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:	TWU - Wholesale Services, Inc.	Job Title:	President
Name (In Print):	Eric Sabolsice	Phone:	(346) 848- 0660
Signature:		Date:	9/3/2025

ATTACHMENT B

**Plain Language Summary
Admin Rpt 1.0, Section 8.F**



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

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

TWU - Wholesale Services, Inc. (CN605699578) operates Pradera Oaks Wastewater Treatment Facility (RN110895281), an activated sludge facility operated in conventional mode. The facility is located at 1222 Lantana Thicket Way, in Rosharon, Brazoria County, Texas 77583. This application is for a permit renewal to discharge treated domestic wastewater at a volume not to exceed 500,000 gallons per day.

Discharges from the facility are expected to contain 5-day carbonaceous oxygen demand, total suspended solids, ammonia-nitrogen, and *E. coli*. Domestic wastewater is treated by a bar screen, an anoxic selector basin, aeration basins, a clarifier, a chlorine contact chamber, a sludge thickener, and aerobic digesters.

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

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

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

TWU - Wholesale Services, Inc. (CN605699578) opera la planta de tratamiento de aguas residuales de Pradera Oaks (RN110895281), una instalación de lodos activados operada en modo convencional. La instalación está ubicada en 1222 Lantana Thicket Way, en Rosharon, Condado de Brazoria, Texas 77583. Esta solicitud es para renovar un permiso para descargar aguas residuales domésticas tratadas en un volumen que no exceda los 500,000 galones por día.

Se espera que las descargas de la instalación contengan demanda de oxígeno carbonoso de 5 días, sólidos suspendidos totales, nitrógeno amoniacal y E. coli. Aguas residuales domésticas están tratado por un filtro de barras, un estanque selector anóxico, cuencas de aireación, un clarificador, una cámara de contacto con cloro, un espesador de lodos y digestores aeróbico.

ATTACHMENT C

**Property Easement
Admin Rpt 1.0, Section 9.D**

**WASTEWATER TREATMENT PLANT EASEMENT
(5.161 Acres)**

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

THE STATE OF TEXAS	§	
	§	KNOW ALL BY THESE PRESENTS:
COUNTY OF BRAZORIA	§	

THAT **BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 44**, a political subdivision of the State of Texas ("Grantor"), for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, has GRANTED, SOLD, AND CONVEYED and, by these presents, does GRANT, SELL, AND CONVEY unto **METRO WATER SYSTEMS, INC.**, a Texas corporation ("Grantee"), a permanent and perpetual non-exclusive easement and right-of-way (the "Easement") for (i) pedestrian ingress and egress across, along, over, upon, and through that certain tract of land located in Brazoria County, Texas, containing 5.161 acres, as more particularly described in and shown on **Exhibit A**, attached hereto and incorporated herein for all purposes (the "Easement Tract"); and (ii) the laying, construction, installation, maintenance, repair, relocation, replacement, removal, modification and operation of one or more wastewater treatment plant facilities and all related connections and appurtenances (collectively, the "Facilities") across, along, under, over, upon and through the Easement Tract.

Grantee may lay, construct, install, maintain, repair, relocate, replace, remove, modify and operate the Facilities across, along, under, over, upon and through the Easement Tract, and may enter upon the Easement Tract to engage in all activities as may be necessary, requisite, convenient, or appropriate in connection therewith. Grantee's rights shall include, without limitation, the right to clear and remove trees, growth, shrubbery, and other improvements from within the Easement Tract and the right to bring and operate such equipment on the Easement Tract as may be necessary, requisite, convenient, or appropriate to effectuate the purposes for which the Easement is granted. Subject to the rights granted to Grantee herein, Grantee will, at all times after doing any work in connection with the Easement, restore the surface of the Easement Tract as nearly as reasonably practicable to substantially its condition prior to the undertaking of such work. Grantee shall remove, at Grantee's expense, any dirt,

earth, or other material excavated from the Easement Tract in connection with Grantee's construction, operation, or maintenance of the Facilities that is not used in connection with Grantee's activities hereunder.

The Facilities shall be constructed, operated and maintained in accordance with the provisions of that certain Wholesale Water Supply and Wastewater Service Contract (the "Contract") dated effective October 20, 2020, executed by and between Grantor, Grantee, and Wan Bridge Land LLC, a Texas limited liability company. In the event of any conflict between the terms of the Contract and the terms of this Easement, the terms of the Contract shall prevail.

Prior to the commencement of the construction of the Facilities, Grantee must submit to Grantor and Grantor's engineer (Tyler Broom, Dannenbaum Engineering Corp., (713) 527-6476) ("Grantor's Engineer"), for purposes of disclosure and review, full and complete detailed plans for the Facilities (the "Plans"). Grantee acknowledges that the Plans submitted to Grantor and Grantor's Engineer are to warrant that the Facilities will meet the necessary requirements to provide wastewater treatment service to Grantor. The Plans shall comply with the requirements of all governmental agencies having jurisdiction thereof, and Grantee will obtain written approval of the Plans by such governmental agencies, if required by such agencies. Grantee shall coordinate the scheduling of such construction activities in a manner reasonably satisfactory to Grantor, and Grantee shall construct the Facilities in compliance with the Plans and the Contract.

Grantee, at its sole cost and expense, shall maintain the Facilities in a good condition. Grantee shall not permit or create an unreasonable nuisance or any act that will be unreasonably detrimental to the Easement Tract. In the event that any such maintenance or repair work to be performed by Grantee on the Facilities shall disrupt or interfere with Grantor's use of the Easement Tract as provided herein, Grantee shall notify Grantor's Engineer prior to Grantee's commencement of any such maintenance or repair work on the Facilities and coordinate the scheduling of such maintenance or repair activities in a manner satisfactory to Grantor. In no event shall Grantee materially alter, modify, or replace all or any significant portion of the Facilities without prior written notice to Grantor.

Grantee shall secure, and keep current, a policy of commercial general liability insurance relating to Grantee's use of the Easement Tract pursuant to this instrument in the minimum amount of \$1,000,000.00 per occurrence and \$2,000,000.00 in the aggregate. Prior to the construction of the Facilities, Grantee shall provide a certificate of insurance to Grantor, and Grantee's policy shall name Grantor as an additional insured party thereunder.

Subject to the limitations set forth herein, Grantor expressly reserves the right to the use and enjoyment of the surface of the Easement Tract for any and all purposes, provided, however, that such use and enjoyment of the surface of the Easement Tract shall not interfere with, obstruct, or restrict the full and complete use and enjoyment of the Easement for the purposes set forth herein.

Grantor reserves all oil, gas, and other minerals in, on, or under the Easement Tract, but waives all right to use the surface of the Easement Tract for, and all rights of ingress and egress for, the purpose of exploring, developing, mining, or drilling for the same; provided, however, that nothing herein shall prohibit or in any manner restrict the right of Grantor to extract oil, gas, and other minerals from and under the Easement Tract by directional drilling or other means that does not interfere with or disturb the surface of the Easement Tract or Grantee's use of the Easement Tract for the purposes set forth herein.

This conveyance is further made subject to any and all restrictions, covenants, easements, rights-of-way, encumbrances, and mineral or royalty reservations or interests affecting the Easement Tract and appearing of record in the Official Public Records of Brazoria County, Texas, to the extent in effect and validly enforceable against the Easement Tract (the "Permitted Encumbrances").

TO HAVE AND TO HOLD, subject to the matters set forth herein and the Permitted Encumbrances, the Easement, together with, all and singular, the rights and appurtenances thereto in any wise belonging, including all necessary rights to ingress, egress, and regress, unto Grantee, its successors and assigns, forever. Grantor does hereby bind itself and its successors and assigns to WARRANT AND FOREVER DEFEND, all and singular, the Easement and right-of-way and other rights described herein unto Grantee, its 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.

The covenants and agreements contained herein shall run with the land and shall inure to the benefit of and shall be binding upon Grantor and Grantee and their respective successors and assigns.

The prevailing party in any suit, action, or other proceeding instituted in connection with any controversy arising out of this instrument or the Easement shall be entitled to recover its reasonable attorneys' fees from the other party.

Grantee and the individual executing this instrument on behalf of Grantee represents and warrants to Grantor that such individual has full capacity and authority

to execute this instrument on behalf of Grantee and that Grantee has the full corporate right and authority to execute and deliver this instrument to Grantor.

Neither party's failure to insist on strict performance of any part of this instrument shall be construed as a waiver of the performance in any other instance.

This instrument and the provisions contained herein shall be interpreted and construed in accordance with the laws of the State of Texas, without regard to conflict of laws principles, and venue for any suit, action, or proceeding instituted in connection with any controversy arising out of this instrument or the Easement shall be the state courts situated in Brazoria County, Texas.

This instrument may be executed in multiple counterparts, each of which shall be deemed an original, and all of which, taken together, shall constitute one instrument.

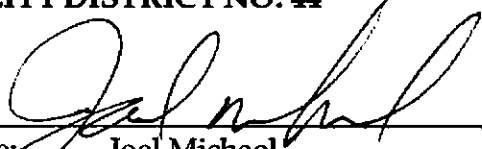
Grantee's address is 12535 Reed Road, Sugar Land, Texas 77478.

[Signature pages follow this page.]

EXECUTED this 19th day of October, 2020.

GRANTOR:

**BRAZORIA COUNTY MUNICIPAL
UTILITY DISTRICT NO. 44**

By: 
Name: Joel Michael
Title: President

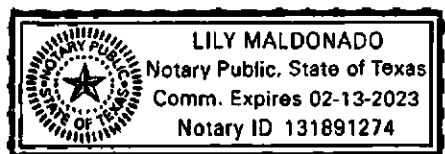
ATTEST:

By: _____
Name: Noel Barfoot
Title: Secretary

THE STATE OF TEXAS §
 §
COUNTY OF Harris §

This instrument was acknowledged before me on the 19th day of October, 2020, by JOEL MICHAEL, PRESIDENT, and ~~NOEL BARFOOT, SECRETARY~~ of the Board of Directors of BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 44, a political subdivision of the State of Texas, on behalf of said political subdivision.

(NOTARY SEAL)




Notary Public, State of Texas

EXECUTED this 22nd day of October, 2020.

