Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

Van Alstyne Municipal Utility District No. 3 of Collin County (CN605792969) operates Van Alstyne Municipal Utility District No. 3 WWTP (RN110899630), a wastewater treatment plant. The facility is located at 3864 Churchill Pkwy, in Anna, Collin County, Texas 75409. The design of the WWTP will be used to treat municipal wastewater for approximately 1,889 single family homes.
This application is for renewal and a major amendment to discharge at a daily average flow of 810,000 gallons per day of treated domestic wastewater via Outfalls 001 and 002.

Discharges from the facility are expected to contain Biochemical Oxygen Demand, Total Suspended Solids, Ammonia Nitrogen, and Dissolved Oxygen . Raw wastewater is treated by entering the headworks screen, split into a total of 9 aeration basins, 3 clarifiers, 5 aerobic digesters, 2 chlorine contact basins then to the outfalls .

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.

Van Alstyne Municipal Utility District No. 3 del Condado de Collin (CN605792969)) opera Van Alstyne Municipal Utility District No. 3 WWTP (RN110899630), una planta de tratamiento de aguas residuales. La instalación está ubicada en la calle 3864 Churchill Pkwy, en la ciudad de Anna, Condado de Collin, Texas 75409. La planta de tratamiento se usara para tratar el agua residual municipal generada por aproximadamente 1,889 casas familiares.
Esta solicitud es para la renovación y una enmienda importante para descargar un flujo promedio diario de 810,000 galones por día de aguas residuales domésticas tratadas a través de los desagües 001 y 002.

Se espera que las descargas de la instalación contengan contaminantes de aguas residuales estándares, como demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Oxigeno Disuelto. Las aguas residuales domesticas. están tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluyen una criba de barras, 9 tanques de aireación, 3 clarificadores, 5 digestores aerobicos, 2 tanques de contacto de cloro, y luego seran descargadas a un emisario.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0015840001

APPLICATION. Van Alstyne Municipal Utility District No. 3 of Collin County, 16000 North Dallas Parkway, Suite 350, Dallas, Texas 75248, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015840001 (EPA I.D. No. TX0139742) to authorize an increase to the discharge of treated wastewater to a volume not to exceed 810,000 gallons per day and the addition of a second outfall. The domestic wastewater treatment facility is located at 3864 Churchill Parkway, near the city of Van Alstyne, in Collin County, Texas 75409. The discharge route is from the plant site via Outfall 002 to a detention pond, thence both Outfall 001 and Outfall 002 to Sweetwater Creek, thence to Sister Grove Creek, thence to Lavon Lake. TCEQ received this application on October 16, 2025. The permit application will be available for viewing and copying at Melissa Public Library, Front Desk, 3411 Barker Avenue, Melissa, in Collin County, Texas prior to the date this notice is published in the newspaper. The application is available for viewing and copying 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=-96.5125,33.383888&level=18

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

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

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a

public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. 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 Van Alstyne Municipal Utility Distict No. 3 of Collin County at the address stated above or by calling Mr. Jordan Duncan, P.E., Kimley-Horn, at 972-391-7634.

Issuance Date: December 1, 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
MODIFICACION

PERMISO NO. WQ0015840001

SOLICITUD. El Distrito Municipal de Servicios Publicos No. 3 de Van Alstyne del Condado de Collin, 16000 North Dallas Parkway, Suite 350, Dallas, Texas 75248, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) para enmendar el Permiso del Sistema de Eliminación de Descarga de Contaminantes de Texas (TPDES) No. WQ0015840001 (I.D. de EPA No. TX0139742) para autorizar un aumento en la descarga de aguas residuales tratadas a un volumen que no exceda los 810,000 galones por día y la adición de un segundo punto de descarga. La planta de tratamiento de aguas residuales domésticas está ubicada en 3864 Churchill Parkway, cerca de la ciudad de Van Alstyne, en el Condado de Collin, Texas 75409. La ruta de descarga es desde el sitio de la planta a través del desagüe 002 a un estanque de retención, desde allí tanto el desagüe 001 como el 002 al arroyo Sweetwater, desde allí al arroyo Sister Grove, y desde allí al lago Lavon. La TCEQ recibió esta solicitud el 16 de octubre de 2025. La solicitud del permiso estará disponible para su revisión y reproducción en la Biblioteca Pública de Melissa en la Recepción, 3411 Barker Avenue, Melissa, en el Condado de Collin, Texas, antes de la fecha en que se publique este aviso en el periódico. La solicitud, incluyendo cualquier actualización, y los avisos asociados están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés

público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante

indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

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

También se puede obtener información adicional del Distrito Municipal de Servicios Publicos No. 3 de Van Alstyne del Condado de Collin a la dirección indicada arriba o llamando a la Sra. Jordan Duncan, P.E., Kimley-Horn, al 972-391-7634.

Fecha de emisión: el 1 de diciembre de 2025

October 16, 2025

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

Re: Discharge Permit Major Amendment for the Van Alstyne Municipal Utility District No. 3 WWTP

Dear Water Quality Team:

This letter serves to transmit the application for the Van Alstyne MUD No. 3 WWTP wastewater discharge permit major amendment. The permit application follows this letter within the following attachments:

Attachment A – Administrative Reports
Attachment B – SPIF
Attachment C – TCEQ Core Data Form
Attachment D – Technical Report
Attachment E – Plain Language Summary
Attachment F – Public Involvement Plan
Attachment G – Original USGS Map
Attachment H – Affected Landowners Map
Attachment I – Landowner List and Labels
Attachment J – Buffer Zone Map
Attachment K – Process Flow Diagram
Attachment L – Site Drawing
Attachment M – Photograph Plan and Original Photographs
Attachment N – Design Calculations and Features
Attachment O – Solids Management Plan
Attachment P – Wind Rose
Attachment Q – Nearby Wastewater Treatment Facilities
Attachment R – TCEQ Approval Letter
Attachment S - Regionalization Letters
Attachment T – Copy of Permit Payment Voucher
Attachment U – Housing Schedule

If you have any questions regarding this project, please contact me at 972-391-7634.

Sincerely,
KIMLEY-HORN AND ASSOCIATES, Inc.
Texas Firm No. 928

Jordan M. Duncan, P.E. (Texas License No. 147191)

ATTACHMENT A:

ADMINISTRATIVE REPORTS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Van Alstyne Municipal Utility District No. 3 of Collin County

PERMIT NUMBER (If new, leave blank): WQ0015480001

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

	Y	N
Administrative Report 1.0	☒	☐
Administrative Report 1.1	☒	☐
SPIF	☒	☐
Core Data Form	☒	☐
Summary of Application (PLS)	☒	☐
Public Involvement Plan Form	☒	☐
Technical Report 1.0	☒	☐
Technical Report 1.1	☒	☐
Worksheet 2.0	☒	☐
Worksheet 2.1	☒	☐
Worksheet 3.0	☐	☒
Worksheet 3.1	☐	☒
Worksheet 3.2	☐	☒
Worksheet 3.3	☐	☒
Worksheet 4.0	☐	☒
Worksheet 5.0	☐	☒
Worksheet 6.0	☐	☒
Worksheet 7.0	☐	☒

	Y	N
Original USGS Map	☒	☐
Affected Landowners Map	☒	☐
Landowner Disk or Labels	☒	☐
Buffer Zone Map	☒	☐
Flow Diagram	☒	☐
Site Drawing	☒	☐
Original Photographs	☒	☐
Design Calculations	☒	☐
Solids Management Plan	☒	☐
Water Balance	☐	☒

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: N/A

Check/Money Order Amount: N/A

Name Printed on Check: N/A

EPAY — Voucher Number: 785812

Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 26)

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

☒ Publicly Owned Domestic Wastewater

☐ Privately-Owned Domestic Wastewater

☐ Conventional Water Treatment

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

☒ Active ☐ Inactive

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

☒ TPDES Permit

☐ TLAP

☐ TPDES Permit with TLAP component

☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

☐ New

☒ Major Amendment *with* Renewal

☐ Major Amendment *without* Renewal

☐ Renewal without changes

☐ Minor Amendment *with* Renewal

☐ Minor Amendment *without* Renewal

☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: Request to increase annual average discharge flow from 0.27 MGD to 0.81 MGD, and to add an additional discharge location as Outfall 002.

f. For existing permits:

Permit Number: WQ00 15840001

EPA I.D. (TPDES only): TX 0139742

Expiration Date: July 9, 2026

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

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

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

Van Alstyne Municipal Utility District No. 3 of Collin County

(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: 605792969

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: Peterson, Julia

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. Attachment C

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Ms. Last Name, First Name: Duncan, Jordan

Title: Professional Engineer Credential: P.E.

Organization Name: Kimley-Horn

Mailing Address: 13455 Noel Rd, Two Galleria Office Tower, Suite 700 City, State, Zip Code: Dallas, TX 75240

Phone No.: 972-391-7634 E-mail Address: jordan.duncan@kimley-horn.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Mizerek, Andrew

Title: District Engineer Credential: P.E.

Organization Name: Westwood Professional Services

Mailing Address: 11000 Frisco Street Suite 400 City, State, Zip Code: Frisco, TX 75033

Phone No.: 469-213-1800 E-mail Address: andrew.mizerek@westwoodps.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: N/A Last Name, First Name: Peterson, Julia

Title: President Credential: N/A

Organization Name: Van Alstyne Municipal Utility District No. 3 c/o Coats Rose

Mailing Address: 16000 North Dallas Parkway, Suite 350 City, State, Zip Code: Dallas, TX 75248

Phone No.: 972-788-1600 E-mail Address: vamud3@districtdirectory.org

B. Prefix: Mr. Last Name, First Name: Gee, Steve

Title: Manager Credential: N/A

Organization Name: PT Six LP

Mailing Address: 2727 Routh St City, State, Zip Code: Dallas, TX 75201

Phone No.: 214-455-8759 E-mail Address: stevegee@gfb-tx.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: N/A Last Name, First Name: Peterson, Julia

Title: President Credential: N/A

Organization Name: Van Alstyne Municipal Utility District No. 3 c/o Coats Rose

Mailing Address: 16000 North Dallas Parkway, Suite 350 City, State, Zip Code: Dallas, TX 75248

Phone No.: 972-788-1600 E-mail Address: vamud3@districtdirectory.org

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: N/A Last Name, First Name: Peterson, Julia

Title: President Credential: N/A

Organization Name: Van Alstyne Municipal Utility District No. 3 c/o Coats Rose

Mailing Address: 16000 North Dallas Parkway, Suite 350 City, State, Zip Code: Dallas, TX 75248

Phone No.: 972-788-1600 E-mail Address: vamud3@districtdirectory.org

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Duncan, Jordan

Title: Professional Engineer Credential: P.E.

Organization Name: Kimley-Horn

Mailing Address: 13455 Noel Rd, Two Galleria Office Tower, Suite 700 City, State, Zip Code: Dallas, TX 75240

Phone No.: 972-391-7634 E-mail Address: jordan.duncan@kimley-horn.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Ms. Last Name, First Name: Duncan, Jordan

Title: Professional Engineer Credential: P.E.

Organization Name: Kimely-Horn

Mailing Address: 13455 Noel Rd, Two Galleria Office Tower, Suite 700 City, State, Zip Code: Dallas, TX 75240

Phone No.: 972-391-7634 E-mail Address: jordan.duncan@kimley-horn.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: Melissa Public Library

Location within the building: Front Desk

Physical Address of Building: 3411 Barker Avenue

City: Melissa County: Collin

Contact (Last Name, First Name): Baskin, Hope

Phone No.: 972-837-4540 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

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

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

   ☐ Yes ☒ No

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

   ☒ Yes ☐ No

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

   ☐ Yes ☒ No

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

F. Summary of Application in Plain Language Template

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

Attachment: Attachment E

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: Attachment F

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** 110899630

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):

Van Alstyne Municipal Utility District No. 3 WWTP

C. Owner of treatment facility: Van Alstyne Municipal Utility District No. 3

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: Van Alstyne Municipal Utility District No. 3 of Collin County

Mailing Address: 16000 Dallas Pkwy, Suite 350 City, State, Zip Code: Dallas, TX 75248

Phone No.: 972-788-1600 E-mail Address: vamud3@districtdirectory.org

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

Attachment: Click to enter text.

E. Owner of effluent disposal site:

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

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

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

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

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

Attachment: Click to enter text.

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

Prefix: 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:

3864 Churchill Pkwy, Anna, TX 75409

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

☒ Yes ☐ No

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

Click to enter text.

City nearest the outfall(s): Van Alstyne

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

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

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: N/A

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

☐ Attachment 1 for Individuals as co-applicants

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

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0015840001

Applicant: Van Alstyne Municipal Utility District No. 3

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): Deborah Bass

Signatory title: President

Signature: Deborah Bass Date: 8-28-25

(Use blue ink)

Subscribed and Sworn to before me by the said Deborah Bass

on this 28 day of August, 2025.

My commission expires on the 11 day of December, 2027.

Jessica Lee

Notary Public

[SEAL]

JESSICA LEE
Notary Public, State of Texas
Comm. Expires 12-11-2027
Notary ID 124763924

Collin

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:

- ☒ The applicant's property boundaries
- ☒ The facility site boundaries within the applicant's property boundaries
- ☒ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☐ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

C. ☒ Indicate by a check mark that the landowners list has also been provided as mailing labels in electronic format (Avery 5160).

D. Provide the source of the landowners' names and mailing addresses: Collin Central Appraisal District

E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☒ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

N/A

Section 2. Original Photographs (Instructions Page 38)

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

☐ At least one original photograph of the new or expanded treatment unit location

☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.

☒ At least one photograph of the existing/proposed effluent disposal site

☒ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

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

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

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

☒ Ownership

☐ Restrictive easement

☐ Nuisance odor control

☐ Variance

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

☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: Attachment B

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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

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

Full legal name (Last Name, First Name, Middle Initial): N/A

Driver's License or State Identification Number: N/A

Date of Birth: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

Phone Number: N/A Fax Number: N/A

E-mail Address: N/A

CN: N/A

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

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

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

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

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

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

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

Things to Know:

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

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

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

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

Summary of Application (in Plain Language) ☒ Yes

ATTACHMENT B:

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: Van Alstyne Municipal Utility District No. 3

   Permit No. WQ00 15840001 EPA ID No. TX 0139742

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

   3864 Churchill Pkwy, Anna, TX 75409

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: Andrew Mizerek

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

Title: District Engineer

Mailing Address: 11000 Frisco Street Suite 400

City, State, Zip Code: Frisco, Texas 75033

Phone No.: (469) 213-1800 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: Andrew.mizerek@westwoodps.com

2. List the county in which the facility is located: Collin County
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.

Discharge is from outfall 001 into Sweetwater Creek, thence to the Sister Grove Creek, thence to Lavon Lake (Segment 0821B). Discharge from outfall 002 is to an unnamed retention pond.

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

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

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

☐ Proposed access roads, utility lines, construction easements

☐ Visual effects that could damage or detract from a historic property's integrity

☐ Vibration effects during construction or as a result of project design

☐ Additional phases of development that are planned for the future

☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

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

The construction can ultimately affect 6.51 acres of mostly surface distribution with an approximate maximum depth of excavation of 30 feet.

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

The property was developed for the package wastewater treatment plant.

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:

Phase 1 (.135MGD) of the wastewater treatment plant started construction in 2024 and finished in 2025. Phase 2 (.27 MGD) is expected to start construction in 2026. The final phase (.81 MGD) is expected to start construction in 2027.