GRANTOR:

**BRAZORIA COUNTY MUNICIPAL
UTILITY DISTRICT NO. 44**

By: _____
Name: Joel Michael
Title: President

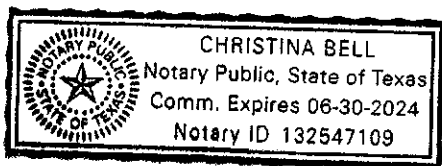
ATTEST:

By: Noel W. Barfoot
Name: Noel Barfoot
Title: Secretary

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

This instrument was acknowledged before me on the 22 day of October, 2020, by ~~JOEL MICHAEL, PRESIDENT~~, and NOEL BARFOOT, SECRETARY of the Board of Directors of BRAZORIA COUNTY MUNICIPAL UTILITY DISTRICT NO. 44, a political subdivision of the State of Texas, on behalf of said political subdivision.

(NOTARY SEAL)



C. Bell
Notary Public, State of Texas

EXECUTED by Grantee on the date set forth in the acknowledgment below, but AGREED to, ACCEPTED, and EFFECTIVE as of the date executed by Grantor.

GRANTEE:

METRO WATER SYSTEMS, INC.,
a Texas corporation,

Bv:

Name: Jeffrey L. McIntyre

Title: President

THE STATE OF TEXAS

5

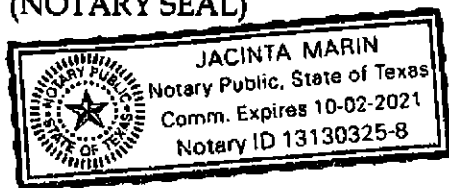
33

COUNTY OF Fort Bend

5

This instrument was acknowledged before me on the 25th day of October, 2020 by Jeffrey L. McIntyre, President of METRO WATER SYSTEMS, INC., a Texas corporation, on behalf of said corporation.

(NOTARY SEAL)




Notary Public, State of Texas

Attachment:

Exhibit A – Description and Sketch of the Easement Tract

After recording, please return to:

Allen Boone Humphries Robinson LLP
3200 Southwest Freeway, Suite 2600
Houston, Texas 77027
Attention: Real Estate Department

County: Brazoria
Project: Pradera Oaks
M.S.G. No.: 191236
Job Number: 3848-BV

**FIELD NOTES FOR A 5.161 ACRE TRACT
WASTE WATER TREATMENT PLANT**

Being a tract of land containing 5.161 acres (224,831 square feet), located within the Warren D.C. Hall League, Abstract Number (No.) 69, in Brazoria County, Texas; Said 5.161 acre tract being a portion of Lot 23 of Bogart and Taylor subdivision of the west 1/2 of said Warren D.C. Hall League, Abstract No. 69, a subdivision of record in Volume (Vol.) 1, Page (Pg.) 64, Brazoria County Plat Records (B.C.P.R.) and being a portion of a called 122.9334 acre tract (Tract 1) and a called 0.2008 acre tract (Tract 2) both being recorded in the name of WB Pradera Oaks Land 1 LLC in Brazoria County Clerk's File Number (B.C.C.F. No.) 2019031292; Said 5.161 acre tract being more particularly described by metes and bounds as follows (all bearings are based on the Texas Coordinate System of 1983 (NAD83), South Central Zone, per GPS observations):

COMMENCING at a 1/2-inch iron pipe with a cap stamped "RPLS 2506" found at the intersection of the westerly Right-of-Way (R.O.W.) line of Texas State Highway 288 (width varies, no record document found) and the northerly R.O.W. line of County Road 35 (unimproved, 95-feet wide as fenced and as per Vol. 50, Pages 102 and 104, Brazoria County Deed Records (B.C.D.R.), marking the southeast corner of said 122.9334 acre tract;

Thence, with the line common to the northerly R.O.W. line of said County Road 35 and the southerly line of said 122.9334 acre tract (Tract 1), said 0.2008 acre tract (Tract 2) and called 0.2008 acre tracts (Tracts 3, 4, 5 and 6) all being recorded in the name of WB Pradera Oaks Land 1 LLC in B.C.C.F. No. 2019031292, the following two (2) courses;

1. South 86 degrees 53 minutes 56 seconds West, a distance of 632.41 passing a 5/8-inch iron rod with a cap stamped "Kalkomey" found at the southeast corner of said Tract 6, continuing for a total distance of 872.90 feet to an angle point at the **POINT OF BEGINNING** and the southeast corner of the herein described tract;
2. South 86 degrees 53 minutes 56 seconds West, a distance of 34.52 passing a 1/2-inch iron pipe found (bears South 07 degrees 06 minutes West a distance of 0.6' feet) at the southwest corner of said Tract 2, continuing for a total distance of 490.03 feet to an angle point at the southwest corner of the herein described tract;

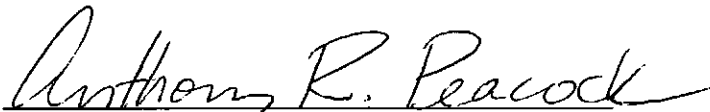
Exhibit A, Page 2 of 3 Pages

Thence, through and across said 122.9334 acre tract (Tract 1), the following five (5) courses:

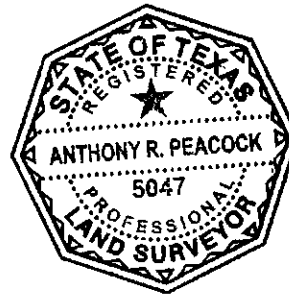
1. North 03 degrees 08 minutes 17 seconds West, a distance of 560.00 feet to the beginning of a curve to the left, for the northwest corner of the herein described tract;
2. 39.61 feet along the arc of said curve to the left, having a radius of 380.00 feet, a central angle of 05 degrees 58 minutes 21 seconds and a chord that bears North 83 degrees 54 minutes 45 seconds East, a distance of 39.59 feet to a northwesterly angle point of the herein described tract;
3. South 09 degrees 04 minutes 26 seconds East, a distance of 120.67 feet to a northwesterly interior angle point of the herein described tract;
4. North 84 degrees 48 minutes 46 seconds East, a distance of 160.72 feet to an angle point of the herein described tract;
5. North 87 degrees 29 minutes 11 seconds East, a distance of 282.26 feet to an angle point at the northeast corner of the herein described tract;

Thence, through and across said 122.9334 acre tract (Tract 1) and said 0.2008 acre tract (Tract 2), South 02 degrees 30 minutes 49 seconds East, a distance of 445.02 feet to the **POINT OF BEGINNING** and containing 5.161 acres (224,831 square feet) of land.

This description was prepared in conjunction and accompanies an Exhibit Map prepared by Miller Survey Group.

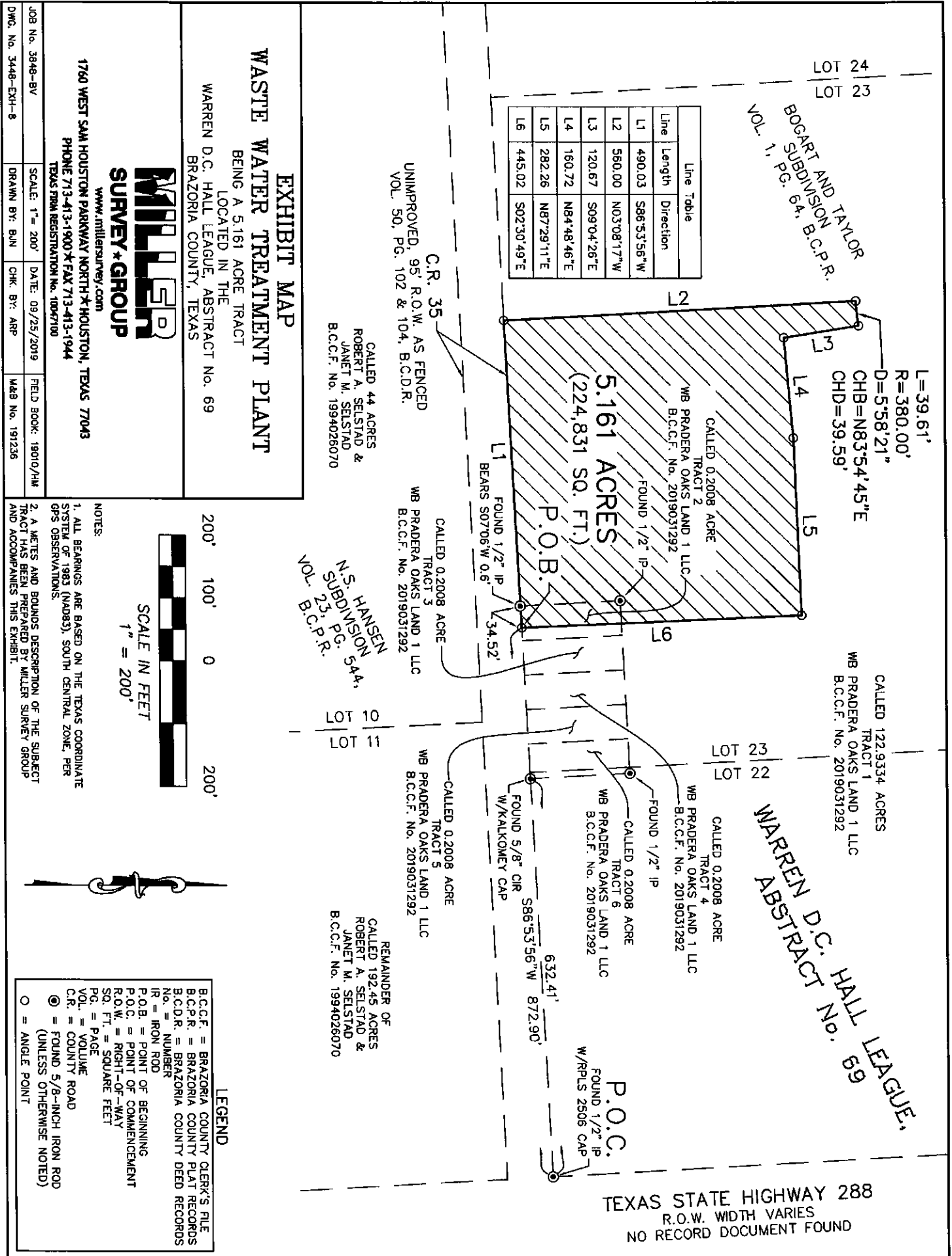


Anthony R. Peacock, R.P.L.S.
Texas Registration No. 5047



Miller Survey Group
www.millersurvey.com
Texas Firm Reg. No. 10047100
Ph: (713) 413-1900
M&B No. 191236
Dwg. No. 3848-EXH-8
Date: September 25, 2019

A:\3848-PRADERA OAKS\DWG\3848-EXH-B.DWG 8/25/18 B.Joy Noah



FILED and RECORDED

Instrument Number: 2020065357

Filing and Recording Date: 11/04/2020 02:38:57 PM Pages: 12 Recording Fee: \$66.00

I hereby certify that this instrument was FILED on the date and time stamped hereon and RECORDED in the OFFICIAL PUBLIC RECORDS of Brazoria County, Texas.



A handwritten signature in black ink, which appears to read "Joyce Hudman".

Joyce Hudman, County Clerk
Brazoria County, Texas

ANY PROVISION CONTAINED IN ANY DOCUMENT WHICH RESTRICTS THE SALE, RENTAL, OR USE OF THE REAL PROPERTY DESCRIBED THEREIN BECAUSE OF RACE OR COLOR IS INVALID UNDER FEDERAL LAW AND IS UNENFORCEABLE.

DO NOT DESTROY - Warning, this document is part of the Official Public Record.

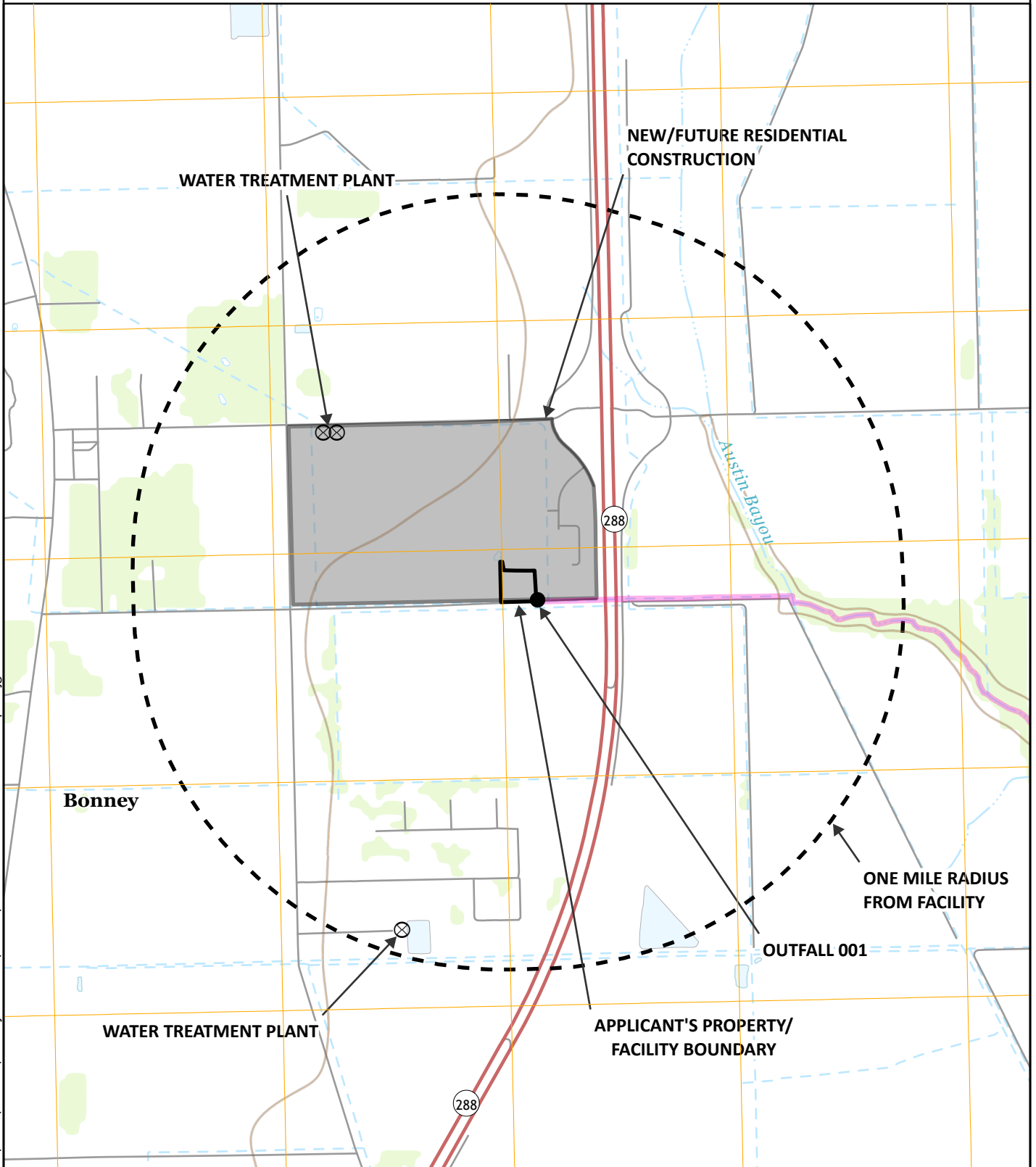
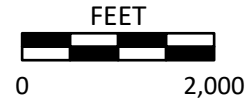
cclerk-april

ATTACHMENT D

**USGS Map
Admin Rpt 1.0, Section 13**



PLUMMER



⊗ Public Supply Wells

ATTACHMENT D.1
TWU - WHOLESALE SERVICES, INC.
PRADERA OAKS WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
USGS MAP

Note: See Attachment D.2 for
3-mile downstream route.



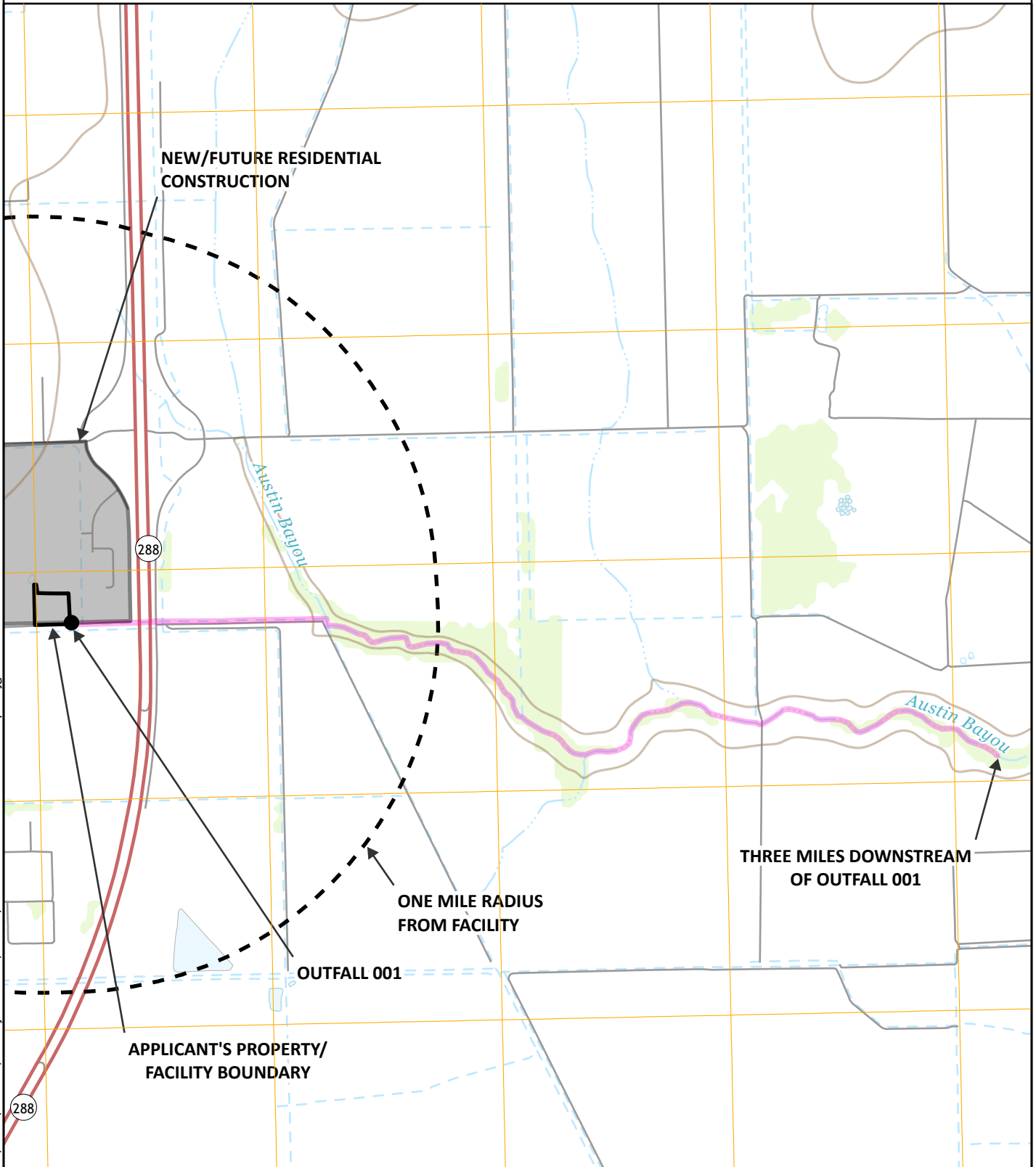
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FEET



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2,000



Note: See Attachment D.1 for public supply wells and water treatment facilities.

ATTACHMENT D.2

TWU - WHOLESALE SERVICES, INC.