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

The property was used for farming/ranching, and now has been developed for the package wastewater treatment plant.

ATTACHMENT C:

TCEQ CORE DATA FORM

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 605792969		RN 110899630

SECTION II: Customer Information

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

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

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

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

Van Alstyne Municipal Utility District No. 3 of Collin County

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
0803357586	32071234531		

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

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

13. Independently Owned and Operated?
☒ Yes ☐ No

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

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

15. Mailing Address:

Van Alstyne Municipal Utility District No. 3 c/o Coats Rose
16000 North Dallas Parkway, Suite 350

City	Dallas	State	TX	ZIP	75248	ZIP + 4	

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

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(972) 788-1600		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

Van Alstyne Municipal Utility District No. 3 WWTP

23. Street Address of the Regulated Entity:	3864 Churchill Pkwy

(No PO Boxes)								
	City	Anna	**State**	TX	**ZIP**	75409	**ZIP + 4**	
24. County	Collin							

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

25. Description to Physical Location:	

26. Nearest City	**State**	**Nearest ZIP Code**
Van Alstyne	TX	

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

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

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.)*

Municipal wastewater treatment

34. Mailing Address:	**Van Alstyne Municipal Utility District No. 3 c/o Coats Rose**							
	16000 North Dallas Parkway, Suite 350							
	City	**Dallas**	**State**	**TX**	**ZIP**	**75248**	**ZIP + 4**	

35. E-Mail Address:	andrew.mizerek@westwoodps.com

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(972) 788-1600		( ) -

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:
	WQ0015840001			

SECTION IV: Preparer Information

40. Name:	Jordan Duncan	**41. Title:**	Professional Engineer

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(972) 391-7634		( ) -	jordan.duncan@kimley-horn.coms

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:	Westwood	**Job Title:**	District Engineer	
Name *(In Print):*	Andrew Mizerek		**Phone:**	(469) 213- **1800**
Signature:			**Date:**	08.28.2025

ATTACHMENT D:

TECHNICAL REPORT

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: 2024

Estimated waste disposal start date: July 2025

B. Interim II Phase

Design Flow (MGD): 0.27

2-Hr Peak Flow (MGD): 1.08

Estimated construction start date: 2026

Estimated waste disposal start date: 2027

C. Final Phase

Design Flow (MGD): 0.81

2-Hr Peak Flow (MGD): 3.24

Estimated construction start date: 2027

Estimated waste disposal start date: 2028

D. Current Operating Phase

Provide the startup date of the facility: June 2025

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**.

Phase 1: Raw wastewater will enter the headworks screen, flow into 3 aeration basins then to 1 clarifier then to 1 chlorine contact basin with 7 channels. The treated water will then flow to the outfall locations. The solids will be pumped to 2 aerobic digesters. The solids will then be pumped out of the aerobic digesters and trucked to a landfill. Phase 2: Raw wastewater will enter the headworks screen, flow into 5 aeration basins then to 1 clarifier then to 1 chlorine contact basin with 7 channels. The treated water will then flow to the outfall locations. The solids will be pumped to 3 aerobic digesters. The solids will then be pumped out of the aerobic digesters and trucked to a landfill. Phase 3: Raw wastewater will enter the headworks screen, flow into 9 aeration basins then to 3 clarifiers then to 2 chlorine contact basins, one with 7 channels and one with 8 channels. The treated water will then flow to the outfall locations. The solids will be pumped to 5 aerobic digesters. The solids will then be pumped out of the aerobic digesters and trucked to a landfill.

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Aeration Basin (1-2)	2	26’ x 12’ x 12’-2”swd
Aeration Basin (3-9)	7	52’ x 12’ x 12’-2”swd
Clarifier	3	38’ø x 11’-9”swd
Aerobic Digester (1-2)	2	26’ x 12’ x 12’-2”swd
Aerobic Digester (3-5)	3	52’ x 12’ x 12’-2”swd
Chlorine Contact Basin	2	24’ x 11’ x 11’-2”

C. Process Flow Diagram

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

Attachment: Attachment K

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

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

- Latitude: Outfall 001: 33.383897 Outfall 002: 33.383678
- Longitude: Outfall 001: -96.512590 Outfall 002: -96.513489

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

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

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

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding

ponds; and

- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

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

The Van Alstyne Municipal Utility District No. 3 WWTP will serve the new Churchill and Oaklawn single family developments. The Oaklawn development is approximately 306 acres with 1,073 single family dwellings in Grayson County, but the flow from there will be directed to the proposed WWTP. Both the Churchill development, 266 acres with 816 single family dwellings, and the proposed Van Alstyne MUD No. 3 WWTP are in Collin County.

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
Van Alstyne Municipal Utility District No. 3 WWTP	Van Alstyne Municipal Utility District No. 3	**Publicly Owned**	5,667

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**.

Based on the projected buildout of the development, phase 2 of the treatment facility will be needed in 2026 when the development has 460 single family dwellings. Assuming 285 gallons per day per connection and the 1.5 safety factor, 196,650 gpd will be needed. Phase 3 will be needed in 2027 when the housing projection is 810 homes, needing 346,275 gpd to be treated. Phase 3 will account for the total buildout of the development to 2030 when 1,889 homes will be built, needing 807,400 gpd to be treated. See Attachment U for the projected housing construction schedule from the developer.

Section 5. Closure Plans (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

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: March 2022

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**.

See Attachment R for the TCEQ approval letter.

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.

Ownership

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*.

N/A

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

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

TXR05 N/A or TXRNE N/A

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☒ No

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

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

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

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

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

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

☐ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

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.

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	ND		1		7/31/2025
Total Suspended Solids, mg/l	3.58		1		7/31/2025
Ammonia Nitrogen, mg/l	24.6		1		7/31/2025
Nitrate Nitrogen, mg/l	0.113		1		7/31/2025
Total Kjeldahl Nitrogen, mg/l	34.7		1		7/31/2025
Sulfate, mg/l	86.2		1		7/31/2025
Chloride, mg/l	109		1		7/31/2025
Total Phosphorus, mg/l	4.99		1		7/31/2025
pH, standard units	8.89		1		7/31/2025
Dissolved Oxygen*, mg/l	8.22		1		7/31/2025
Chlorine Residual, mg/l	2.43		1		7/31/2025
E.coli (CFU/100ml) freshwater	ND		1		7/31/2025
Entercocci (CFU/100ml) saltwater	N/A				
Total Dissolved Solids, mg/l	925		1		7/31/2025
Electrical Conductivity, µmohs/cm, †	1610		1		7/31/2025
Oil & Grease, mg/l	ND		1		7/31/2025
Alkalinity ($CaCO_3$)*, mg/l	604		1		7/31/2025

*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				
Total Dissolved Solids, mg/l	N/A				
pH, standard units	N/A				
Fluoride, mg/l	N/A				
Aluminum, mg/l	N/A				
Alkalinity ($CaCO_3$), mg/l	N/A				

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Cameron Justice

Facility Operator's License Classification and Level: Wastewater Class C Inframark

Facility Operator's License Number: WW0073305

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

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

Check all that apply. See instructions for guidance

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

B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: N/A

C. Sewage Sludge or Biosolids Management

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

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

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Bag	0.63	Class B: PSRP Aerobic Digestion	Option 1: Volatile solids reduced by 38%

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): N/A

D. Disposal site

Disposal site name: City of Dallas – Central Wastewater Treatment Plant

TCEQ permit or registration number: WQ0010494013

County where disposal site is located: Dallas

E. Transportation method

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

Name of the hauler: Magna Flow

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

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

☐ Yes ☒ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: 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: Click to enter text.

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

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 $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

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

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: Click to enter text. Patrick Bond

Title: Click to enter text. Senior Environmental Quality Specialist

Signature: _____

Date: 08/13/2025

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 56)

A. Justification of permit need

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

Increased flow capacity at the Van Alstyne Municipal Utility District No. 3 WWTP is to account for the continued buildout of the facility's service area at the Churchill and Oaklawn single family developments. The final phases of the Oaklawn and Churchill developments combine for approximately 572 acres with 1,889 single family dwellings and a 12 acre school. All the flow from the proposed developments will be directed to the proposed Van Alstyne MUD No. 3 WWTP.

B. Regionalization of facilities

For additional guidance, please review TCEQ's Regionalization Policy for Wastewater Treatment[1].

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

1. *Municipally incorporated areas*

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

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

☐ Yes ☒ No ☐ Not Applicable

If yes, within the city limits of: N/A

If yes, attach correspondence from the city.

Attachment: N/A

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

Attachment: Click to enter text.

2. *Utility CCN areas*

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

☐ Yes ☒ No

[1] https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater

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

Attachment: N/A

3. Nearby WWTPs or collection systems

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

☒ Yes ☐ No

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

Attachment: Attachment Q

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

Attachment: Attachment S

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

Attachment: N/A

Section 2. Proposed Organic Loading (Instructions Page 58)

Is this facility in operation?

☒ Yes ☐ No

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

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

A. Current organic loading

Facility Design Flow (flow being requested in application): 0.81

Average Influent Organic Strength or BOD_5 Concentration in mg/l: 300 mg/l

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34): 8,107 lbs/day

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

30 Texas Administrative Code (TAC) § 217.32 outlines the requirements for organic loadings and flows for new wastewater treatment facilities. The estimated range for residential sources is 250-400 mg/l.

B. Proposed organic loading

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

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality	0.81	300
Subdivision		
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.81	
AVERAGE BOD_5 from all sources		300

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

A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: N/A

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 7

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: N/A

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 7

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: N/A

D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 1 mg/l after 20 minutes detention time at peak flow

Dechlorination process: N/A

☐ Ultraviolet Light: N/A seconds contact time at peak flow

☐ Other: N/A

Section 4. Design Calculations (Instructions Page 58)

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

Attachment: Attachment N

Section 5. Facility Site (Instructions Page 59)

A. 100-year floodplain

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

☒ Yes ☐ No

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

N/A

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

N/A

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

☐ Yes ☒ No

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

☐ Yes ☐ No

If yes, provide the permit number: N/A

If no, provide the approximate date you anticipate submitting your application to the Corps: N/A

B. Wind rose

Attach a wind rose: Attachment: P

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

B. Sludge processing authorization

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

☐ Sludge Composting

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

If any of the above, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: N/A

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

Attach a solids management plan to the application.

Attachment: Attachment O

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

- Treatment units and processes dimensions and capacities

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

If **no**, proceed it 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

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

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: Outfall 001: Sweetwater Creek; Outfall 002: Unnamed Retention Pond

A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☒ Lake or Pond

Surface area, in acres: 5

Average depth of the entire water body, in feet: 20

Average depth of water body within a 500-foot radius of discharge point, in feet: 20

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: N/A

B. Flow characteristics

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

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

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

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

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

Sister Grove Creek

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

Click to enter text.

E. Normal dry weather characteristics

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

The stream at outfall 001 is intermittent and dry during normal dry weather conditions. The stream had an average depth of approximately 2 inches and a flow velocity of 0.2 ft/s when observed. The proposed outfall 002 is into an unnamed retention pond that then flows into Sweetwater Creek and can be seen in Attachment M.

Date and time of observation: 07/21/2025

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

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

B. Waterbody uses

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

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

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.1: STREAM PHYSICAL CHARACTERISTICS

Required for new applications, major facilities, and applications adding an outfall.

Worksheet 2.1 is not required for discharges to intermittent streams or discharges directly to (or within 300 feet of) a classified segment.

Section 1. General Information (Instructions Page 65)

Date of study: 07/21/2025 Time of study: 10:00 a.m.

Stream name: Unnamed Retention Pond

Location: Near 3864 Churchill Pkwy, Anna TX 75409 at the Northeast side of the intersection of Churchill Pkwy and County Road 429

Type of stream upstream of existing discharge or downstream of proposed discharge (check one).

☐ Perennial ☒ Intermittent with perennial pools

Section 2. Data Collection (Instructions Page 65)

Number of stream bends that are well defined: N/A

Number of stream bends that are moderately defined: N/A

Number of stream bends that are poorly defined: N/A

Number of riffles: N/A

Evidence of flow fluctuations (check one):

☒ Minor ☐ moderate ☐ severe

Indicate the observed stream uses and if there is evidence of flow fluctuations or channel obstruction/modification.

N/A

Stream transects

In the table below, provide the following information for each transect downstream of the existing or proposed discharges. Use a separate row for each transect.

Table 2.1(1) - Stream Transect Records

Stream type at transect Select riffle, run, glide, or pool. See Instructions, Definitions section.	**Transect location**	**Water surface width (ft)**	**Stream depths (ft)** at 4 to 10 points along each transect from the channel bed to the water surface. Separate the measurements with commas.
Choose an item.	N/A		
Choose an item.	N/A		
Choose an item.	N/A		
Choose an item.	N/A		
Choose an item.	N/A		
Choose an item.	N/A		
Choose an item.	N/A		
Choose an item.	N/A		
Choose an item.	N/A		
Choose an item.	N/A		

Section 3. Summarize Measurements (Instructions Page 65)

Streambed slope of entire reach, from USGS map in feet/feet: **N/A**

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): N/A

Length of stream evaluated, in feet: N/A

Number of lateral transects made: N/A

Average stream width, in feet: N/A

Average stream depth, in feet: N/A

Average stream velocity, in feet/second: N/A

Instantaneous stream flow, in cubic feet/second: N/A

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): N/A

Size of pools (large, small, moderate, none): N/A

Maximum pool depth, in feet: N/A

ATTACHMENT E:

PLAIN LANGUAGE SUMMARY

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.

Van Alstyne Municipal Utility District No. 3 of Collin County (CN605792969) operates Van Alstyne Municipal Utility District No. 3 WWTP (RN110899630), a wastewater treatment plant. The facility is located at 3864 Churchill Pkwy, in Anna, Collin County, Texas 75409. The design of the WWTP will be used to treat municipal wastewater for approximately 1,889 single family homes .

Discharges from the facility are expected to contain Biochemical Oxygen Demand, Total Suspended Solids, Ammonia Nitrogen, and Dissolved Oxygen . Raw wastewater is treated by entering the headworks screen, split into a total of 9 aeration basins, 3 clarifiers, 5 aerobic digesters, 2 chlorine contact basins then to the outfalls .

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.

Van Alstyne Municipal Utility District No. 3 del Condado de Collin (CN605792969)) opera Van Alstyne Municipal Utility District No. 3 WWTP (RN110899630), una planta de tratamiento de aguas residuales. La instalación está ubicada en la calle 3864 Churchill Pkwy, en la ciudad de Anna, Condado de Collin, Texas 75409. La planta de tratamiento se usara para tratar el agua residual municipal generada por aproximadamente 1,889 casas familiares.

Se espera que las descargas de la instalación contengan contaminantes de aguas residuales estándares, como demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Oxigeno Disuelto. Las aguas residuales domesticas. están tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluyen una criba de barras, 9 tanques de aireación, 3 clarificadores, 5 digestores aerobicos, 2 tanques de contacto de cloro, y luego seran descargadas a un emisario.

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 ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-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 ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-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 (BOD_5), 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.