PRADERA OAKS WASTEWATER TREATMENT FACILITY

TPDES PERMIT RENEWAL APPLICATION

USGS MAP

ATTACHMENT E

**List of Treatment Units
Tech Rpt 1.0, Section 2.B**

ATTACHMENT E
TWU - WHOLESALE SERVICES, INC.
PRADERA OAKS WASTEWATER TREATMENT FACILITY
TPDES PERMIT RENEWAL APPLICATION
LIST OF TREATMENT UNITS

EXISTING/INTERIM I PHASE (0.135 MGD)

Treatment Unit	Number of Units	Dimensions
Anoxic Selector Basin	1	1,568 ft ³
Aeration Basins	2	9,947 ft ³ (Combined)
Secondary Clarifier	1	26' Dia. x 10.26' SWD
Chlorine Contact Basin	1	1,114 ft ³
Sludge Thickener	1	8' Dia. x 10' SWD
Aerobic Digesters	2	6,274 ft ³ (Combined)

INTERIM II PHASE (0.27 MGD)

Treatment Unit	Number of Units	Dimensions
Anoxic Selector Basins	2	3,135 ft ³ (Combined)
Aeration Basins	4	19,895 ft ³ (Combined)
Secondary Clarifiers	2	26' Dia. x 10.26' SWD (Each)
Chlorine Contact Basin	1	3,772 ft ³
Sludge Thickener	1	8' Dia. x 10' SWD
Aerobic Digesters	2	13,814 ft ³ (Combined)

FINAL PHASE (0.5 MGD)

Treatment Unit	Number of Units	Dimensions
Anoxic Selector Basins	2	3,135 ft ³ (Combined)
	1	3,040 ft ³
Aeration Basins	4	19,895 ft ³ (Combined)
	2	16,618 ft ³ (Combined)
Secondary Clarifiers	2	26' Dia. x 10.26' SWD (Each)
	2	34' Dia. x 10.26' SWD (Each)
Chlorine Contact Basins	2	3,772 ft ³ (Each)
Dechlorination Basin	1	80 ft ³
Sludge Thickeners	2	8' Dia. x 10' SWD (Each)
Aerobic Digesters	2	13,814 ft ³ (Combined)
	1	12,994 ft ³

ATTACHMENT F

**Process Flow Diagram
Tech Rpt 1.0, Section 2.C**

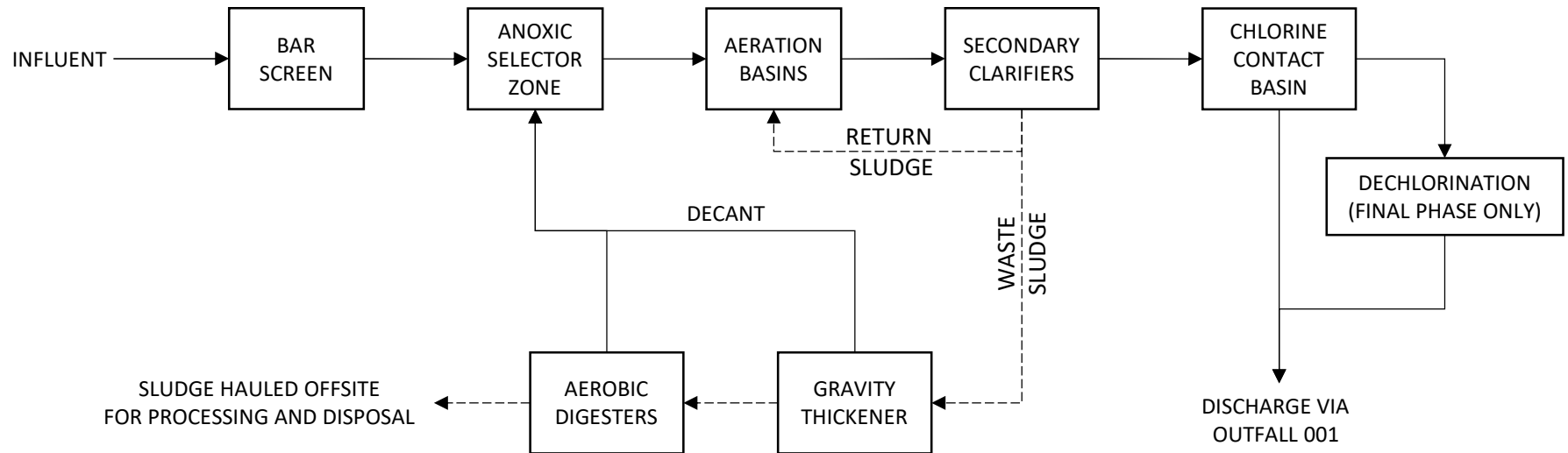


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LEGEND

—— FLOW STREAM, LIQUIDS

----- FLOW STREAM, SOLIDS



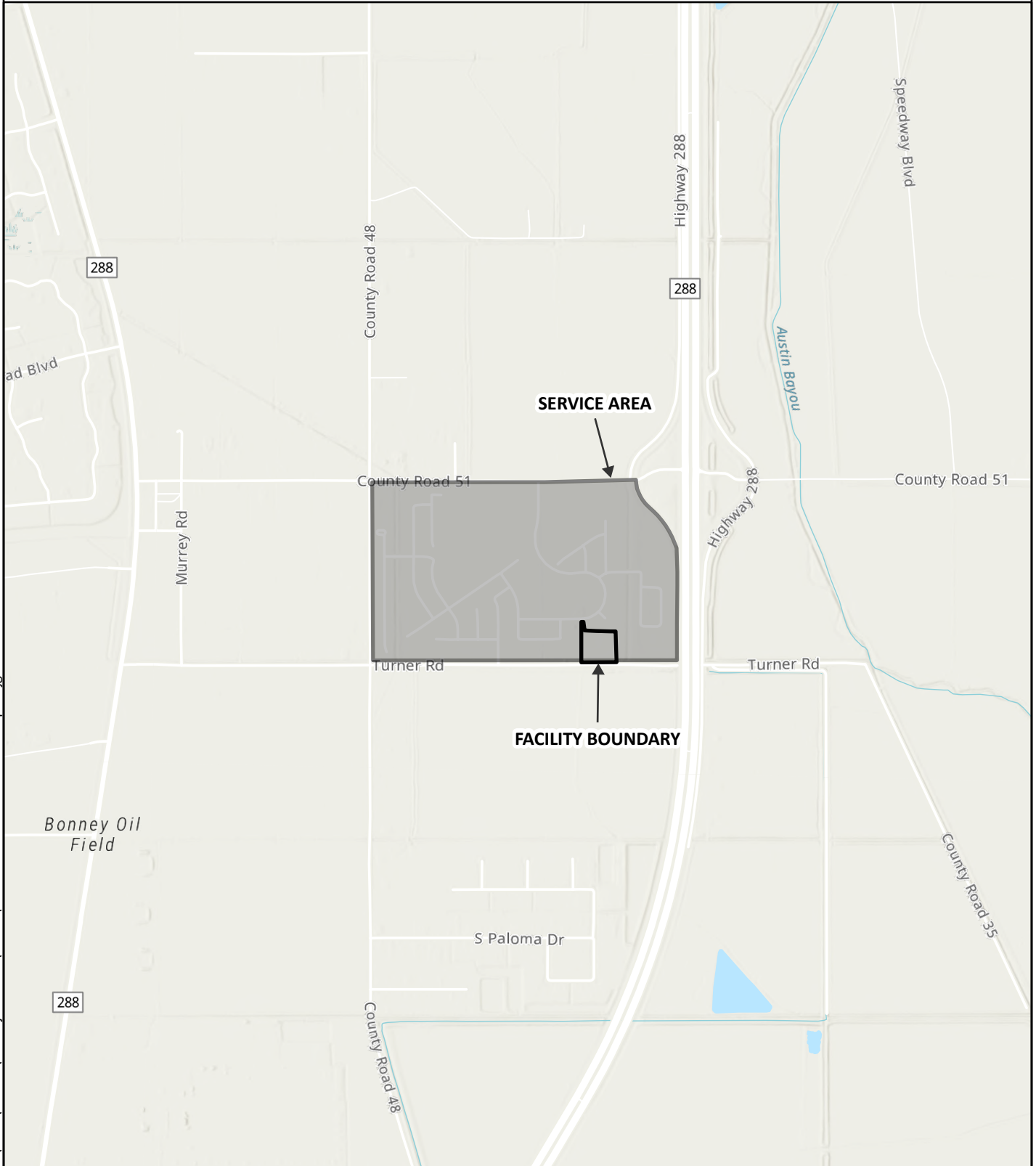
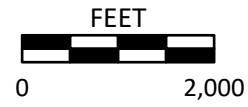
ATTACHMENT F
 TWU - WHOLESALE SERVICES, INC.
 PRADERA OAKS WASTEWATER TREATMENT FACILITY
 TPDES PERMIT RENEWAL APPLICATION
 PROCESS FLOW DIAGRAM – ALL PHASES

ATTACHMENT G

**Site Drawing
Tech Rpt 1.0, Section 3**



PLUMMER



ATTACHMENT G

TWU - WHOLESALE SERVICES, INC.

PRADERA OAKS WASTEWATER TREATMENT FACILITY

TPDES PERMIT RENEWAL APPLICATION

SITE DRAWING MAP

ATTACHMENT H

**Summary Transmittal Approval Letter
Tech Rpt 1.0, Section 6.A**

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 25, 2021

D. Ray Young, P.E.
WATERENGINEERS, Inc.
17230 Huffmeister Road, Suite A
Cypress, TX 77429-1643

Re: Brazoria County Municipal Utility District 44
Pradera Oaks Wastewater Treatment Plant
Permit No. WQ0015837-001
WWPR Log No. 1220/074
CN603067091, RN110895281
Brazoria County

Dear Mr. Young:

On December 15, 2020, TCEQ received the project summary transmittal letter dated December 15, 2020 for a new new wastewater treatment plant for the Pradera Oaks subdivision in Brazoria County Texas. This current submittal is an update to WWPR Log # 1120/077 and is submitted to acknowledge the need for a third variance to 30 TAC Chapter 217 requirements for color coding of the plant piping. The Water Quality permit is currently processing through the permitting process. The current draft permit currently has the following flow phases:

Phase	Average Daily Flow (MGD)	Peak Daily Flow (MGD)
Interim I	0.10	0.40
Interim II	0.20	0.80
Final	0.50	2.0

The plant will be required to produce an effluent to meet the permitted effluent concentration limits of 10 mg/l of CBOD₅, 15 mg/l of TSS, 3 mg/l of NH₃-N, and 126 cfu/100 ml for E. coli with a minimum dissolved oxygen concentration of 5 mg/l. The details of the proposed plant are listed below.