ATTACHMENT F:

PUBLIC INVOLVEMENT PLAN

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

☐ New Permit or Registration Application

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

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

Section 2. Secondary Screening

☒ Requires public notice,

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

☐ Located within any of the following geographical locations:

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

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

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

Section 3. Application Information

Type of Application (check all that apply):

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

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

Water Quality

☒ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

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

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Van Alstyne Municipal Utility District No. 3 of Collin County (605792969) operates Van Alstyne Municipal Utility District No. 3 WWTP (110899630), a wastewater treatment plant. The facility is located at 3864 Churchill Pkwy, in Anna, Collin County, Texas 75409. The design of the WWTP will be used to treat municipal wastewater for approximately 1,875 single family homes . This permit will not authorize a discharge of pollutants into water in the state.
Discharges from the facility are expected to contain Biochemical Oxygen Demand, Total Suspended Solids, Ammonia Nitrogen, and Dissolved Oxygen . Raw wastewater is treated by entering the headworks screen, split into a total of 9 aeration basins, 3 clarifiers, 5 aerobic digesters, 2 chlorine contact basins then to the outfall .

Section 5. Community and Demographic Information

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

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

(City)

(County)

Collin

(Census Tract)

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

☐ City ☒ County ☐ Census Tract

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

94.5%

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

$55,057

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

49.9 % White alone not Hispanic or Latino, 12.0% Black, 0.7% American Indian and Alaska Native, 19.7% Asian, 0.1% Native Hawaiian and Other Pacific Islander, 3.0% Two or More Races, 16.1% Hispanic or Latino

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

3.8%

(e) Languages commonly spoken in area by percentage

68% English, 10.4% Spanish, 8.7% Other Indo-European languages, 10.0% Asian and Pacific Islander languages, 2.9% Other languages

(f) Community and/or Stakeholder Groups

N/A

(g) Historic public interest or involvement

N/A

Section 6. Planned Public Outreach Activities

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

☒ Yes ☐ No

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

☐ Yes ☐ No

If Yes, please describe.

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

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

☒ Yes ☐ No

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

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

☑ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

☐ TCEQ Regional Office ☐ TCEQ Central Office

☑ Public Place (specify) Melissa Public Library, 3411 Barker Ave, Melissa, TX, 75454

Section 7. Voluntary Submittal

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

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

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

ATTACHMENT G:

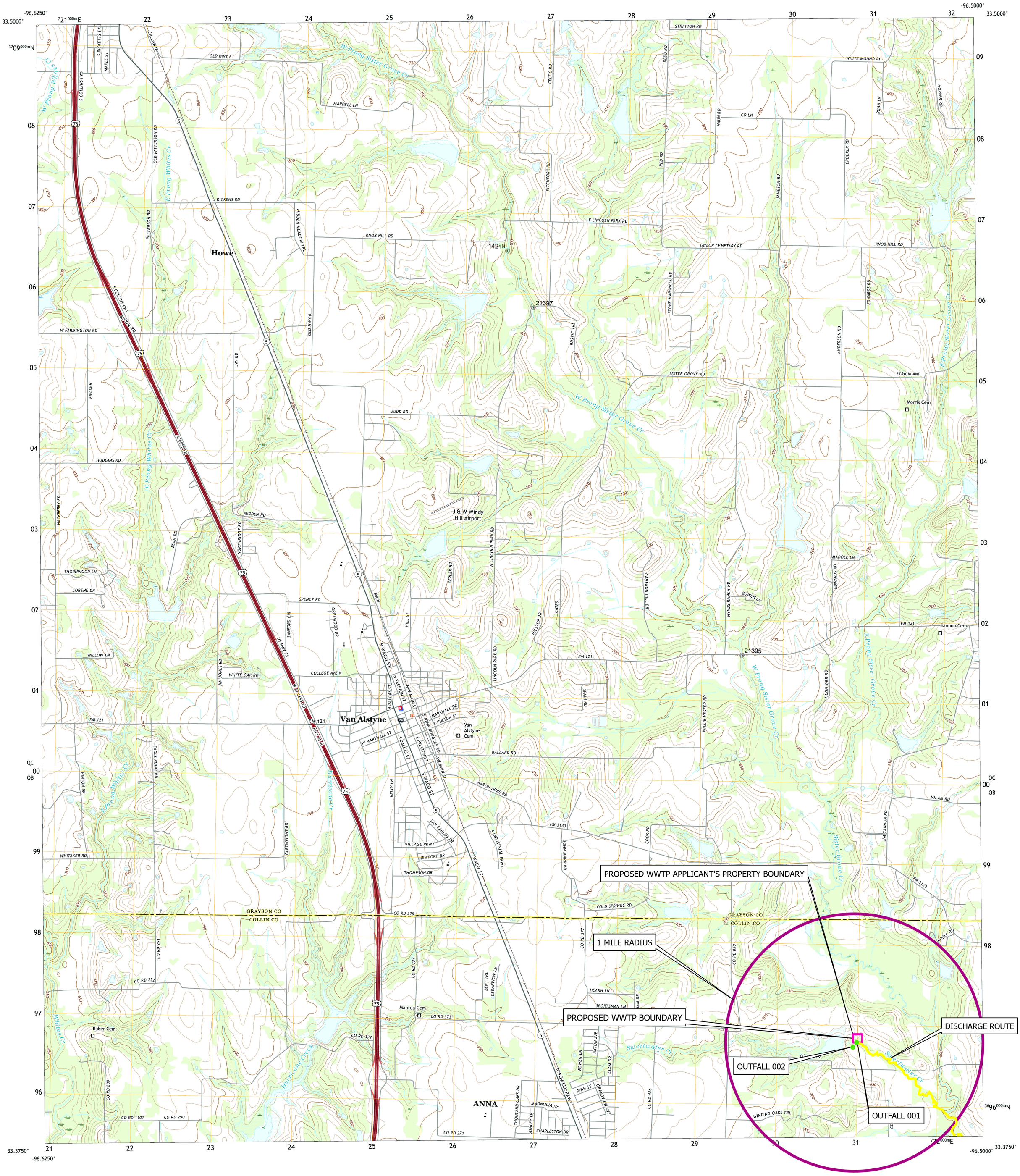
ORIGINAL USGS MAP

USGS science for a changing world

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

The National Map US Topo

VAN ALSTYNE QUADRANGLE
TEXAS
7.5-MINUTE SERIES



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

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

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2018
Names.....GNIS, 2000 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2005
Boundaries.....Multiple sources; see metadata file 2019 - 2021

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

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
MN
GN
3°1'
54 MILS
1°21'
24 MILS

U.S. National Grid
100,000 - m Square ID
QC
00
QB
Grid Zone Designation
14S

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Dorchester
2 Howe
3 Whitewright
4 Gunter
5 Pilot Grove
6 Weston
7 Anna
8 Blue Ridge
ADJOINING QUADRANGLES

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

VAN ALSTYNE, TX
2022

TCEQ

0 0.13 0.25 0.5 0.75 1 Miles

N

Kimley»Horn

VAN ALSTYNE MUD NO.3 WWTF
DOMESTIC WASTEWATER MAJOR AMENDMENT
USGS MAP

DATE: 10/15/2025
DESIGN: JMD
DRAWN: MD
CHECKED: MPM
KHA NO: 060047200

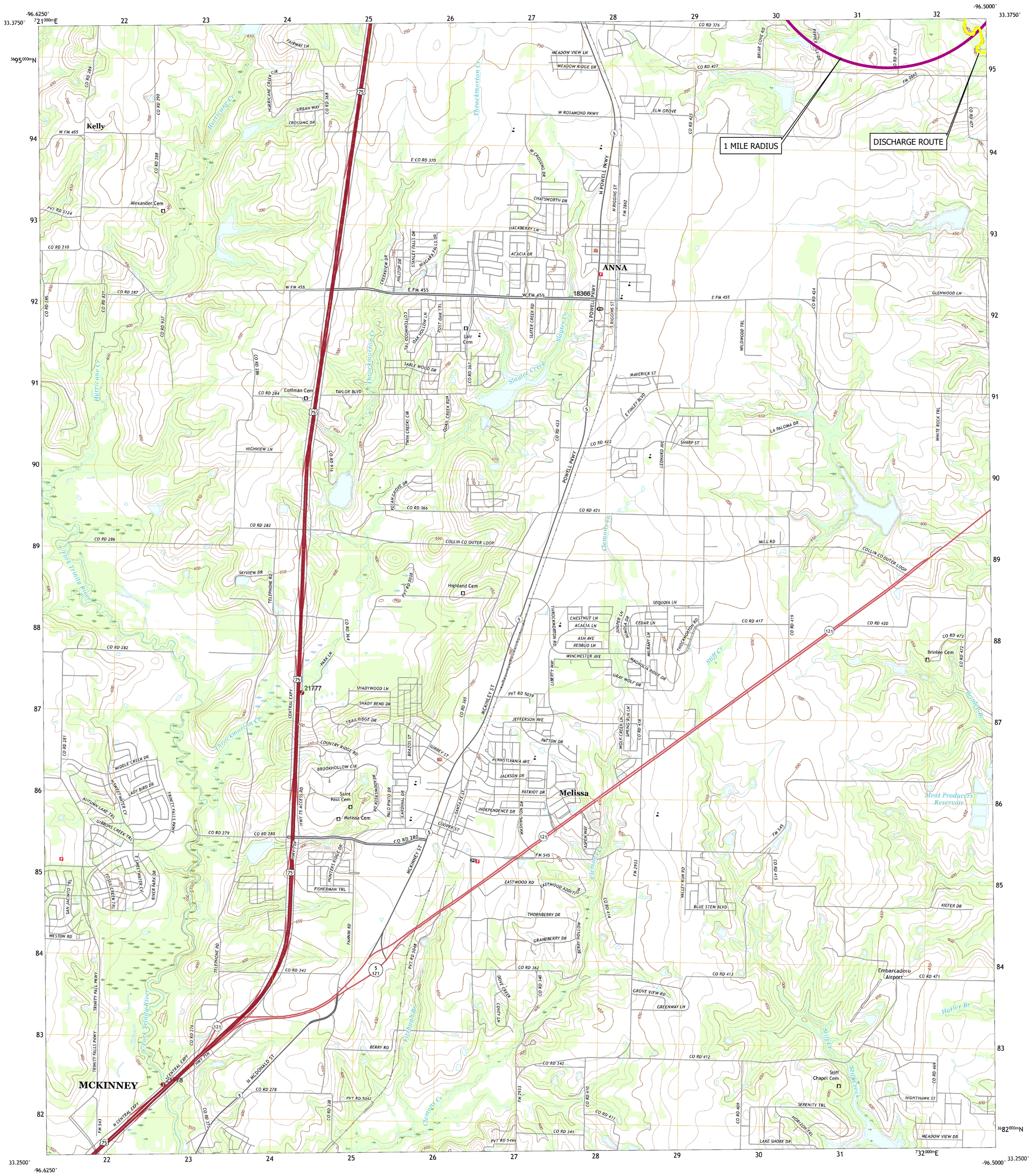
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

ANNA QUADRANGLE
TEXAS - COLLIN COUNTY
7.5-MINUTE SERIES

1 MILE RADIUS

DISCHARGE ROUTE



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

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Imagery	NAIP,	September 2016 - November 2016
Roads	U.S. Census Bureau,	2015 - 2018
Names	GNIS,	1979 - 2021
Hydrography	National Hydrography Dataset,	2002 - 2018
Contours	National Elevation Dataset,	2005
Boundaries	Multiple sources; see metadata file	2019 - 2021
Wetlands	FWS National Wetlands Inventory	Not Available

MN
GN
3°2′ 54 MILS
1°20′ 24 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Gunter
2 Van Alstyne
3 Pilot Grove
4 Weston
5 Blue Ridge
6 McKinney West
7 McKinney East
8 Culleoka
ADJOINING QUADRANGLES

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

ANNA, TX
2022
TCEQ

0 0.13 0.25 0.5 0.75 1 Miles

N

Kimley»Horn

VAN ALSTYNE MUD NO.3 WWTF
DOMESTIC WASTEWATER MAJOR AMENDMENT USGS MAP

DATE:	10/15/2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO:	060047200

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

The National Map US Topo

BLUE RIDGE QUADRANGLE
TEXAS
7.5-MINUTE SERIES

DISCHARGE ROUTE

3 MILES DOWNSTREAM

Westminster
ANNA
Tejas Stone Ranch Airport
Chambliss
Valdasta
Blue Ridge Airport
Melissa
Verona
Altoga
Fayburg
Blue Ridge
Elm Grove Cem
Stoney Point Cem
Coleman Cem
Grounds Cem
Blue Ridge Cem
Snow Hill Baptist Church Cem
21767
21394
13613
14247
15692
COLLIN CO
FANNIN CO

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14S
This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2018
Names.....GNIS, 1979 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2005
Boundaries.....Multiple sources; see metadata file 2019 - 2021

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

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
MN
GN
2°57' 52 MILS
1°24' 25 MILS
U.S. National Grid
100,000 - m Square ID
QB
Grid Zone Designation
14S

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

TEXAS
QUADRANGLE LOCATION

1 Van Alstyne
2 Pilot Grove
3 Trenton
4 Anna
5 Pike
6 McKinney East
7 Culleoka
8 Farmersville
ADJOINING QUADRANGLES

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

BLUE RIDGE, TX
2022
TCEQ

0 0.13 0.25 0.5 0.75 1 Miles

N

Kimley»Horn

VAN ALSTYNE MUD NO.3 WWTF
DOMESTIC WASTEWATER MAJOR AMENDMENT
USGS MAP

DATE:	10/15/2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO:	060047200

ATTACHMENT H:

AFFECTED LANDOWNERS MAP

K:\DAL_Municipal\060047200 – Van Alstyne No. 3 Permit\CADD\Sheet\Affected Landowners Map.dwg 5/7/2013 10:40 AM

LEGEND

- APPLICANT PROPERTY BOUNDARY
- PROPOSED FACILITY BOUNDARY
- TREATMENT FACILITY BUFFER
- 1 MILE DISCHARGE ROUTE
- DISCHARGE POINT
- AFFECTED PROPERTY

NORTH

GRAPHIC SCALE IN FEET
0 100 200 400

1
2
3
4
5
6
7
8
9
10
11

DATE:	JULY 2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO.:	060047200

AFFECTED LANDOWNERS MAP

VAN ALSTYNE MUD NO.3
WWTP MAJOR AMENDMENT

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS TX 75240
PHONE: 972-770-1300 TEXAS REGISTERED ENGINEERING FIRM #F-928: F-928

No.	Revision	By	Date

ATTACHMENT I:

LANDOWNER LIST AND LABELS

Parcel #	Landowner	Mailing Address
1	VAN ALSTYNE MUNICIPAL UTILITY DISTRICT NO 3	1600 DALLAS PKWY STE 350, DALLAS, TX 75201-1997
2	757 CHURCHILL DEVELOPMENT LP	2727 ROUTH ST, DALLAS, TX 75201-1997
3	ELLIOT JOHN HOWARD &	4215 COUNTY ROAD 429, ANNA, TX 75409-6015
4	757 CHURCHILL DEVELOPMENT LP	2727 ROUTH ST, DALLAS, TX 75201-1997
5	S FAMILY TRUST THE u/a dtd SEPTEMBER 10, 2018	340 HOUSTON DR, HOT SPRINGS NATIONAL PARK, AR 71913-9536
6	ADAMS SAMUEL MOORE	4701 COUNTY ROAD 429, ANNA, TX 75409-6037
7	POWELL ALTON KEITH &	3805 IVYWOOD CT, ARLINGTON, TX 76016-3036
8	POWELL ALTON KEITH &	3805 IVYWOOD CT, ARLINGTON, TX 76016-3036
9	FRODSHAM JOSEPH B &	3700 EDGESTON DR, PLANO, TX 75093-7694
10	WALKER GARY G &	14115 COUNTY ROAD 479, VAN ALSTYNE, TX 75495-8223
11	HUNTER NEAL &	910 W UNIVERSITY DR, MCKINNEY, TX 75069-4899