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

The proposed wastewater treatment plant will be a concrete activated sludge plant designed for an average daily flow of 135,000 gpd and a 4Q of 475 gpm (540,000 gpd). The treatment plant will be comprised of the following units:

- Bar screen
- 1,568 ft³ anoxic selector basin
- 9,947 ft³ of aeration basin (2 aeration basin trains)

Other equipment will include

- Secondary clarifier 26 ft. diameter, 10.86 ft. SWD
- 1,114 ft³ chlorine contact basin, three intermediate baffles
- Sludge thickener; 8 ft. diameter, 10 ft. SWD
- 2 aerobic digesters, total volume 6,274 ft³
- RAS/WAS Air lift pumps
- 10% sodium hypochlorite, chlorine solution feed system
- 2- 40 HP centrifugal blowers
- 200 KW emergency natural gas generator, 400 A auto transfer switch
- Non-potable water system; purple piping

The submitted documentation also contain requests for two variances 30 TAC Chapter 217 requirements:

- The first request is for a variance to 30 TAC Chapter 217.33(c)(2)(A) which requires and weir approach channel to be 20 times the expected height over the weir at peak flow conditions. Spatial considerations do not allow for the required distance. From the information submitted the distance available should be able to provide for uniform flow over the weir therefore the variance is granted.
- The second variance is to 30 TAC Chapter 217.281(a)(2) which requires the initial mixing zone to provide 500G per second for a velocity gradient. The system design includes 2- 90° elbows after initial mixing and the first two chambers of the disinfection basin are aerated which should enable the complete effluent to contact the chlorine solution. This variance is conditionally granted based on the condition that the all associated permitted limits be continually met. If issues arise this variance will be revisited.
- The final requested variance is to 30 TAC Chapter 217.329 which requires color coding of piping at wastewater plants. After talking with the Engineer concerning this request it was determined that the main reason for this variance request was to avoid having to color code the compressed air lines connected to the centrifugal blowers. It was also relayed that the typical non-potable water lines, and wastewater lines will be color coded as required; purple and green respectively. The stainless-steel air lines will be in standard stainless-steel color. Upon obtaining the assurance and reasoning from the Engineer, TCEQ is granting the requested variance for not following the standard color coding of all lines.

The TCEQ review of the submitted documentation seems to indicate that the plant as designed, with the inclusion of the requested variances meets at least the minimum requirements of 30 TAC Chapter 217: Design Criteria for Wastewater Systems. Given the result of the TCEQ review the project as designed is conditionally approved for completion. This conditional approval is based on the conditions currently listed in the draft permit being the same in the final issued permit. If the effluent concentration limits in the final permit are more stringent this project should be submitted for a subsequent review.

Due to the limits of the permits this conditional approval is for the plant at an average daily flow of 0.10 MGD with its corresponding peak daily flow of 0.40 MGD. If the desire is to treat the design average daily flow of 0.135 MGD with its corresponding 4Q peak daily flow a permit amendment should be initiated.

D. Ray Young, P.E.
Page 3
January 25, 2021

You must keep certain materials on file for the life of the project and 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 Chapter 217. All plans and specifications must conform to any waste discharge requirements authorized in a permit by the TCEQ. Certain specific items which shall be addressed in the engineering report are discussed in §217.10. Additionally, the engineering report must include all constants, graphs, equations, and calculations needed to show substantial compliance with Chapter 217.

If in the future, additional variances from the Chapter 217 requirements are desired for the project, each variance must be requested in writing by the design engineer. Then, the TCEQ will consider granting a written approval to the variance from the rules for the specific project and the specific circumstances.

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

Please be reminded of 30 TAC §217.7(a) of the rules which 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) 239-1372.

Sincerely,


Paul A. Brochi, P.E.
Wastewater Permits Section (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

PAB/tc

bcc: TCEQ, Region 12 Office

waiting for original

WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD. SUITE A
CYPRESS, TEXAS 77429
TEL : 281-373-0500
FAX : 281-373-1113

resubmitted
of 1120/077

December 15, 2020

Mr. Louis C. Herrin III, P.E.
TCEQ Wastewater Permits Section
P.O. Box 13807
Austin, Texas 78711-3087

1-14-21
Left vm to send
hardcopy

Re: Chapter 217 Summary Transmittal Letter
Pradera Oaks Wastewater Treatment Plant
TPDES Permit No. WQ0015837001
Brazoria County, Texas

✓ OK
11/19/2021

1120/074
CN60306709/
RV11089528/

Dear Mr. Herrin,

This Summary Transmittal Letter is intended to replace the one sent by WaterEngineers, Inc. on November 20, 2020. The reason for this revision is to provide additional information regarding the color coding of piping and request an additional variance from the requirements of TCEQ Chapter 217 Design Criteria for Domestic Wastewater Systems.

50710

The purpose of this letter is to provide TCEQ with the information necessary to comply with the requirements of the 217.1(6)(d) of the TCEQ's rules entitled, Design Criteria for Domestic Wastewater Systems. The design meets or exceeds TCEQ Chapter 217 Design Criteria for Domestic Wastewater Systems for which the system was designed. The information includes:

1. WATERENGINEERS, INC. (TBPE Firm No. 2066), located at 17230 Huffmeister Road, Suite A, Cypress, Texas 77429 has prepared engineering plans, specifications, and a Final Design Report for the Pradera Oaks Wastewater Treatment Plant (WWTP).
2. D. Ray Young, P.E., with the engineering firm of WATERENGINEERS, INC., is the responsible engineer for the design of the Pradera Oaks Wastewater Treatment Plant. He can be reached by telephone at 281-373-0500, by fax at 218-373-1113, or by email at d.ray@waterengineers.com.
3. The project is located approximately 2,450 feet south of County Road 51 (Cannon Road) and approximately 1,100 feet west of State Highway 288 in Bonney, Brazoria County, Texas 77046.
4. The name of the project is Pradera Oaks Wastewater Treatment Plant. The owner of the WWTP is Metro Water Systems, Inc., who will also operate and manage the WWTP.
5. The WWTP will provide treatment for the domestic wastewater from the proposed Pradera Oaks subdivision.
6. The TPDES permit is currently pending, but expected to be issued within the next 30 days. The permit information included in this Summary Transmittal Letter is based on the draft permit. The TPDES discharge permit will be issued to Brazoria County MUD 44 and the permit number is WQ0015837001. The developer originally had the permit issued to Brazoria County MUD 44 but has since contracted with Metro Water Systems, Inc., an affiliate of SouthWest Water Company, Inc., and will have the permit transferred into their name upon issuance. The permit provides for three phases; an Interim I Phase of 0.100 MGD with a 2-hour peak of 278 gallons per minute (gpm), an Interim II Phase of 0.200 MGD with a 2-hour peak of 556 gpm and a Final Phase of 0.500 MGD

New Permit
0.50 MGD

I1 0.10/1.4 10/15/3.0/126
I2 0.20/1.8 CBOD
Final 0.50/2.0 5 mg DO

with a 2-hour peak of 1,389 gpm. All three phases have BOD/TSS/NH₃-N limits of 10/15/3 mg/L, respectively.

7. The plans and specifications which describe the project identified in this letter are in substantial compliance with all of the requirements of 30 TAC Chapter 217.
8. Any variances from Chapter 217 requirements are minor and will not threaten public health of the environment based on my best professional judgement.
9. The proposed wastewater treatment plant is designed as a concrete activated sludge plant for an average daily flow of 135,000 gallons per day (gpd) with a two-hour peak flow of 375 gpm (0.540 MGD). The design influent BOD strength is 300 mg/l (338 lbs. BOD/day). The TPDES permit for the plant is based on a 4Q peak, which is the basis of design.

Wastewater will flow to the plant site from an offsite lift station through an 8-inch force main into the proposed bar screen of the proposed WWTP.

Flow from the bar screen will enter the 1,568-cubic feet Selector (Anoxic) Basin, then flow to the Aeration Basins. The aeration (aerobic) basin process is divided into two aeration process trains with a total volume of 9,947 cubic feet. The Aeration Basin BOD design loading is 34.0 lb. BOD/1000 cubic feet, based on an influent BOD of 338 lbs. BOD/day. The detention time in the aerated basins is 13.2 hours (based on Qi only). The plant is divided into anoxic/aerobic/aerobic compartments to facilitate conversion to a Modified Ludzack Ettinger process in the future.

Mixed liquor from both aeration trains will flow into the 26-foot diameter by 10.26-foot side water depth (SWD) Secondary Clarifier through slide gated openings. The clarifier will have a mechanical sludge collector and a full surface skimmer. Settled sludge will be air lifted to the Selector Basin with a 6-inch return sludge airlift pump or to the gravity sludge thickener or one of the two Aerobic Digesters with 4-inch WAS airlift pumps. The clarifier overflow rate at the peak 2-hour flow is 1,017 gpd/sq. ft. and the detention time is 1.81 hours. Scum will be collected from the clarifier surface with a full surface length slotted pipe. The scum will be flow through a 3-inch scum airlift pump to the Selector Basin.

Waste activated sludge will be transferred from the clarifier to the sludge thickener influent chamber with a 4-inch WAS airlift pump. Thickened sludge will be transferred to Aerobic Digester No. 1 with another 4-inch airlift pump. Both airlift pumps will be supplied with air through solenoid valves that will operate on timers to automate the wasting/sludge thickening process. Thickened sludge from Aerobic Digester No. 1 will be transferred to Aerobic Digester No. 2 with a manually operated 4-inch airlift. Aerobic Digester No. 2 can be decanted to further thicken sludge prior to removal with vacuum trucks.

Clarified effluent will be dosed with chlorine solution at the clarifier launder effluent pipe and will flow into the aerated, baffled Chlorine Contact Basin. The Chlorine Contact Basin will have three intermediate baffles with an overall volume of 1,114 cubic feet (8,333 gallons), providing a detention time of 22.2 minutes at the two-hour peak flow rate of 540,000 gpd. An effluent ultrasonic flow meter and chart recorder will document effluent flow and provide a flow-paced signal to the peristaltic chlorine solution feed pump.