Applicant Name: Julia Peterson. Company: Van Alstyne Municipal Utility District No. 3 c/o Coats Rose. Permit Number: WQ0015840001

VAN ALSTYNE MUNICIPAL UTILITY DISTRICT NO 3
1600 DALLAS PKWY STE 350
DALLAS TX 75201-1997

757 CHURCHILL DEVELOPMENT LP
2727 ROUTH ST
DALLAS TX 75201-1997

ELLIOT JOHN HOWARD &
4215 COUNTY ROAD 429
ANNA TX 75409-6015

FIELDS FAMILY TRUST THE u/a dtd SEPTEMBER 10, 2018
340 HOUSTON DR
HOT SPRINGS NATIONAL PARK AR 71913-9536

ADAMS SAMUEL MOORE
4701 COUNTY ROAD 429
ANNA TX 75409-6037

POWELL ALTON KEITH &
3805 IVYWOOD CT
ARLINGTON TX 76016-3036

FRODSHAM JOSEPH B &
3700 EDGESTON DR
PLANO TX 75093-7694

WALKER GARY G &
14115 COUNTY ROAD 479
VAN ALSTYNE TX 75495-8223

HUNTER NEAL &
910 W UNIVERSITY DR
MCKINNEY TX 75069-4899

ATTACHMENT J:

BUFFER ZONE MAP

K:\DAL_Municipal\060047200 – Van Alstyne No. 3 Permit\CADD\Sheet\Buffer Zone Map.dwg 5/7/2013 10:40 AM

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

PHASE 1

PHASE 2

PHASE 3

APPLICANT PROPERTY LINE

150.0'

150.4'

DIGESTER

AERATION

CLARIFIER

CHLORINE CONTACT BASIN

150' TREATMENT FACILITY BUFFER

100-YR FLOODPLAIN

EXISTING OUTFALL 001 LOCATION

PPROPOSED OUTFALL 002 LOCATION

DATE:	JULY 2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO.:	060047200

BUFFER ZONE MAP

VAN ALSTYNE MUD NO.3
WWTP MAJOR AMENDMENT

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS TX 75240
PHONE: 972-770-1300 TEXAS REGISTERED ENGINEERING FIRM #F-928: F-928

No.	Revision	By	Date

ATTACHMENT K:

PROCESS FLOW DIAGRAM

LEGEND

PHASE 1

PHASE 2

PHASE 3

AIR

AERATION BLOWERS

AIR

RAS

WAS

AERATION BASIN 9

AERATION BASIN 8

AERATION BASIN 7

AERATION BASIN 6

AERATION BASIN 5

AERATION BASIN 4

AERATION BASIN 3

AERATION BASIN 1

AERATION BASIN 2

SECONDARY CLARIFIER 3

SECONDARY CLARIFIER 2

SECONDARY CLARIFIER 1

RAS

WAS

WAS

AEROBIC DIGESTER 5

AEROBIC DIGESTER 4

AEROBIC DIGESTER 3

AEROBIC DIGESTER 1

AEROBIC DIGESTER 2

TO LANDFILL

CHLORINE CONTACT BASIN 1

CHLORINE CONTACT BASIN 1

EFFLUENT TO DISCHARGE POINT

INFLUENT LIFT STATION

INFLUENT FROM COLLECTION

MECHANICAL BAR SCREEN BOX

RAS

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS TX 75240
PHONE: 972-770-1300 TEXAS REGISTERED ENGINEERING FIRM #F-928 T-928

No.	Revision	By	Date

VAN ALSTYNE MUD NO.3
WWTP MAJOR AMENDMENT

PROCESS FLOW DIAGRAM

DATE:	JULY 2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO.:	060047200

K:\dal_municipal\060047200 – van alstyne no. 3 permit\CADD\Sheet\Process Flow Diagram.dwg 5/7/2013 10:40 AM

ATTACHMENT L:

SITE DRAWING

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NORTH

GRAPHIC SCALE IN FEET
0 250 500 1000

LEGEND

- PROPERTY BOUNDARY
- SERVICE AREA
- DISCHARGE ROUTE
- 100–YR FLOODPLAIN

FM 3133

WWTP SERVICE AREA

GRAYSON COUNTY RD 80

COLLIN/GRAYSON COUNTY LINE

WWTP SERVICE AREA

PROPOSED WWTP APPLICANT'S PROPERTY BOUNDARY

PROPOSED 150' TREATMENT FACILITY BUFFER ZONE

EXISTING OUTFALL 001 LOCATION

PPROPOSED OUTFALL 002 LOCATION

CR 429

CR 376

100–YR FLOODPLAIN

DISCHARGE ROUTE

DATE:	JULY 2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO.:	060047200

SITE DRAWING

VAN ALSTYNE MUD NO.3
WWTP MAJOR AMENDMENT

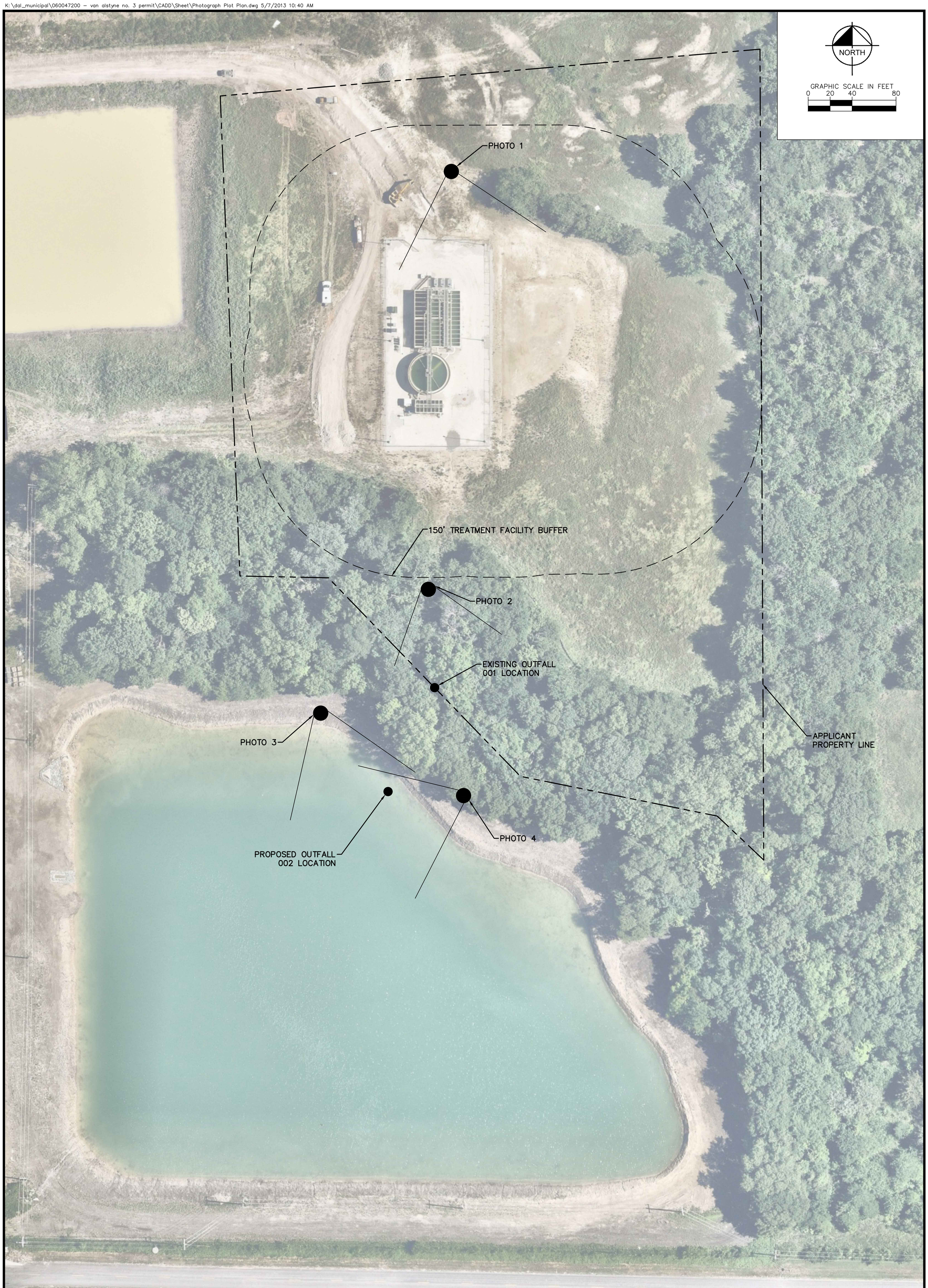
Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS TX 75240
PHONE: 972-770-1300 TEXAS REGISTERED ENGINEERING FIRM #F-928: F-928

No.	Revision	By	Date

ATTACHMENT M:

PHOTOGRAPH PLAN AND ORIGINAL PHOTOGRAPHS

K:\dal_municipal\060047200 – van alstyne no. 3 permit\CADD\Sheet\Photograph Plot Plan.dwg 5/7/2013 10:40 AM



DATE:	JULY 2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO.:	060047200

PHOTOGRAPH PLOT PLAN

VAN ALSTYNE MUD NO.3
WWTP MAJOR AMENDMENT

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS TX 75240
PHONE: 972-770-1300 TEXAS REGISTERED ENGINEERING FIRM #F-928: F-928

No.	Revision	By	Date

Photo 1: Treatment Facility Location

Photo 2: Existing Outfall 001

Photo 3: Proposed Outfall 002 Location (Facing Southeast)

Photo 4: Proposed Outfall 002 Location (Facing Southwest)

ATTACHMENT N:

DESIGN CLACULATIONS AND FEATURES

Phase 1

RAS		
**Design to maintain MLSS concentration in aeration basin between 4,000 mg/L and 10,000 mg/L*		
**Calculate RAS rate by usign a mass balance of the aeration tank*		
Influent Design Flow Rate to Aeration Tank (Q_O)	0.135	MGD
Influent Peak Flow Rate to Aeration Tank (Q_{PEAK})	0.54	MGD
Mixed Liquor Suspended Solids (X)	4,000	mg/L
Return Activated Sludge Suspended Solids (X_R)	8,000	mg/L
Return Sludge Flow at Design Flow (RAS)	0.135	MGD
Return Sludge Flow at Peak Flow (RAS)	0.54	MGD
Aeration Basins		
Design Flow for Aeration Basins	0.27	MGD
Design Sludge Retention Time (θ_A)	25	days
Organic Loading Rate	45	lbBOD5/d/1,000 ft3
Required Minimum Volume	*7,506*	*ft^3*
Number of Aeration Basins to Add (Size 1)	1	
Aeration Basin Length	52	ft
Aeration Basin Width	12	ft
Side Water Depth of Aeration Basin	12.167	ft
Number of Aeration Basins to Add (Size 2)	2	
Aeration Basin Length	26	ft
Aeration Basin Width	12	ft
Side Water Depth of Aeration Basin	12.167	ft
Total Provided Aeration Basin Volume	15,184	ft^3
Aeration Basin in Service with Largest Length	52	ft
Largest Aeration Basin's Side Water Depth	12.167	ft
Total Aeration Basin Volume with Largest AB out of Service (V_R)	8,605	ft^3
Calculated Oxygen Required	1.63	lbs O_2 / lb BOD_5
Oxygen Requirement (O_2R)	2.17	lbs O_2 / lb BOD_5
Calculated Air Flowrate	252	scfm
Clean water transfer efficiencety	26%	
Clean water transfer efficiency adjustment based on diffuser	45%	
Diffuser Submergence Correction Factor	1.00	
WAS		
**Design based on wasting from RAS line*		
Provided Aeration Basin Volume (V_R)	0.114	Mgal
Waste Sludge Flowrate from Aeration Basin, Average Flow	0.0022716	MGD
Daily Sludge Production Rate	19,513	lb/d

Aerobic Digester		
% of Volatile Solids (%VS)	80%	
% Volatile Solids Destroyed in Digestion (%VSD)	40%	
MLSS Concentration	20,000	mg/L
Minimum Solids Retention Time (SRT)	20	days
Solids Loading	0.3	lb VSS/ft^3-d
Digester Percent Solids	3%	
Mass of Influent Solids	338	ppd
Mass of Digested Solids	230	ppd
Average Solids in Digester	284	ppd
Total Solids in Digester Based on SRT	5,675	lb
Minimum Required Digester Volume	*4,548*	*ft^3*
Number of Digester Basins to Add	2	
Digester Basins Length	26	ft
Digester Basins Width	12	ft
Side Water Depth	12.167	ft
Digester Basin Volume to Add	7,592	ft^3
Digester Basin Volume to Add	56,790	gal
Total Digester Basin Volume	7,592	
% Volatile Solids Destroyed in Degestion (%VSD)	40%	
Total Mass Reduced	108	lb VSS red/day
Oxidation of VSS	2.3	kg O_2/kg VSS
Oxygen Required	112	kg O_2/day
Density of Air	1.204	kg/m^3 @ 20˚ C
Volume of Air Required per Day	400	m^3 air/day
Oxygen Transfer Efficiency	10%	
Air Flow Rate	2.8	m^3/min
Air Loading	96.7	ft^3/min*1000ft^3

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds Influent BOD_5 (lb/d)	338	253	169	84
Pounds of Digested Dry Sludge Produced (lb/d)	230	172	115	57
Pounds of Wet Sludge Produced (lb/d)	11,484	8,613	5,742	2,871
Gallons of Wet Sludge Produced (gpd)	1,377	1,033	689	344

Clarifier		
Maximum Overflow Rate @ Peak Flow	1,200	gal/day/ft^2
Minimum Detention Time @ Peak Flow	1.8	hours
Maximum Weir Loading	20,000	gal/day/ft
Minimum Required Surface Area (Overflow)	*450*	*ft^2*
Minimum required Surface Area (Detention Time)	*461*	*ft^2*
Minimum Required Weir Length	*27*	*ft*
Number of Clarifiers to Add	1	
Clarifier Diameter	38	ft
Side Water Depth of Clarifier	11.75	ft
Total Weir Length	119	ft
Total Clarifier Surface Area	1,134	ft^2
Total Clarifier Volume	13,326	ft^3
Clarifier in Service with Largest Diameter	38	ft
Side Water Depth of Largest Clarifier	11.75	ft
Total Surface Area with Largest Clarifier out of Service	1,134	ft^2
Total Weir Length with Largest Clarifier out of Service	119	ft
Total Volume with Largest Clarifier out of Service	13,326	ft^3
Chlorine Contact Basin		
Minimum Detention Time at Peak Flow	20	min
Number of Parallel Channels	7	
Width	3.417	ft
Depth	11.167	ft
Length	11	ft
Volume	2,938	ft^3
Detention Time	58.61	min

Phase 2

RAS

**Design to maintain MLSS concentration in aeration basin between 4,000 mg/L and 10,000 mg/L*

**Calculate RAS rate by usign a mass balance of the aeration tank*

Influent Design Flow Rate to Aeration Tank (Q_O)	0.27	MGD
Influent Peak Flow Rate to Aeration Tank (Q_{PEAK})	1.08	MGD
Mixed Liquor Suspended Solids (X)	4,000	mg/L
Return Activated Sludge Suspended Solids (X_R)	8,000	mg/L
Return Sludge Flow at Design Flow (RAS)	0.27	MGD
Return Sludge Flow at Peak Flow (RAS)	1.08	MGD