6274 Pt 3 digester (2)
8' dia 10 ft SWD
Sludge thickener

10% sodium hypochlorite solution will be stored in a 175-gallon polyethylene vertical tank, nested in a 250-gallon containment basin to provide spill protection. The solution feed pump will be a 60.0 gpd peristaltic pump that is flow paced with a 4-20 mA signal from the flow meter.

Two 40 HP multistage centrifugal blowers, electrical distribution and disconnect equipment, equipment control panels, an effluent flow chart recorder and the alarm auto dialer will be housed in the proposed Operations Building.

A 200-kW natural gas auxiliary generator and 400-amp automatic transfer switch will be installed at the wastewater treatment plant site to provide emergency power to the equipment during commercial electrical outages.

In accordance with TCEQ 30 TAC Chapter 217.329 Color Coding of Pipes, non-potable water piping will be painted purple and will be stenciled "NON-POTABLE WATER, DO NOT DRINK" and "NO BEBE EL AGUA". Piping containing raw sewage will be stenciled "RAW SEWAGE".

Design variances include not having a straight channel length of 20 times the head over the effluent weir and not always providing the required G500 intense mixing zone at the point of dosing with sodium hypochlorite. Sodium hypochlorite is introduced at the clarifier launder trough effluent. There are two 90-degree bends in the piping leading to the Chlorine Basin to ensure mixing. The first two chambers of the Chlorine Basin are aerated to further provide complete contact between the final effluent and the sodium hypochlorite disinfectant. Experience with similar designs verified that destruction of coliform organisms is 99.9% effective. Therefore, innovative or nonconforming technologies are not a part of this design. Additionally, due to the extremely high cost of sandblasting and painting all piping, we request to be granted a variance to the requirements of 30 TAC Chapter 217.329 for color coding of piping at wastewater treatment plants.

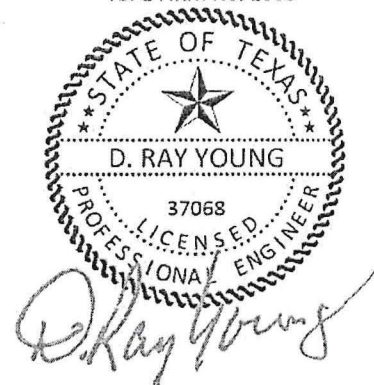
10. I, D. Ray Young, certify that to the best of my knowledge the plans and specifications for the proposed wastewater treatment system are in substantial compliance with the requirements of Chapter 217.

If you have any questions regarding this project, please contact me by telephone at 281-373-0500, by fax at 281-373-1113, or by email at d.ray@waterengineers.com.

Sincerely,
WATERENGINEERS, INC.

D. Ray Young, P.E.
Principal Engineer

WaterEngineers, Inc.
TBPE FIRM No. 2066



Mr. Louis C Herrin III, P.E.
Summary Transmittal Letter
Pradera Oaks WWTP
December 15, 2020
Page 4 of 4

Enclosures: Draft TPDES Permit No. WQ0015837001
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Sheet 2 Process Schematic & Hydraulic Profile
Sheet 3 Service Area
Sheet 4 Site Plan
Sheet 7 Mechanical Upper Plan
Sheet 10 Mechanical Sections 1
Sheet 11 Mechanical Sections 2
Sheet 12 Mechanical Sections 3
Sheet 13 Mechanical Sections 4

cc: Paul Brochi via email to paul.brochi@tceq.texas.gov
Yonas Hagos via email to yhagos@swwc.com
Todd Danielson via email to tdanielson@swwc.com
TCEQ Region 12 via email to R12WQ@tceq.texas.gov

1220/074

December 15, 2020

Mr. Louis C. Herrin III, P.E.
TCEQ Wastewater Permits Section
P.O. Box 13807
Austin, Texas 78711-3087

RECEIVED

JAN 15 2021

WATER QUALITY DIVISION
TCEQ

Re: Chapter 217 Summary Transmittal Letter
Pradera Oaks Wastewater Treatment Plant
TPDES Permit No. WQ0015837001
Brazoria County, Texas

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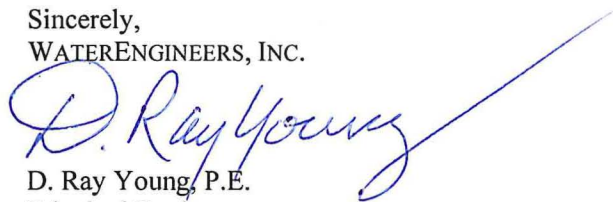
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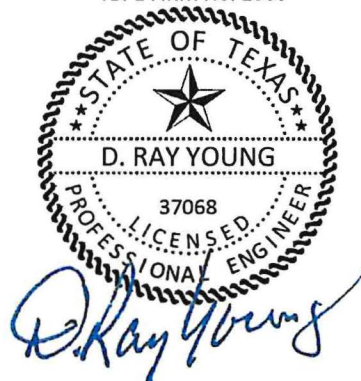
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Sincerely,
WATERENGINEERS, INC.


D. Ray Young, P.E.
Principal Engineer

WaterEngineers, Inc.
TBPE FIRM No. 2066



Mr. Louis C Herrin III, P.E.
Summary Transmittal Letter
Pradera Oaks WWTP
December 15, 2020
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Sheet 12 Mechanical Sections 3
Sheet 13 Mechanical Sections 4

cc: Paul Brochi via email to paul.brochi@tceq.texas.gov
Yonas Hagos via email to yhagos@swwc.com
Todd Danielson via email to tdanielson@swwc.com
TCEQ Region 12 via email to R12WQ@tceq.texas.gov

ATTACHMENT B
DESIGN & LOADING CRITERIA
PRADERA OAKS 135,000 GPD CONCRETE WWTP WITH SLUDGE THICKENER

Parameter	Value
INFLUENT CONDITIONS	
Design Average Daily Flow, gpd	135,000
BOD, mg/l	300
Ratio Average/Peak Flow	4.00
Peak 2-Hour Flow, gpd	540,000
Peak 2-Hour Flow, gpm	375
BOD, lb/day	338
AERATED TANK CONFIGURATION	
Total Wall Height, ft	12.0
Freeboard, ft	1.5
Side Water Depth (Normal Flow)	10.50
SELECTOR ZONE	
Min. Detention Required, hours	2.00
Volume Required, cu ft	1,504
Area Required, sq ft	143.24
Chosen Area, sq ft	149.29
Volume of Chosen Area, cu ft	1,568
Detention of Chosen Area, hours	2.08
Air Supply Required @ 20 scfm/1000 cu ft	31.4
ACTIVATED SLUDGE AERATION BASINS	
Allow Aeration Basin Load, Lb BOD/1000 cu ft	35.00
Total Aeration Basin Volume Req'd, cu ft	9,651
Aeration Basin Depth, ft	10.37
Total Basin Area Req'd, sq ft	930.62
Chosen Aeration Basin Area, ft	959.24
Total Aeration Basin Volume, cu ft	9,947
Aeration Basin Loading, #BOD/1000 cu ft	34.0
Detention (@Qave), hours	13.2
O2 Req'd @ 2.2 # O2/lb BOD	743
Correction Factor (Fine Bubble Diffusers)	0.45
Air Diffuser SOTE @10 ft Submergence, %	17.00%
Required Air Flow Rate, scfm	391
Temp Adjustment Factor @ 30 deg F	1.27
Adjusted Air Flow Requirements, scfm	496
Air Flow/Diffuser, scfm	6.2
No. Diffuser Membranes Provided	80
Air Supply, scfm/1000 cf	50
CLARIFIER	
Wall Height, ft	12.00
Side Water Depth, ft	10.26
Allowable Surface Overflow Rate @ Qp, gpd/sf	1200
Diameter Based on OFR Criteria, ft	23.94
Minimum Detention @ Qp, hours	1.80
Diameter Based on Min. Detention, ft	25.92
Minimum Clarifier Diameter, ft	25.92
Chosen Clarifier Diameter, ft	26
Center Well Diameter, ft	4
Total Settling Area, sq. ft.	530.93
Total Volume, cu. ft	5,447
Avg. SOR, gpd/sq ft	254
Peak SOR, gpd/sq ft	1,017
Avg. Detention, hr	7.24
Peak Detention, hr	1.81
Return Sludge Flow, gpm (@400 gpd/sq ft)	147.5

Parameter	Value
CHLORINE CONTACT CHAMBER	
Min Peak Flow Detention, min	20
Required Volume, cu ft	1002.67
Wall Height, ft	12
Maximum Depth, ft	8.98
Required Surface Area, sq ft	111.66
Chosen Surface Area, sq ft	124
Volume of Chosen Area, cu ft	1,114
Detention @ Peak Flow	22.21
Air Supply Req'd, scfm (@ 10 scfm/1000 cu ft)	11.14
GRAVITY SLUDGE THICKENER	
Mixed Liquor Flow to Thickener, gpd	15,504
Mixed Liquor Flow to Thickener, gal/hour	646
Sludge Solids in Feed to Thickener, lb/day	1,034
Proposed Thickener Diameter, ft	8.00
Proposed Thickener SWD, ft	10.00
Thickener Floor Area, sq ft	50.27
Thickener Volume, cu ft	503
Thickener Floor Loading, lbs/sq ft/day	25.72
Thickener Detention, hours	5.82
AEROBIC DIGESTION	
Allowable Load, cu ft/Lb BOD	20
Req'd Volume, cu ft	6,755
Req'd Surface Area, sq ft	643
Chosen Surface Area, sq ft	598
Volume for Chosen Surface Area, cu ft	6,274
Loading for Chosen Area, cu ft/# BOD	18.57
Aeration Supply Rate, scfm/1000 cu ft	25
Total Digester Air Supply Req'd, scfm	156.84
No. Diffusers Installed	25
Air Flow Rate Per Diffuser, scfm	6.20
AIR SUPPLY BLOWERS	
Selector Zone Air Supply, scfm	31.4
Aeration Process Air Supply, scfm	495.7
Skimmer Airlift Air Supply, scfm	6
RAS Airlift Air Supply, scfm	29.5
Digester Process Air Supply, scfm	157
Chlorine Contact Air Supply, scfm	11.1
Total Air Supply Required, scfm	731
Number of Blowers	2
Capacity of Blowers, scfm	750
Blower Operating Pressure, psi	5.5

ATTACHMENT I

**Pollutant Analysis of Treated Effluent
Tech Rpt 1.0, Section 7**



Chaparral Laboratories, Inc.



861 State Hwy 19 P.O. Box 1622 Huntsville, TX 77342-1622 www.chaparrallabs.com Phone: 936-291-1881 Fax: 936-295-1731

Certificate of Analysis

Texas Water Utilities
Attn: Melissa Rich
29801 Wichita Falls St.
Magnolia, TX 77354

Customer ID: SWWC
Sample ID: 25060405
Date Received: 06/10/2025
Date Reported: 06/23/2025

Project: Pradera Oaks
Location: Harris County, TX

Analytical Results

Collection Point: Effluent	Flow (MGD): 0.001	Collected: 06/10/2025 08:27
Sample Type: Grab		Collector: MHE

Parameter	Result	Units	Date/Time	Analyst	Bottle	Method	QC ID	Acrid
HEM (O&G)	<5.1	mg/L	06/19/2025 09:42	JCG	-08	EPA 1664 A	QC2506355	NELAP

Collection Point: Effluent	Flow (MGD): 0.001	Collected: 06/10/2025 08:30
Sample Type: Grab		Collector: MHE

Parameter	Result	Units	Date/Time	Analyst	Bottle	Method	QC ID	Acrid
CBOD5	<3.0	mg/L	06/11/2025 07:43	EIB	-01	SM 5210 B	QC2506198	NELAP
TSS	6.1	mg/L	06/11/2025 09:50	JAM	-02	SM 2540 D	QC2506184	NELAP
Ammonia Nitrogen	2.7	mg/L	06/11/2025 09:26	JFL	-03	SM 4500-NH3 D	QC2506177	NELAP
Total Kjeldahl Nitrogen	6.2	mg/L	06/13/2025 11:05	JCG	-03	SM 4500-NH3 C	QC2506280	NELAP
Total Phosphorus	3.6	mg/L	06/13/2025 11:00	JCG	-03	SM 4500-P E	QC2506281	NELAP
Alkalinity	284.0	mg/L CaCO3	06/13/2025 15:40	DKH	-04	SM 2320 B	QC2506228	NELAP
Chloride	71.3	mg/L	06/13/2025 23:54	DKH	-04	EPA 300.0	QC2506194	NELAP
Nitrate Nitrogen	0.2	mg/L	06/11/2025 01:15	DKH	-04	EPA 300.0	QC2506192	NELAP
Sulfate	20.5	mg/L	06/11/2025 01:15	DKH	-04	EPA 300.0	QC2506193	NELAP
Total Dissolved Solids	604.0	mg/L	06/13/2025 14:20	DKH	-04	SM 2540 C	QC2506295	NELAP
Dissolved Oxygen	7.0	mg/L	06/10/2025 08:33	MHE	-07	SM 4500-O G	QC2506174	Field
pH	8.0	SU	06/10/2025 08:33	MHE	-07	SM 4500-H+B	QC2506173	Field

Collection Point: Effluent	Flow (MGD): 0.001	Collected: 06/10/2025 08:43
Sample Type: Grab		Collector: MHE

Parameter	Result	Units	Date/Time	Analyst	Bottle	Method	QC ID	Acrid
Escherichia coli	<1.0	MPN/100mL	06/10/2025 15:20	JAM	-05	SM 9223 B	QC2506171	NELAP
Chlorine, Residual (Total)	1.4	mg/L	06/10/2025 08:43	MHE	-06	SM 4500-Cl F	QC2506175	Field

Quality Control



Chaparral Laboratories, Inc.



861 State Hwy 19 P.O. Box 1622 Huntsville, TX 77342-1622 www.chaparrallabs.com Phone: 936-291-1881 Fax: 936-295-1731

Certificate of Analysis

Texas Water Utilities
Attn: Melissa Rich
29801 Wichita Falls St.
Magnolia, TX 77354

Customer ID: SWWC
Sample ID: 25060405
Date Received: 06/10/2025
Date Reported: 06/23/2025

Project: Pradera Oaks
Location: Harris County, TX

QC ID	Param	QC Type	Result	Units	Flag
QC2506171	Escherichia coli	Method Blank	<1.0	MPN/100mL	
		Precision Criteria	Acceptable		
		Precision Criteria	Acceptable		
QC2506173	pH	Duplicate %RPD	0	%	
QC2506174	Dissolved Oxygen	Duplicate %RPD	0	%	
QC2506175	Chlorine, Residual (Total)	Duplicate %RPD	0	%	
		LCS	100	%	
		Method Blank	<0.1	mg/L	
QC2506177	Ammonia Nitrogen	LCS	98	%	
		Matrix Spike Recovery	82	%	
		Matrix Spike Recovery	82	%	
		Matrix Spike RPD	0	%	
		Matrix Spike RPD	0	%	
		Method Blank	<0.1	mg/L	
		RPD	0	%	
		RPD	0	%	
QC2506184	TSS	Duplicate %RPD	2.3	%	
		Duplicate %RPD	1.7	%	
		LCS	94	%	
		Method Blank	<2.5	mg/L	



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Texas Water Utilities
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29801 Wichita Falls St.
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Customer ID: SWWC
Sample ID: 25060405
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Project: Pradera Oaks
Location: Harris County, TX

QC2506192 Nitrate Nitrogen

Duplicate %RPD	0	%
LCS	97.4	%
Method Blank	<0.1	mg/L
MS %R	95.5	%
MSD %R	97.6	%

QC2506193 Sulfate

Duplicate %RPD	0	%
LCS	96.3	%
Method Blank	<0.3	mg/L
MS %R	96.1	%
MSD %R	96.4	%

QC2506194 Chloride

Duplicate %RPD	0.4	%
LCS	93.4	%
Method Blank	<0.3	mg/L
MS %R	92.5	%
MSD %R	87.1	%

QC2506198 CBOD5

Duplicate %RPD	0	%
Duplicate %RPD	3.3	%
LCS	109.6	%
Method Blank	0.2	mg/L

QC2506228 Alkalinity

Duplicate %RPD	0.7	%
LCS	100.8	%
Method Blank	<20.0	mg/L CaCO ₃



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Certificate of Analysis

Texas Water Utilities
Attn: Melissa Rich
29801 Wichita Falls St.
Magnolia, TX 77354

Customer ID: SWWC
Sample ID: 25060405
Date Received: 06/10/2025
Date Reported: 06/23/2025

Project: Pradera Oaks

Location: Harris County, TX

QC2506280 Total Kjeldahl Nitrogen

Duplicate %RPD	0	%
LCS	101	%
Method Blank	<1.1	mg/L
MS %R	95	%
MSD %R	101	%

QC2506281 Total Phosphorus

Duplicate %RPD	4.1	%
LCS	95	%
Method Blank	<0.01	mg/L
MS %R	90	%
MSD %R	90	%

QC2506295 Total Dissolved Solids

Duplicate %RPD	0.7	%
Duplicate %RPD	0.2	%
LCS	103.2	%
Method Blank	<25.0	mg/L

QC2506355 HEM (O&G)

Duplicate %RPD	2	%
LCS	98.3	%
Method Blank	<5.0	mg/L
MS %R	93.4	%



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Certificate of Analysis

Texas Water Utilities
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Customer ID: SWWC
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Location: Harris County, TX

The analytical results in this Certificate of Analysis relate only to the samples tested. This Certificate of Analysis, with its corresponding Chain of Custody, completes the data package. This data package may not be reproduced, except in full, without the written approval of Chaparral Laboratories, Inc.

($<$) = Result was below quantitation limits.

($>$) = Result was above quantitation limits.

Acceptable = meets Precision Criteria

Unacceptable = does not meet Precision Criteria.

Samples analyzed for Oxygen Uptake Rate are diluted to $<2\%$ total solids for analysis.

Results reported as mg/kg, %, or CFU/g/TS are calculated on a dry weight basis, unless otherwise noted.

Precision Criteria for Fecal Coliform, Escherichia coli and Enterococci analyses are calculated according to SM 9020 B 8.5.b.

*Note 1: Laboratory Approval by TCEQ

*Note 11: The form TCEQ-10525 (Rev. 11/2023) submitted to Chaparral Laboratories, Inc. is TCEQ's required documentation for all active PWS Total Coliform analysis on Drinking Water in the State of Texas. Please refer to the completed form TCEQ-10525 (Rev. 11/2023) for all reporting purposes.

Approved by David H. Veinotte
Laboratory Director



Chaparral Laboratories, Inc.

861 State Hwy 19 P.O. Box 1622 Huntsville, TX 77342 www.chaparrallabs.com reports@chaparrallabs.com Phone: 936-291-1881 FAX: 936-295-1731

Chain of Custody Record

CLI-727	COC Page 1 of 1	Report to:	Sample Type Grab 3 pt. Comp. 6 pt. Comp. 24 Hr. Comp. 48 Hr. Comp.	Bottle Code G = Glass GA = Glass Amber P = Plastic W = Throwbag	Preservative Code 1 = 65 °C 2 = H2SO4 RIL- 3 = HNO3 RIL- 4 = NaOH RIL- 5 = HCl RIL- 6 = Na2S2O3 7 = On-Site Analysis 8 = Other RIL- 9 = BDA RIL-	Lab remarks:
Client:	Texas Water Utilities	Invoicing to:	Matrix Code D = Drinking Water NP = Non-Pot Water S = Solids/Soil			 25060405 Pradera Oaks SMMC
Attn:	Melissa Rich					
Address:	29801 Wichita Falls St.					
City, State, Zip:	Magnolia, TX 77354					
Phone #:	214-680-9099	PO#				

Project ID:	Pradera Oaks WWTP	Project Address:	Operator Name:	Collection Schedule:
Sampled by:	MHE	Key/Combo:	Operator Cell:	
Lab Use Only		Sample Type	Matrix	Date Collected