Aeration Basins

Design Flow for Aeration Basins	0.54	MGD
Design Sludge Retention Time (θ_A)	25	days
Organic Loading Rate	45	lbBOD5/d/1,000 ft3
Required Minimum Volume	*15,012*	*ft ^{3}*
Number of Aeration Basins to Add	2	
Aeration Basin Length	52	ft
Aeration Basin Width	12	ft
Side Water Depth of Aeration Basin	12.167	ft
Total Provided Aeration Basin Volume (V_R)	30,369	ft^3
Aeration Basin in Service with Largest Length	52	ft
Largest Aeration Basin's Side Water Depth	12	ft
Total Aeration Basin Volume with Largest AB out of Service (V_R)	23,789	ft^3
Calculated Oxygen Required	1.63	lbs O_2 / lb BOD_5
Oxygen Requirement (O_2R)	2.17	lbs O_2 / lb BOD_5
Calculated Air Flowrate	504	scfm
Clean water transfer efficiencety	26%	
Clean water transfer efficiency adjustment based on diffuser	45%	
Diffuser Submergence Correction Factor	1.00	

WAS

**Design based on volume of aeration tank*

Provided Aeration Basin Volume (V_R)	0.227	Mgal
Waste Sludge Flowrate from Aeration Basin, Average Flow	0.004543177	MGD
Daily Sludge Production Rate	39,027	lb/d

Aerobic Digester

% of Volatile Solids (%VS)	80%	
% Volatile Solids Destroyed in Digestion (%VSD)	40%	
MLSS Concentration	20,000	mg/L
Minimum Solids Retention Time (SRT)	20	days
Solids Loading	0.3	lb VSS/ft^3-d
Digester Percent Solids	3%	
Mass of Influent Solids	676	ppd
Mass of Digested Solids	459	ppd
Average Solids in Digester	567	ppd
Total Solids in Digester Based on SRT	11,349	lb
Minimum Required Digester Volume	*9,096*	*ft^3*
Number of Digester Basins to Add	1	
Digester Basins Length	52	ft
Digester Basins Width	12	ft
Side Water Depth	12.167	ft
Digester Basin Volume to Add	7,592	ft^3
Digester Basin Volume to Add	56,790	gal
Total Digester Basin Volume	15,184	
% Volatile Solids Destroyed in Degestion (%VSD)	40%	
Total Mass Reduced	216	lb VSS red/day
Oxidation of VSS	2.3	kg O_2/kg VSS
Oxygen Required	224	kg O_2/day
Density of Air	1.204	kg/m^3 @ 20˚ C
Volume of Air Required per Day	801	m^3 air/day
Oxygen Transfer Efficiency	10%	
Air Flow Rate	5.6	m^3/min
Air Loading	193.4	ft^3/min*1000ft^3

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds Influent BOD_5 (lb/d)	676	507	338	169
Pounds of Digested Dry Sludge Produced (lb/d)	459	345	230	115
Pounds of Wet Sludge Produced (lb/d)	22,968	17,226	11,484	5,742
Gallons of Wet Sludge Produced (gpd)	2,754	2,066	1,377	689

Clarifier

Maximum Overflow Rate @ Peak Flow	1,200	gal/day/ft^2
Minimum Detention Time @ Peak Flow	1.8	hours
Maximum Weir Loading	20,000	gal/day/ft
Minimum Required Surface Area (Overflow)	*900*	*ft^2*
Minimum required Surface Area (Detention Time)	*922*	*ft^2*
Minimum Required Weir Length	*54*	*ft*
Number of Clarifiers to Add	0	
Clarifier Diameter	38	ft
Side Water Depth of Clarifier	11.75	ft
Total Weir Length	119	ft
Total Clarifier Surface Area	1,134	ft^2
Total Clarifier Volume	13,326	ft^3
Clarifier in Service with Largest Diameter	38	ft
Side Water Depth of Largest Clarifier	11.75	ft
Total Surface Area with Largest Clarifier out of Service	1,134	ft^2
Total Weir Length with Largest Clarifier out of Service	119	ft
Total Volume with Largest Clarifier out of Service	0	ft^3

Chlorine Contact Basin

Minimum Detention Time at Peak Flow	20	min
Number of Parallel Channels	0	
Width	3.417	ft
Depth	11.167	ft
Length	11	ft
Volume	2,938	ft^3
Detention Time	29.30	min

Phase 3

RAS

**Design to maintain MLSS concentration in aeration basin between 4,000 mg/L and 10,000 mg/L*

**Calculate RAS rate by usign a mass balance of the aeration tank*

Influent Design Flow Rate to Aeration Tank (Q_O)	0.81	MGD
Influent Peak Flow Rate to Aeration Tank (Q_{PEAK})	3.24	MGD
Mixed Liquor Suspended Solids (X)	4,000	mg/L
Return Activated Sludge Suspended Solids (X_R)	8,000	mg/L
Return Sludge Flow at Design Flow (RAS)	0.81	MGD
Return Sludge Flow at Peak Flow (RAS)	3.24	MGD

Aeration Basins

Design Flow for Aeration Basins	1.62	MGD
Design Sludge Retention Time (θ_A)	25	days
Organic Loading Rate	35	lbBOD5/d/1,000 ft3
Required Minimum Volume	*57,903*	*ft^3*
Number of Aeration Basins to Add	4	
Aeration Basin Length	52	ft
Aeration Basin Width	12	ft
Side Water Depth of Aeration Basin	12.167	ft
Total Provided Aeration Basin Volume (V_R)	60,738	ft^3
Aeration Basin in Service with Largest Length	52	ft
Largest Aeration Basin's Side Water Depth	12	ft
Total Aeration Basin Volume (V_R)	60,738	ft^3
Calculated Oxygen Required	1.63	lbs O_2 / lb BOD_5
Oxygen Requirement (O_2R)	2.17	lbs O_2 / lb BOD_5
Calculated Air Flowrate	1,511	scfm
Clean water transfer efficiencety	26%	
Clean water transfer efficiency adjustment based on diffuser	45%	
Diffuser Submergence Correction Factor	1.00	

WAS

**Design based on volume of aeration tank*

Provided Aeration Basin Volume (V_R)	0.454	Mgal
Waste Sludge Flowrate from Aeration Basin, Average Flow	0.009086	MGD
Daily Sludge Production Rate	78,054	lb/d

Aerobic Digester

% of Volatile Solids (%VS)	80%	
% Volatile Solids Destroyed in Digestion (%VSD)	40%	
MLSS Concentration	20,000	mg/L
Minimum Solids Retention Time (SRT)	20	days
Solids Loading	0.3	lb VSS/ft^3-d
Digester Percent Solids	3%	
Mass of Influent Solids	2,027	ppd
Mass of Digested Solids	1,378	ppd
Average Solids in Digester	1,702	ppd
Total Solids in Digester Based on SRT	34,047	lb
Minimum Required Digester Volume	*27,289*	*ft^3*
Number of Digester Basins to Add	2	
Digester Basins Length	52	ft
Digester Basins Width	12	ft
Side Water Depth	12.167	ft
Digester Basin Volume to Add	15,184	ft^3
Digester Basin Volume to Add	113,579	gal
Total Digester Basin Volume	30,369	ft^3
% Volatile Solids Destroyed in Degestion (%VSD)	40%	
Total Mass Reduced	649	lb VSS red/day
Oxidation of VSS	2.3	kg O_2/kg VSS
Oxygen Required	671	kg O_2/day
Density of Air	1.204	kg/m^3 @ 20˚ C
Volume of Air Required per Day	2403	m^3 air/day
Oxygen Transfer Efficiency	10%	
Air Flow Rate	16.7	m^3/min
Air Loading	290.1	ft^3/min*1000ft^3

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds Influent BOD_5 (lb/d)	2,027	1,520	1,013	507
Pounds of Digested Dry Sludge Produced (lb/d)	1,378	1,034	689	345
Pounds of Wet Sludge Produced (lb/d)	68,905	51,679	34,453	17,226
Gallons of Wet Sludge Produced (gpd)	8,262	6,197	4,131	2,066

Clarifier		
Maximum Overflow Rate @ Peak Flow	1,200	gal/day/ft^2
Minimum Detention Time @ Peak Flow	1.8	hours
Maximum Weir Loading	20,000	gal/day/ft
Minimum Required Surface Area (Overflow)	*2,700*	*ft^2*
Minimum required Surface Area (Detention Time)	*2,765*	*ft^2*
Minimum Required Weir Length	*162*	*ft*
Number of Clarifiers to Add	2	
Clarifier Diameter	38	ft
Side Water Depth of Clarifier	11.75	ft
Total Weir Length	358	ft
Total Clarifier Surface Area	3,402	ft^2
Total Clarifier Volume	39,978	ft^3
Clarifier in Service with Largest Diameter	38	ft
Side Water Depth of Largest Clarifier	11.75	ft
Total Surface Area	3,402	ft^2
Total Weir Length	358	ft
Total Volume	26,652	ft^3
Chlorine Contact Basin		
Minimum Detention Time at Peak Flow	20	min
Number of Parallel Channels	8	
Width	3.417	ft
Depth	11.167	ft
Length	11	ft
Volume	6,296	ft^3
Detention Time	20.93	min

Van Alstyne Municipal Utility District No. 3 Wastewater Treatment Plant Facility Design Features

1. Emergency Power Requirements

In accordance with *30 TAC § 217.36* and due to the number and duration of power outages that have occurred in the past, the treatment facility must incorporate an on-site automatically starting generator capable of continuously operating all critical wastewater treatment system units. The fuel tank must be sized for a run time greater than the longest power outage in the power records. This generator will provide enough power for the following units:

A. Influent Lift Station Pumps
B. Mechanical Bar Screens
C. Activated Sludge Mechanical Surface Aerators (one in each basin)
D. Clarifier Sludge Scrapers
E. Return Activated Sludge Pumps
F. Chlorination System
G. Lighting Panels and Control Equipment
H. Effluent Metering Station

An automatic transfer switch will be included to transfer electrical loads to the generator during an outage. In accordance with *30 TAC § 217.37,* the disinfection system will automatically restart during a power outage and upon transfer back to the main power source.

2. Alarm Features

The facility will be equipped with a Supervisory Control and Data Acquisition (SCADA) system to monitor the operation of all critical treatment units. The control room will include a computer with graphic display of the treatment units that will indicate status and alarm conditions. The computer system will include an autodialer to alert facility personnel of the following conditions:

A. Power Outage
B. Influent Lift Station Wet Well High Level
C. Bar Screen Channel High Level
D. Clarifier Torque Overload
E. Equipment Failure
F. Chlorine Leak Detection

The autodialer will store prerecorded messages concerning each alarm condition and the procedure to be followed and will call up to 8 different phone numbers until the alarm condition is acknowledged. The influent lift station and clarifiers will also be equipped with local alarm lights for high level and high torque, respectively.

3. Design Features for Reliability and Operating Flexibility

A. Influent Lift Station: The influent lift station includes three submersible pumps sized to meet peak flow pumping capacity with the largest unit out of service. Level switches will automatically start and stop the pumps based on influent flows and rising and falling wet well levels. High wet well level will result in an alarm condition.

B. Bar Screen: The mechanical bar screen structure will include a bypass channel with a manual screen for use when needed. Slide gates will be used to isolate each channel as required.

C. Aeration Basins: Nine aeration basins will be included, each capable of continuous operation. Piping and valves will be included to allow each unit to be individually isolated for draining, cleaning, or repairs.

4. Overflow Prevention

The following design features will be used to prevent the overflow of wastewater from treatment units.

A. The facility design includes a peaking factor of 4 to ensure adequate hydraulic capacity.

B. The influent lift station will be designed with the capacity to pump peak flow with the largest single pump out of service.

C. The facility hydraulic design, including piping, channels, weirs, troughs, and other features, will be sized to allow the 2-hour peak flow to pass through the facility without exceeding minimum freeboard requirements with any single treatment unit out of service.

ATTACHMENT O:

SOLIDS MANAGEMENT PLAN

Van Alstyne Municipal Utility District No. 3 Wastewater Treatment Plant Solids Management Plan Final Phase

Design Calculations of the Domestic Technical Report 1.1 identifies an influent BOD strength of 300 mg/L. The final design flow capacity of this treatment facility is 0.81 MGD. This corresponds to 2,027 lbs BOD/day (300 mg/L x 8.34 lbs./gallon x 0.20 MGD). The volatile solids in the sludge are estimated to have no reduction, therefore 100% solids would be remaining.

Biosolids Production			
Percent Permitted Flow	Lbs. BOD/ Day Removed	Lbs. Wet Sludge/ Day (@2.0%)	Gal. of Wet Sludge/Day
100%	2,027	68,905	8,262
75%	1,520	51,679	6,197
50%	1,013	34,453	4,131
25%	507	17,226	2,066

Assuming influent BOD at average temperatures and 2.0% solids reduction in the Aerobic Digesters at 100% of design flow, sludge would flow to the solids handling building at 8,262 gallons per day. The total capacity of the proposed aerobic digester basin is 227,175 gallons. The digested sludge will be transported by a TCEQ registered hauler and disposed of at a registered landfill.

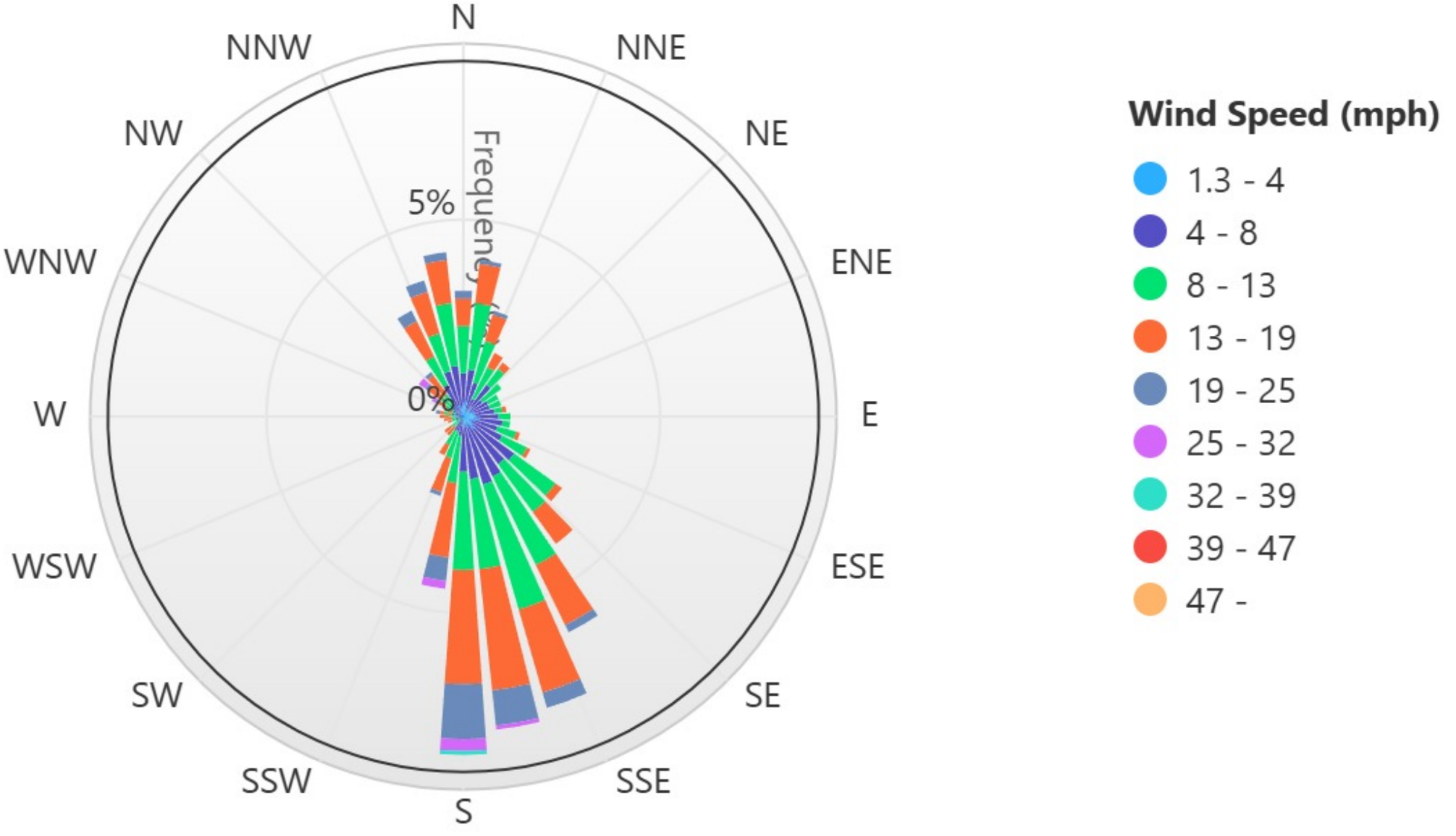
The aerobic digester is designed to be (2) 26’ x 12’ x 12’-2” swd and (3) 52’ x 12’ x 12’-2” swd.

ATTACHMENT P:

WIND ROSE

MCKINNEY MUNICIPAL AP (TX) Wind Rose

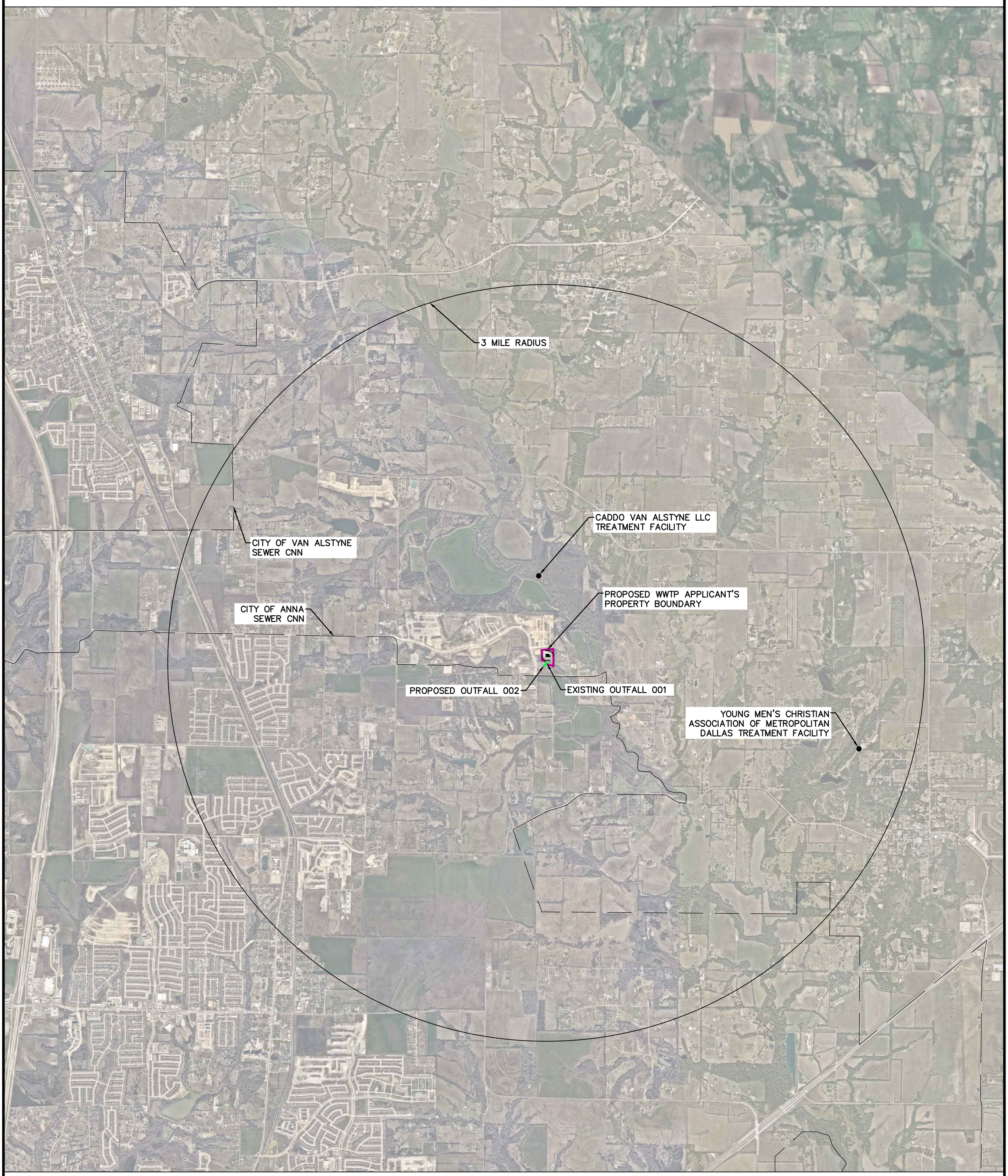
January 01, 2025 - July 01, 2025
Sub-Interval: January 1 - December 31, 0 - 24



ATTACHMENT Q:

NEARBY WASTEWATER TREATMENT FACILITIES

K:\dal_municipal\060047200 – van alstyne no. 3 permit\CADD\Sheet\Nearby Facilities.dwg 5/7/2013 10:40 AM



NORTH

GRAPHIC SCALE IN FEET
0 1000 2000 4000

DATE:	JULY 2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO.:	060047200

NEARBY FACILITIES

VAN ALSTYNE MUD NO.3
WWTP MAJOR AMENDMENT

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS TX 75240
PHONE: 972-770-1300 TEXAS REGISTERED ENGINEERING FIRM #F-928: F-928

No.	Revision	By	Date

ATTACHMENT R:

TCEQ APPROVAL LETTER

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 29, 2022

Timothy Wells, P.E.
PELOTON LAND SOLUTIONS
11000 Frisco St., Suite 400
Frisco, TX 75033

Re: PT Six LP
New On-Site Lift Station and New Concentric Circle Package Plant
Permit No. WQ0015840-001
WWPR Log No. 0322/021
CN605725050, RN110899630
Collin County

Dear Mr. Wells:

TCEQ received the project summary transmittal letter dated 2/17/2022.

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.

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

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

- You must keep 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.

- Any variance from a Chapter 217 requirement disclosed in your summary transmittal letter is approved. 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.

This approval does not mean that future projects will be approved without a complete plans and specifications review. The TCEQ will provide a notification of intent to review whenever a project is to undergo a complete plans and specifications review. 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

ATTACHMENT S:

REGIONALIZATION LETTERS

Douglas, Mac

From: Duncan, Jordan
Sent: Thursday, July 24, 2025 2:20 PM
To: ssmith@annatexas.gov
Cc: Douglas, Mac
Subject: RE: Van Alstyne MUD No. 3 Amendment
Attachments: Regionalization Letter_City of Anna.pdf

Good afternoon,

Wanted to check-in on this request?

The Van Alstyne MUD No. 3 WWTP is requesting to increase their existing TPDES permit from 0.27 MGD to 0.81 MGD. For regionalization purposes, we are required by TCEQ as part of the major amendment application to contact all nearby wastewater treatment facilities or collection systems with a TPDES permit within a 3 mile radius of our existing plant to see if those facilities could take on our additional flow. The City of Van Alstyne's sewer CCN (collection system) does fall within this 3 mile radius. So, we are requesting to see if the City of Van Alstyne would be willing to extend their sewer system to accept this additional 0.54 MGD. If the answer is no, then we may continue with our major amendment application and expansion of the existing plant.

Please let me know if you need any other information, or if you would like to set up a call to discuss.

Thanks,

Jordan Duncan, **P.E.**
Kimley-Horn | 13455 Noel Rd, Ste 700, Dallas, TX 75240
Direct: 972 391 7634 | Main: 972 770 1300

From: Duncan, Jordan
Sent: Friday, July 11, 2025 7:47 AM
To: ssmith@annatexas.gov
Cc: Douglas, Mac <Mac.Douglas@kimley-horn.com>
Subject: Van Alstyne MUD No. 3 Amendment

Good morning,

Kimley-Horn is currently working on a major amendment for the existing Van Alstyne MUD No. 3 WWTP. The plant's outfall location does fall within the 3-mile radius of the City of Anna's collection system.

Would you be able to fill out and return the attached form?

Let me know if you have any questions or would like to discuss anything.

Thanks,

Jordan Duncan, **P.E.**
Kimley-Horn | 13455 Noel Rd, Ste 700, Dallas, TX 75240
Direct: 972 391 7634 | Main: 972 770 1300
Connect with us: Twitter | LinkedIn | Facebook | Instagram | Kimley-Horn.com

Kimley»Horn

July 10, 2025

Mr. Steven Smith, Director of Public Works
City of Anna
120 W. 7th Street
Anna, TX 75407

RE: ***Accepting Additional Wastewater Flow***

Certified Service Area Owner/Domestic Wastewater Facility Owner:

The existing Churchill residential development, located at the northeast intersection of County Road 376 and County Road 429, and Oak Lawn residential development, located on the north side of FM 3133 approximately 0.5 miles east of the intersection with Grayson County Road 80, will fall within three (3) miles of City of Anna sewer CCN limits. The proposed amendment will increase the permitted flow from 0.27 MGD to 0.81 MGD of average day wastewater service capacity. Anticipated average daily wastewater flow at ultimate buildout of the development is 0.81 MGD. Check "yes" or "no" below and sign/date where indicated:

1. Does your collection system currently have the capacity to accept the ultimate buildout flow?

☐ Yes ☐ No

2. If "No" was answered for No. 1, are you willing to expand and extend infrastructure to accept the average daily flow of 0.81 million gallons per day?

☐ Yes ☐ No

_____ _____
Printed Name Title

_____ _____
Signature Date

Please return an executed original in the enclosed stamped, self-addressed envelope. A copy this letter is enclosed for your records.

If you have any questions, please feel free to contact me at 972-391-7634 or jordan.duncan@kimley-horn.com.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.
Texas Firm No. 928

Jordan Duncan, P.E.

Douglas, Mac

From: Douglas, Mac
Sent: Thursday, July 24, 2025 8:54 AM
To: aglushko@cityofvanalstyne.us
Cc: Duncan, Jordan; rsailler@cityofvanalstyne.us
Subject: RE: Van Alstyne MUD No. 3 Amendment

Alex,

The Van Alstyne MUD No. 3 WWTP is requesting to increase their existing TPDES permit from 0.27 MGD to 0.81 MGD. For regionalization purposes, we are required by TCEQ as part of the major amendment application to contact all nearby wastewater treatment facilities or collection systems with a TPDES permit within a 3 mile radius of our existing plant to see if those facilities could take on our additional flow. The City of Van Alstyne's sewer CCN (collection system) does fall within this 3 mile radius. So, we are requesting to see if the City of Van Alstyne would be willing to extend their sewer system to accept this additional 0.54 MGD. If the answer is no, then we may continue with our major amendment application and expansion of the existing plant.

Please let me know if you need any other information, or if you would like to set up a call to discuss.

Thank You,

Mac Douglas, EIT
Kimley-Horn | 13455 Noel Rd, Two Galleria Office Tower, Suite 700, Dallas, TX 75240
Direct: 214-468-7582 | Main: 972-770-1300

From: Alex Glushko <aglushko@cityofvanalstyne.us>
Sent: Wednesday, July 23, 2025 3:16 PM
To: Douglas, Mac <Mac.Douglas@kimley-horn.com>
Cc: Rick Sailler <rsailler@cityofvanalstyne.us>; Duncan, Jordan <Jordan.Duncan@kimley-horn.com>
Subject: RE: Van Alstyne MUD No. 3 Amendment

Mr. Douglas,

Thank you for your message. Unfortunately, the City is unable to respond on the form you provided. The issues and questions raised by the form letter do not lend themselves to a simple "Yes/No" answer. And to my knowledge, the City and MUD No. 3 have no development agreement regarding utilities. If you could provide me with more information on the purpose of your inquiry, I will try to assist you.

Thanks,

Alex Glushko
Director of Development Services
City of Van Alstyne, Texas
P|903.482.5426 ext. 2155
C|903.444.1101

F|903.482.5122

From: Douglas, Mac <Mac.Douglas@kimley-horn.com>
Sent: Tuesday, July 15, 2025 4:45 PM
To: Rick Sailler <rsailler@cityofvanalstyne.us>
Cc: Duncan, Jordan <Jordan.Duncan@kimley-horn.com>
Subject: Van Alstyne MUD No. 3 Amendment

Good Afternoon,

Kimley-Horn is currently working on a major amendment for the existing Van Alstyne MUD No. 3 WWTP. The plant's outfall location does fall within the 3-mile radius of the City of Van Alstyne's collection system.

Would you be able to fill out and return the attached form?

Let me know if you have any questions or would like to discuss anything.

Thank You,

Mac Douglas, EIT
Kimley-Horn | 13455 Noel Rd, Two Galleria Office Tower, Suite 700, Dallas, TX 75240
Direct: 214-468-7582 | Main: 972-770-1300

Kimley»Horn

July 15, 2025

Mr. Rick Sailler, Public Works Director
City of Van Alstyne
152 N Main Drive
Van Alstyne, TX 75495

RE: ***Accepting Additional Wastewater Flow***

Certified Service Area Owner/Domestic Wastewater Facility Owner:

The existing Churchill residential development, located at the northeast intersection of County Road 376 and County Road 429, and Oak Lawn residential development, located on the north side of FM 3133 approximately 0.5 miles east of the intersection with Grayson County Road 80, will fall within three (3) miles of City of Van Alstyne sewer CCN limits. The proposed amendment will increase the permitted flow from 0.27 MGD to 0.81 MGD of average day wastewater service capacity. Anticipated average daily wastewater flow at ultimate buildout of the development is 0.81 MGD. Check “yes” or “no” below and sign/date where indicated:

1. Does your collection system currently have the capacity to accept the ultimate buildout flow?

☐ Yes ☐ No

2. If “No” was answered for No. 1, are you willing to expand and extend infrastructure to accept the average daily flow of 0.81 million gallons per day?

☐ Yes ☐ No

_____ _____
Printed Name Title

_____ _____
Signature Date

Please return an executed original in the enclosed stamped, self-addressed envelope. A copy this letter is enclosed for your records.

If you have any questions, please feel free to contact me at 972-391-7634 or jordan.duncan@kimley-horn.com.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.
Texas Firm No. 928

Jordan Duncan, P.E.