Sample #	Bottle #	Collection Point	Sample Type	Matrix	Date Collected	Time Collected	Flow (mgd)	Bottle Code	Vol (mls)	Pres. Code	Analysis
25060405	01	EFF	Grab	NP	6-10-25	0830	0.0001	P	1000	1	CBOD5
	02	EFF	Grab	NP				P	1000	1	TSS
	03	EFF	Grab	NP				P	500	1,2	NH3N, TKN, T-P
	04	EFF	Grab	NP				P	1000	1	Chloride, NO3N, SO4, TDS, ALK
	05	EFF	Grab	NP				P	250	1,6	E. coli
	06	EFF	Grab	NP						7	CL2 1.4 mg/l (Required at the same time as the E. coli collection)
	07	EFF	Grab	NP						7	pH: 8.0 su @ 28.8 °C D.O. 7.0 mg/l (Required to be before 9 AM)
	08	EFF	Grab	NP						GA 2000 1,2	7.3 O&G

Sample Conditions as Received from Client (in field):		Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Samples Intact:	Y N	Received on Ice:	Y N				
Temp (Client Therm):	°C	Actual Temp (CLI Therm):	°C				
Corrected Temp (CLI Therm):	°C	CLI Thermometer ID:					
Sample Conditions as Received by Lab:							
Cooler ID#:	N NA	Received on Ice:	N NA				
Actual Temperature:	°C						
Corrected Temperature:	°C						
CLI Thermometer ID:							
Notes: CL2 reading before Min correction: 5.7 mg/L Min correction for CL2 analysis: 4.3 mg/L							



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

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

TWU - Wholesale Services, Inc. (CN605699578) operates Pradera Oaks Wastewater Treatment Facility (RN110895281), an activated sludge facility operated in conventional mode. The facility is located at 1222 Lantana Thicket Way, in Rosharon, Brazoria County, Texas 77583. This application is for a permit renewal to discharge treated domestic wastewater at a volume not to exceed 500,000 gallons per day.

Discharges from the facility are expected to contain 5-day carbonaceous oxygen demand, total suspended solids, ammonia-nitrogen, and *E. coli*. Domestic wastewater is treated by a bar screen, an anoxic selector basin, aeration basins, a clarifier, a chlorine contact chamber, a sludge thickener, and aerobic digesters.

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

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

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

TWU - Wholesale Services, Inc. (CN605699578) opera la planta de tratamiento de aguas residuales de Pradera Oaks (RN110895281), una instalación de lodos activados operada en modo convencional. La instalación está ubicada en 1222 Lantana Thicket Way, en Rosharon, Condado de Brazoria, Texas 77583. Esta solicitud es para renovar un permiso para descargar aguas residuales domésticas tratadas en un volumen que no exceda los 500,000 galones por día.

Se espera que las descargas de la instalación contengan demanda de oxígeno carbonoso de 5 días, sólidos suspendidos totales, nitrógeno amoniacal y E. coli. Aguas residuales domésticas están tratado por un filtro de barras, un estanque selector anóxico, cuencas de aireación, un clarificador, una cámara de contacto con cloro, un espesador de lodos y digestores aeróbico.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

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.

Example 1: Industrial Wastewater TPDES Application (ENGLISH)

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

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as “previously monitored effluents” (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility’s potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

Example 2: Domestic Wastewater TPDES Renewal application

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

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to discharge at an annual average flow of 1,200,000 gallons per day of treated domestic wastewater via Outfalls 001 and 002.

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*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 3: Domestic Wastewater TPDES New Application

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

The City of Texas (CN000000000) proposes to operate the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the extended aeration mode. The facility will be located at 123 Texas Street, in the City of More Texas, Texas County, Texas 71234.

This application is for a new application to discharge at a daily average flow of 200,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 4: Domestic Wastewater TLAP Renewal application

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

of the permit application.

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to dispose a daily average flow not to exceed 76,500 gallons per day of treated domestic wastewater via public access subsurface drip irrigation system with a minimum area of 32 acres. This permit will not authorize a discharge of pollutants into water in the state.

Land application of domestic wastewater from the facility are expected to contain five-day biochemical oxygen demand (BOD₅), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, an equalization basin, an aeration basin, a final clarifier, an aerobic sludge digester, tertiary filters, and a chlorine contact chamber. In addition, the facility includes a temporary storage that equals to at least three days of the daily average flow.

Francesca Findlay

From: Griesel, Jenni <jgriesel@plummer.com>
Sent: Monday, September 15, 2025 11:08 AM
To: Francesca Findlay
Cc: Koenings, Tres; Chuck Barry
Subject: Re: WQ0015837001: TWU – Wholesale Services, Inc.
Attachments: Municipal Discharge Renewal Spanish NORI.docx

Good morning, Francesca,

We have reviewed the NORI language and request the following revisions:

"The domestic wastewater treatment facility is located at 1222 Lantana Thicket Way, near the city of Rosharon, in Brazoria County, Texas 77583. The discharge route is from the plant site ~~via pipe~~ to a ~~roadside drainage channel~~ Brazoria County Drainage District No. 5 ditch; thence to Austin Bayou Above Tidal; thence to Austin Bayou Tidal; thence to Bastrop Bayou Tidal."

"Further information may also be obtained from ~~SWWC Utilities~~ TWU – Wholesale Services, Inc. at the address stated above or by calling Mr. Chuck Barry, Environmental Health and Safety Manager, ~~Texas Water~~ Utilities, Inc., at 737-376-2534."

Please confirm the change in the discharge route description with the WQ Assessment Team. Here is a link to Brazoria Country Drainage District No. 5's easement map showing ID No. 315-00-00 on the receiving ditch for Outfall 001: [bcdd5_03312025.pdf](#)

Attached is the Spanish translation of the NORI excerpt including the revisions above.

Thank you,

Jenni Griesel, P.E.
Project Engineer

Please note new office suite:
8911 N Capital of Texas Hwy, Bldg 1 - Ste 1350
Austin, Texas 78759
512-687-2193

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Friday, September 12, 2025 5:36 PM
To: Chuck.Barry@nexuswg.com <Chuck.Barry@nexuswg.com>
Cc: Griesel, Jenni <jgriesel@plummer.com>
Subject: FW:WQ0015837001: TWU – Wholesale Services, Inc.

CAUTION: This email originated from outside of Plummer. DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Dear Mr. Barry:

The attached Notice of Deficiency letter sent on September 12, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention September 27, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



Please consider whether it is necessary to print this e-mail

How is our customer service? Fill out our online customer satisfaction survey at <http://www.tceq.texas.gov/customersurvey>.

Francesca Findlay

From: Chuck Barry <Chuck.Barry@nexuswg.com>
Sent: Friday, October 10, 2025 1:15 PM
To: Francesca Findlay
Subject: RE: WQ0015837001: TWU – Wholesale Services, Inc.

Francesca:

As we discussed, the original permit application was submitted with the wrong customer name. It should have been submitted under TWU – Wholesale Services, Inc. which is the wholesale portion of Texas Water Utilities.

Let me know if anything else is needed.

Chuck Barry

P (281) 770-1213 | M 737-376-2534

From: Chuck Barry
Sent: Thursday, October 2, 2025 9:20 AM
To: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>; Griesel, Jenni <jgriesel@plummer.com>
Cc: Koenings, Tres <tkoenings@plummer.com>
Subject: RE: WQ0015837001: TWU – Wholesale Services, Inc.

Good Morning:

Please find the attached ePay receipt for the WQ0015837001 Pradera Oaks WWTP permit transfer application fee.

Feel free to contact me if anything else is needed.

Chuck Barry

P (281) 770-1213 | M 737-376-2534

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Friday, September 26, 2025 3:01 PM
To: Griesel, Jenni <jgriesel@plummer.com>
Cc: Koenings, Tres <tkoenings@plummer.com>; Chuck Barry <Chuck.Barry@nexuswg.com>
Subject: RE: WQ0015837001: TWU – Wholesale Services, Inc.

You don't often get email from francesca.findlay@tceq.texas.gov. [Learn why this is important](#)

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and verify the content is safe. **Use the Outlook Phish Alert Button to report suspicious emails.**

Good afternoon,

I am working on your Transfer application and I need confirmation of the payment.

Please provide the check or voucher number.
Please provide the name on the check.
Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



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How is our customer service? Fill out our online customer satisfaction survey at <http://www.tceq.texas.gov/customersurvey>.

From: Griesel, Jenni <jgriesel@plummer.com>
Sent: Monday, September 15, 2025 11:08 AM
To: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Cc: Koenings, Tres <tkoenings@plummer.com>; Chuck Barry <chuck.barry@nexuswg.com>
Subject: Re: WQ0015837001: TWU – Wholesale Services, Inc.

Good morning, Francesca,

We have reviewed the NORI language and request the following revisions:

"The domestic wastewater treatment facility is located at 1222 Lantana Thicket Way, near the city of Rosharon, in Brazoria County, Texas 77583. The discharge route is from the plant site ~~via pipe~~ to a ~~roadside drainage channel~~ Brazoria County Drainage District No. 5 ditch; thence to Austin Bayou Above Tidal; thence to Austin Bayou Tidal; thence to Bastrop Bayou Tidal."

"Further information may also be obtained from ~~SWWC Utilities~~ TWU – Wholesale Services, Inc. at the address stated above or by calling Mr. Chuck Barry, Environmental Health and Safety Manager, Texas Water Utilities, Inc., at 737-376-2534."

Please confirm the change in the discharge route description with the WQ Assessment Team. Here is a link to Brazoria Country Drainage District No. 5's easement map showing ID No. 315-00-00 on the receiving ditch for Outfall 001: [bcdd5_03312025.pdf](#)

Attached is the Spanish translation of the NORI excerpt including the revisions above.

Thank you,

Jenni Griesel, P.E.
Project Engineer

Please note new office suite:

8911 N Capital of Texas Hwy, Bldg 1 - Ste 1350
Austin, Texas 78759
512-687-2193

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Friday, September 12, 2025 5:36 PM
To: Chuck.Barry@nexuswg.com <Chuck.Barry@nexuswg.com>
Cc: Griesel, Jenni <jgriesel@plummer.com>
Subject: FW:WQ0015837001: TWU – Wholesale Services, Inc.

CAUTION: This email originated from outside of Plummer. DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Dear Mr. Barry:

The attached Notice of Deficiency letter sent on September 12, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention September 27, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



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