ATTACHMENT T:

COPY OF PERMIT PAYMENT VOUCHER

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number:	785813
Trace Number:	582EA000687270
Date:	10/02/2025 09:44 AM
Payment Method:	CC - Authorization 0000264115
Voucher Amount:	$50.00
Fee Type:	30 TAC 305.53B WQ NOTIFICATION FEE
ePay Actor:	SCOTT GEE
Actor Email:	scottgee@gfb-tx.com
IP:	99.48.6.120

Payment Contact Information

Name:	SCOTT GEE
Company:	757 CHURCHILL DEVELOPMENT LP
Address:	PO 1122, ARGYLE, TX 76226
Phone:	940-231-1244

Close

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
EPAY • ONLINE PAYMENT APPLICATION

Questions or Comments >>

Shopping Cart | Select Fee | Search Transactions | Sign Out

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number:	785812
Trace Number:	582EA000687270
Date:	10/02/2025 09:44 AM
Payment Method:	CC - Authorization 0000264115
Voucher Amount:	$1,600.00
Fee Type:	WW PERMIT - FACILITY WITH FLOW >= .50 & < 1.0 MGD - NEW AND MAJOR AMENDMENTS
ePay Actor:	SCOTT GEE
Actor Email:	scottgee@gfb-tx.com
IP:	99.48.6.120

Payment Contact Information

Name:	SCOTT GEE
Company:	757 CHURCHILL DEVELOPMENT LP
Address:	PO 1122, ARGYLE, TX 76226
Phone:	940-231-1244

Site Information

RN:	RN110899630
Site Name:	VAN ALSTYNE MUD 3 WWTP
Site Location:	3864 CHURCHILL PKWY ANNA TX 75409

Customer Information

CN:	CN605792969
Customer Name:	VAN ALSTYNE MUNICIPAL UTILITY DISTRICT NO 3
Customer Address:	16000 N DALLAS PKWY SUITE 350, DALLAS, TX 75248

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ATTACHMENT U:

HOUSING SCHEDULE

Van Alstyne MUD # 3

Projected House Counts

Year	Homes	Total
2025	185	185
2026	275	460
2027	350	810
2028	360	1170
2029	360	1530
2030	359	1889

Rainee Trevino

From: Douglas, Mac <Mac.Douglas@kimley-horn.com>
Sent: Wednesday, November 5, 2025 5:34 PM
To: Rainee Trevino
Cc: Duncan, Jordan
Subject: RE: Application to Amend Permit No. WQ0015840001-Notice of Deficiency Letter
Attachments: NOD Response Letter_KH.pdf

Rainee,

Thanks for following up. Please see the attached NOD response letter. The existing permit with TCEQ for the plant is at .27 MGD. We added the interim phase II of 0.54 MGD to align with the projected development growth and updated the corresponding calculations and exhibits. As we discussed on the phone, we will not be sending the original permit copies as they have been received by TCEQ.

Please let us know if anything else is needed.

Thank You,

Mac Douglas, EIT
Kimley-Horn | 13455 Noel Rd, Two Galleria Office Tower, Suite 700, Dallas, TX 75240
Direct: 214-468-7582 | Main: 972-770-1300

From: Rainee Trevino <Rainee.Trevino@tceq.texas.gov>
Sent: Wednesday, November 5, 2025 3:13 PM
To: Douglas, Mac <Mac.Douglas@kimley-horn.com>
Cc: Duncan, Jordan <Jordan.Duncan@kimley-horn.com>
Subject: RE: Application to Amend Permit No. WQ0015840001-Notice of Deficiency Letter

Good afternoon,

Following up on the NOD letter sent. The deadline for a complete response is today. Please advise if more time is needed.

Thank you,

Rainee Trevino
Water Quality Division | ARP Team
Texas Commission on Environmental Quality
512-239-4324

Kimley»Horn

November 5, 2025
Rainee Trevino
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

RE: ***Application for Proposed Permit No. WQ0015840001***
Van Alstyne Municipal Utility District No. 3 of Collin County Wastewater Treatment Plant
CN605792969, RN110899630

Dear Rainee:

Thank you for your administrative completeness review letter dated October 22, 2025. We are responding to each numbered item from your letter:

1. Our records indicate an original paper application has not been received. The original paper application and e-copy of the application are both required. Please submit the original paper application to:

   Texas Commission on Environmental Quality
   Water Quality Division
   Applications Review and Processing Team (MC148)
   P.O. Box 13087
   Austin, Texas 78711-3087

Response: FedEx tracking recorded the original paper copies were delivered to the above address on 10/21/2025 at 9:06 am. After further coordination with TCEQ, the original documents have been received.

2. Administrative Report 1.0, Section 3, Item A:
   The individual listed as the person signing the application does match the individual who signed the signature page. Please submit either a revised section 3 with the name of the individual who signed the application or a new signature page to match the individual who is listed in section 3.

Response: Administrative Report 1.0, Section 3, Item A has been revised to match the individual who signed the application on the signature page in Section 14. Deborah Bass is the MUD President and sheets 3, 4 and 5 referring to the MUD President in the Administrative Report 1.0 have been updated with her name. The updated sheets are attached in Appendix A.

3. Plain Language Summary:
   The summaries submitted both in English and Spanish do not include the amendment request. Please resubmit the summaries to include the application amendment request.

Response: The Plain Language Summary has been updated to include the amendment and renewal request. The updated sheets are attached in Appendix B.

4. Affected Landowner Map:
   The map submitted does not include the second proposed outfall/discharge point labeled. Please resubmit the map to include the second proposed outfall/discharge point.

Response: The Affected Landowner Map has been revised to include the second proposed outfall/discharge point. The revised map is attached in Appendix C.

5. Technical Report 1.0, Section 1, Item B:
   Please clarify if an Interim Phase II is also being requested in the amendment request. If not, please submit section 1 of the Technical Report 1.0 corrected.

Response: The current permit issued by TCEQ permits an ADF of 0.27 MGD, so the Interim Phase II has now been updated to 0.54 MGD and the Existing Phase is 0.27. The Final Phase will remain 0.81 MGD. An interim Phase II of 0.54 is being requested. The sheet with Technical Report Section 1.0, Section 1, Items A and B have been updated and is attached in Appendix D. Appendix D also includes updates to design calculations, an updated buffer zone map, and process flow diagram to include the phasing for the Interim Phase II.

6. Public Involvement Plan Form:
   Section 2 states if all check boxes are not checked, a Public Involvement Plan is not required to be completed. Based on the form submitted, a plan is not required, and a brief explanation is required. Please submit the form corrected with the brief explanation or if a form is required, please correct the Plain Language Summary to include the application amendment request.

Response: The public involvement form has been revised as it is not required. The revised form is attached in Appendix E.

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

Response: The outfall description in red is recommended by Kimley-Horn, but it is understood the outfall description is still pending RWA review and is subject to change. The original landowner label list and landowner mailing list contained the incorrect address for Van Alstyne Municipal Utility District No. 3 of Collin County and have been revised. The corrected lists can be found in Appendix F. The NORI should read as follows with corrections noted in red:

> **APPLICATION.** Van Alstyne Municipal Utility District No. 3 of Collin County, 16000 North Dallas Parkway, Suite 350, Dallas, Texas 75248, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015840001 (EPA I.D. No. TX0139742) to authorize an increase to the discharge of treated wastewater to a volume not to exceed 810,000 gallons per day and the addition of a second outfall. The domestic wastewater treatment facility is located at 3864

Churchill Parkway, near the city of Van Alstyne, in Collin County, Texas 75409. The discharge route is from the plant site to outfall 001 into Sweetwater Creek, thence to Sister Grove Creek, thence to Lavon Lake (Segment 0821B). Discharge from outfall 002 is to an unnamed retention pond. TCEQ received this application on October 16, 2025. The permit application will be available for viewing and copying at Melissa Public Library, Front Desk, 3411 Barker Avenue, Melissa, in Collin 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=-96.5125,33.383888&level=18

Further information may also be obtained from Van Alstyne Municipal Utility District No. 3 of Collin County at the address stated above or by calling Ms. Jordan Duncan, P.E., Kimley-Horn, at 972-391-7634.

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

Response: Acknowledged. Kimley-Horn will send the Spanish NORI translation once TCEQ has finalized the NORI based on the Kinley-Horn comments, and once the RWA review is confirmed for the discharge routes.

Sincerely,
KIMLEY-HORN AND ASSOCIATES

Jordan M. Duncan, P.E.

APPENDIX A

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

☒ TPDES Permit

☐ TLAP

☐ TPDES Permit with TLAP component

☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

☐ New

☒ Major Amendment *with* Renewal

☐ Major Amendment *without* Renewal

☐ Renewal without changes

☐ Minor Amendment *with* Renewal

☐ Minor Amendment *without* Renewal

☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: Request to increase annual average discharge flow from 0.27 MGD to 0.81 MGD, and to add an additional discharge location as Outfall 002.

f. For existing permits:

Permit Number: WQ00 15840001

EPA I.D. (TPDES only): TX 0139742

Expiration Date: July 9, 2026

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

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

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

Van Alstyne Municipal Utility District No. 3 of Collin County

(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: 605792969

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: Bass, Deborah

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. Attachment C

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Ms. Last Name, First Name: Duncan, Jordan

Title: Professional Engineer Credential: P.E.

Organization Name: Kimley-Horn

Mailing Address: 13455 Noel Rd, Two Galleria Office Tower, Suite 700 City, State, Zip Code: Dallas, TX 75240

Phone No.: 972-391-7634 E-mail Address: jordan.duncan@kimley-horn.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Mizerek, Andrew

Title: District Engineer Credential: P.E.

Organization Name: Westwood Professional Services

Mailing Address: 11000 Frisco Street Suite 400 City, State, Zip Code: Frisco, TX 75033

Phone No.: 469-213-1800 E-mail Address: andrew.mizerek@westwoodps.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: N/A Last Name, First Name: Bass, Deborah

Title: President Credential: N/A

Organization Name: Van Alstyne Municipal Utility District No. 3 c/o Coats Rose

Mailing Address: 16000 North Dallas Parkway, Suite 350 City, State, Zip Code: Dallas, TX 75248

Phone No.: 972-788-1600 E-mail Address: vamud3@districtdirectory.org

B. Prefix: Mr. Last Name, First Name: Gee, Steve

Title: Manager Credential: N/A

Organization Name: PT Six LP

Mailing Address: 2727 Routh St City, State, Zip Code: Dallas, TX 75201

Phone No.: 214-455-8759 E-mail Address: stevegee@gfb-tx.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: N/A Last Name, First Name: Bass, Deborah

Title: President Credential: N/A

Organization Name: Van Alstyne Municipal Utility District No. 3 c/o Coats Rose

Mailing Address: 16000 North Dallas Parkway, Suite 350 City, State, Zip Code: Dallas, TX 75248

Phone No.: 972-788-1600 E-mail Address: vamud3@districtdirectory.org

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: N/A Last Name, First Name: Bass, Deborah

Title: President Credential: N/A

Organization Name: Van Alstyne Municipal Utility District No. 3 c/o Coats Rose

Mailing Address: 16000 North Dallas Parkway, Suite 350 City, State, Zip Code: Dallas, TX 75248

Phone No.: 972-788-1600 E-mail Address: vamud3@districtdirectory.org

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Duncan, Jordan

Title: Professional Engineer Credential: P.E.

Organization Name: Kimley-Horn

APPENDIX B

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.

Van Alstyne Municipal Utility District No. 3 of Collin County (CN605792969) operates Van Alstyne Municipal Utility District No. 3 WWTP (RN110899630), a wastewater treatment plant. The facility is located at 3864 Churchill Pkwy, in Anna, Collin County, Texas 75409. The design of the WWTP will be used to treat municipal wastewater for approximately 1,889 single family homes.
This application is for renewal and a major amendment to discharge at an annual average flow of 810,000 gallons per day of treated domestic wastewater via Outfalls 001 and 002.

Discharges from the facility are expected to contain Biochemical Oxygen Demand, Total Suspended Solids, Ammonia Nitrogen, and Dissolved Oxygen . Raw wastewater is treated by entering the headworks screen, split into a total of 9 aeration basins, 3 clarifiers, 5 aerobic digesters, 2 chlorine contact basins then to the outfalls .

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.

Van Alstyne Municipal Utility District No. 3 del Condado de Collin (CN605792969)) opera Van Alstyne Municipal Utility District No. 3 WWTP (RN110899630), una planta de tratamiento de aguas residuales. La instalación está ubicada en la calle 3864 Churchill Pkwy, en la ciudad de Anna, Condado de Collin, Texas 75409. La planta de tratamiento se usara para tratar el agua residual municipal generada por aproximadamente 1,889 casas familiares.
Esta solicitud es para la renovación y una enmienda importante para descargar un flujo promedio anual de 810,000 galones por día de aguas residuales domésticas tratadas a través de los desagües 001 y 002.

Se espera que las descargas de la instalación contengan contaminantes de aguas residuales estándares, como demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Oxigeno Disuelto. Las aguas residuales domesticas. están tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluyen una criba de barras, 9 tanques de aireación, 3 clarificadores, 5 digestores aerobicos, 2 tanques de contacto de cloro, y luego seran descargadas a un emisario.

APPENDIX C

K:\DAL_Municipal\060047200 – Van Alstyne No. 3 Permit\CADD\Sheet\Affected Landowners Map.dwg 5/7/2013 10:40 AM

LEGEND

- APPLICANT PROPERTY BOUNDARY
- PROPOSED FACILITY BOUNDARY
- TREATMENT FACILITY BUFFER
- 1 MILE DISCHARGE ROUTE
- DISCHARGE POINT 001
- DISCHARGE POINT 002
- AFFECTED PROPERTY

NORTH

GRAPHIC SCALE IN FEET
0 100 200 400

1
2
3
4
5
6
7
8
9
10
11

DATE:	OCTOBER 2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO.:	060047200

AFFECTED LANDOWNERS MAP

VAN ALSTYNE MUD NO.3
WWTP MAJOR AMENDMENT

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS TX 75240
PHONE: 972-770-1300 TEXAS REGISTERED ENGINEERING FIRM #F-928: F-928

No.	Revision	By	Date

APPENDIX D

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): 0.27

2-Hr Peak Flow (MGD): 1.08

Estimated construction start date: 2026

Estimated waste disposal start date: 2026

B. Interim II Phase

Design Flow (MGD): 0.54

2-Hr Peak Flow (MGD): 2.16

Estimated construction start date: 2027

Estimated waste disposal start date: 2028

C. Final Phase

Design Flow (MGD): 0.81

2-Hr Peak Flow (MGD): 3.24

Estimated construction start date: 2028

Estimated waste disposal start date: 2029

D. Current Operating Phase

Provide the startup date of the facility: June 2025

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

Phase 1

RAS

**Design to maintain MLSS concentration in aeration basin between 4,000 mg/L and 10,000 mg/L*

**Calculate RAS rate by usign a mass balance of the aeration tank*

Influent Design Flow Rate to Aeration Tank (Q_O)	0.27	MGD
Influent Peak Flow Rate to Aeration Tank (Q_{PEAK})	1.08	MGD
Mixed Liquor Suspended Solids (X)	4,000	mg/L
Return Activated Sludge Suspended Solids (X_R)	8,000	mg/L
Return Sludge Flow at Design Flow (RAS)	0.27	MGD
Return Sludge Flow at Peak Flow (RAS)	1.08	MGD

Aeration Basins

Design Flow for Aeration Basins	0.54	MGD
Design Sludge Retention Time (θ_A)	25	days
Organic Loading Rate	45	lbBOD5/d/1,000 ft3
Required Minimum Volume	*15,012*	*ft^3*
Number of Aeration Basins to Add	1	
Aeration Basin Length	52	ft
Aeration Basin Width	12	ft
Side Water Depth of Aeration Basin	12.167	ft
Total Provided Aeration Basin Volume (V_R)	22,777	ft^3
Aeration Basin in Service with Largest Length	52	ft
Largest Aeration Basin's Side Water Depth	12	ft
Total Aeration Basin Volume with Largest AB out of Service (V_R)	16,197	ft^3
Calculated Oxygen Required	1.63	lbs O_2 / lb BOD_5
Oxygen Requirement (O_2R)	2.17	lbs O_2 / lb BOD_5
Calculated Air Flowrate	504	scfm
Clean water transfer efficiencety	26%	
Clean water transfer efficiency adjustment based on diffuser	45%	
Diffuser Submergence Correction Factor	1.00	

WAS

**Design based on volume of aeration tank*

Provided Aeration Basin Volume (V_R)	0.170	Mgal
Waste Sludge Flowrate from Aeration Basin, Average Flow	0.003407383	MGD
Daily Sludge Production Rate	29,270	lb/d

Aerobic Digester

% of Volatile Solids (%VS)	80%	
% Volatile Solids Destroyed in Digestion (%VSD)	40%	
MLSS Concentration	20,000	mg/L
Minimum Solids Retention Time (SRT)	20	days
Solids Loading	0.3	lb VSS/ft^3-d
Digester Percent Solids	3%	
Mass of Influent Solids	676	ppd
Mass of Digested Solids	459	ppd
Average Solids in Digester	567	ppd
Total Solids in Digester Based on SRT	11,349	lb
Minimum Required Digester Volume	*9,096*	*ft^3*
Number of Digester Basins to Add	1	
Digester Basins Length	52	ft
Digester Basins Width	12	ft
Side Water Depth	12.167	ft
Digester Basin Volume to Add	7,592	ft^3
Digester Basin Volume to Add	56,790	gal
Total Digester Basin Volume	15,184	
% Volatile Solids Destroyed in Degestion (%VSD)	40%	
Total Mass Reduced	216	lb VSS red/day
Oxidation of VSS	2.3	kg O_2/kg VSS
Oxygen Required	224	kg O_2/day
Density of Air	1.204	kg/m^3 @ 20˚ C
Volume of Air Required per Day	801	m^3 air/day
Oxygen Transfer Efficiency	10%	
Air Flow Rate	5.6	m^3/min
Air Loading	193.4	ft^3/min*1000ft^3

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds Influent BOD_5 (lb/d)	676	507	338	169
Pounds of Digested Dry Sludge Produced (lb/d)	459	345	230	115
Pounds of Wet Sludge Produced (lb/d)	22,968	17,226	11,484	5,742
Gallons of Wet Sludge Produced (gpd)	2,754	2,066	1,377	689

Clarifier

Maximum Overflow Rate @ Peak Flow	1,200	gal/day/ft^2
Minimum Detention Time @ Peak Flow	1.8	hours
Maximum Weir Loading	20,000	gal/day/ft
Minimum Required Surface Area (Overflow)	*900*	*ft^2*
Minimum required Surface Area (Detention Time)	*922*	*ft^2*
Minimum Required Weir Length	*54*	*ft*
Number of Clarifiers to Add	0	
Clarifier Diameter	38	ft
Side Water Depth of Clarifier	11.75	ft
Total Weir Length	119	ft
Total Clarifier Surface Area	1,134	ft^2
Total Clarifier Volume	13,326	ft^3
Clarifier in Service with Largest Diameter	38	ft
Side Water Depth of Largest Clarifier	11.75	ft
Total Surface Area with Largest Clarifier out of Service	1,134	ft^2
Total Weir Length with Largest Clarifier out of Service	119	ft
Total Volume with Largest Clarifier out of Service	0	ft^3

Chlorine Contact Basin

Minimum Detention Time at Peak Flow	20	min
Number of Parallel Channels	0	
Width	3.417	ft
Depth	11.167	ft
Length	11	ft
Volume	2,938	ft^3
Detention Time	29.30	min

Phase 2

RAS

**Design to maintain MLSS concentration in aeration basin between 4,000 mg/L and 10,000 mg/L*

**Calculate RAS rate by usign a mass balance of the aeration tank*

Influent Design Flow Rate to Aeration Tank (Q_O)	0.54	MGD
Influent Peak Flow Rate to Aeration Tank (Q_{PEAK})	2.16	MGD
Mixed Liquor Suspended Solids (X)	4,000	mg/L
Return Activated Sludge Suspended Solids (X_R)	8,000	mg/L
Return Sludge Flow at Design Flow (RAS)	0.54	MGD
Return Sludge Flow at Peak Flow (RAS)	2.16	MGD

Aeration Basins

Design Flow for Aeration Basins	1.08	MGD
Design Sludge Retention Time (θ_A)	25	days
Organic Loading Rate	45	lbBOD5/d/1,000 ft3
Required Minimum Volume	*30,024*	*ft^3*
Number of Aeration Basins to Add	2	
Aeration Basin Length	52	ft
Aeration Basin Width	12	ft
Side Water Depth of Aeration Basin	12.167	ft
Total Provided Aeration Basin Volume (V_R)	37,961	ft^3
Aeration Basin in Service with Largest Length	52	ft
Largest Aeration Basin's Side Water Depth	12	ft
Total Aeration Basin Volume with Largest AB out of Service (V_R)	31,381	ft^3
Calculated Oxygen Required	1.63	lbs O_2 / lb BOD_5
Oxygen Requirement (O_2R)	2.17	lbs O_2 / lb BOD_5
Calculated Air Flowrate	1,008	scfm
Clean water transfer efficiencety	26%	
Clean water transfer efficiency adjustment based on diffuser	45%	
Diffuser Submergence Correction Factor	1.00	

WAS

**Design based on volume of aeration tank*

Provided Aeration Basin Volume (V_R)	0.284	Mgal
Waste Sludge Flowrate from Aeration Basin, Average Flow	0.005678972	MGD
Daily Sludge Production Rate	48,784	lb/d

Aerobic Digester

% of Volatile Solids (%VS)	80%	
% Volatile Solids Destroyed in Digestion (%VSD)	40%	
MLSS Concentration	20,000	mg/L
Minimum Solids Retention Time (SRT)	20	days
Solids Loading	0.3	lb VSS/ft^3-d
Digester Percent Solids	3%	
Mass of Influent Solids	1,351	ppd
Mass of Digested Solids	919	ppd
Average Solids in Digester	1,135	ppd
Total Solids in Digester Based on SRT	22,698	lb
Minimum Required Digester Volume	*18,193*	*ft^3*
Number of Digester Basins to Add	1	
Digester Basins Length	52	ft
Digester Basins Width	12	ft
Side Water Depth	12.167	ft
Digester Basin Volume to Add	7,592	ft^3
Digester Basin Volume to Add	56,790	gal
Total Digester Basin Volume	22,777	
% Volatile Solids Destroyed in Degestion (%VSD)	40%	
Total Mass Reduced	432	lb VSS red/day
Oxidation of VSS	2.3	kg O_2/kg VSS
Oxygen Required	447	kg O_2/day
Density of Air	1.204	kg/m^3 @ 20˚ C
Volume of Air Required per Day	1602	m^3 air/day
Oxygen Transfer Efficiency	10%	
Air Flow Rate	11.1	m^3/min
Air Loading	386.8	ft^3/min*1000ft^3

Solids Generated	**100% Flow**	**75% Flow**	**50% Flow**	**25% Flow**
Pounds Influent BOD_5 (lb/d)	1,351	1,013	676	338
Pounds of Digested Dry Sludge Produced (lb/d)	919	689	459	230
Pounds of Wet Sludge Produced (lb/d)	45,937	34,453	22,968	11,484
Gallons of Wet Sludge Produced (gpd)	5,508	4,131	2,754	1,377

Clarifier		
Maximum Overflow Rate @ Peak Flow	1,200	gal/day/ft^2
Minimum Detention Time @ Peak Flow	1.8	hours
Maximum Weir Loading	20,000	gal/day/ft
Minimum Required Surface Area (Overflow)	*1,800*	*ft^2*
Minimum required Surface Area (Detention Time)	*1,843*	*ft^2*
Minimum Required Weir Length	*108*	*ft*
Number of Clarifiers to Add	1	
Clarifier Diameter	38	ft
Side Water Depth of Clarifier	11.75	ft
Total Weir Length	239	ft
Total Clarifier Surface Area	2,268	ft^2
Total Clarifier Volume	26,652	ft^3
Clarifier in Service with Largest Diameter	38	ft
Side Water Depth of Largest Clarifier	11.75	ft
Total Surface Area with Largest Clarifier out of Service	2,268	ft^2
Total Weir Length with Largest Clarifier out of Service	239	ft
Total Volume with Largest Clarifier out of Service	13,326	ft^3
Chlorine Contact Basin		
Minimum Detention Time at Peak Flow	20	min
Number of Parallel Channels	8	
Width	3.417	ft
Depth	11.167	ft
Length	11	ft
Volume	6,296	ft^3
Detention Time	31.40	min

Phase 3

RAS

**Design to maintain MLSS concentration in aeration basin between 4,000 mg/L and 10,000 mg/L*

**Calculate RAS rate by usign a mass balance of the aeration tank*

Influent Design Flow Rate to Aeration Tank (Q_O)	0.81	MGD
Influent Peak Flow Rate to Aeration Tank (Q_{PEAK})	3.24	MGD
Mixed Liquor Suspended Solids (X)	4,000	mg/L
Return Activated Sludge Suspended Solids (X_R)	8,000	mg/L
Return Sludge Flow at Design Flow (RAS)	0.81	MGD
Return Sludge Flow at Peak Flow (RAS)	3.24	MGD

Aeration Basins

Design Flow for Aeration Basins	1.62	MGD
Design Sludge Retention Time (θ_A)	25	days
Organic Loading Rate	35	lbBOD5/d/1,000 ft3
Required Minimum Volume	*57,903*	*ft^3*
Number of Aeration Basins to Add	3	
Aeration Basin Length	52	ft
Aeration Basin Width	12	ft
Side Water Depth of Aeration Basin	12.167	ft
Total Provided Aeration Basin Volume (V_R)	60,738	ft^3
Aeration Basin in Service with Largest Length	52	ft
Largest Aeration Basin's Side Water Depth	12	ft
Total Aeration Basin Volume (V_R)	60,738	ft^3
Calculated Oxygen Required	1.63	lbs O_2 / lb BOD_5
Oxygen Requirement (O_2R)	2.17	lbs O_2 / lb BOD_5
Calculated Air Flowrate	1,511	scfm
Clean water transfer efficiencety	26%	
Clean water transfer efficiency adjustment based on diffuser	45%	
Diffuser Submergence Correction Factor	1.00	

WAS

**Design based on volume of aeration tank*

Provided Aeration Basin Volume (V_R)	0.454	Mgal
Waste Sludge Flowrate from Aeration Basin, Average Flow	0.009086	MGD
Daily Sludge Production Rate	78,054	lb/d

Aerobic Digester

% of Volatile Solids (%VS)	80%	
% Volatile Solids Destroyed in Digestion (%VSD)	40%	
MLSS Concentration	20,000	mg/L
Minimum Solids Retention Time (SRT)	20	days
Solids Loading	0.3	lb VSS/ft^3-d
Digester Percent Solids	3%	
Mass of Influent Solids	2,027	ppd
Mass of Digested Solids	1,378	ppd
Average Solids in Digester	1,702	ppd
Total Solids in Digester Based on SRT	34,047	lb
Minimum Required Digester Volume	*27,289*	*ft^3*
Number of Digester Basins to Add	1	
Digester Basins Length	52	ft
Digester Basins Width	12	ft
Side Water Depth	12.167	ft
Digester Basin Volume to Add	7,592	ft^3
Digester Basin Volume to Add	56,790	gal
Total Digester Basin Volume	30,369	ft^3
% Volatile Solids Destroyed in Degestion (%VSD)	40%	
Total Mass Reduced	649	lb VSS red/day
Oxidation of VSS	2.3	kg O_2/kg VSS
Oxygen Required	671	kg O_2/day
Density of Air	1.204	kg/m^3 @ 20˚ C
Volume of Air Required per Day	2403	m^3 air/day
Oxygen Transfer Efficiency	10%	
Air Flow Rate	16.7	m^3/min
Air Loading	580.3	ft^3/min*1000ft^3

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds Influent BOD_5 (lb/d)	2,027	1,520	1,013	507
Pounds of Digested Dry Sludge Produced (lb/d)	1,378	1,034	689	345
Pounds of Wet Sludge Produced (lb/d)	68,905	51,679	34,453	17,226
Gallons of Wet Sludge Produced (gpd)	8,262	6,197	4,131	2,066

Clarifier		
Maximum Overflow Rate @ Peak Flow	1,200	gal/day/ft^2
Minimum Detention Time @ Peak Flow	1.8	hours
Maximum Weir Loading	20,000	gal/day/ft
Minimum Required Surface Area (Overflow)	*2,700*	*ft^2*
Minimum required Surface Area (Detention Time)	*2,765*	*ft^2*
Minimum Required Weir Length	*162*	*ft*
Number of Clarifiers to Add	1	
Clarifier Diameter	38	ft
Side Water Depth of Clarifier	11.75	ft
Total Weir Length	358	ft
Total Clarifier Surface Area	3,402	ft^2
Total Clarifier Volume	39,978	ft^3
Clarifier in Service with Largest Diameter	38	ft
Side Water Depth of Largest Clarifier	11.75	ft
Total Surface Area	3,402	ft^2
Total Weir Length	358	ft
Total Volume	26,652	ft^3
Chlorine Contact Basin		
Minimum Detention Time at Peak Flow	20	min
Number of Parallel Channels	0	
Width	3.417	ft
Depth	11.167	ft
Length	11	ft
Volume	6,296	ft^3
Detention Time	20.93	min

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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND

PHASE 1

PHASE 2

PHASE 3

APPLICANT PROPERTY LINE

150.0'

150.4'

DIGESTER

AERATION

CLARIFIER

CHLORINE CONTACT BASIN

150' TREATMENT FACILITY BUFFER

100–YR FLOODPLAIN

EXISTING OUTFALL 001 LOCATION

PPROPOSED OUTFALL 002 LOCATION

DATE:	OCTOBER 2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO.:	060047200

BUFFER ZONE MAP

VAN ALSTYNE MUD NO.3
WWTP MAJOR AMENDMENT

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS TX 75240
PHONE: 972-770-1300 TEXAS REGISTERED ENGINEERING FIRM #F-928: F-928

No.	Revision	By	Date

Kimley»Horn
13455 NOEL ROAD, TWO GALLERIA OFFICE TOWER, SUITE 700, DALLAS TX 75240
PHONE: 972-770-1300 TEXAS REGISTERED ENGINEERING FIRM #F-928 T-928

No.	Revision	By	Date

VAN ALSTYNE MUD NO.3
WWTP MAJOR AMENDMENT

PROCESS FLOW DIAGRAM

DATE:	OCTOBER 2025
DESIGN:	JMD
DRAWN:	MD
CHECKED:	MPM
KHA NO.:	060047200

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APPENDIX E

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

☐ New Permit or Registration Application

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

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

Section 2. Secondary Screening

☒ Requires public notice,

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

☐ Located within any of the following geographical locations:

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

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

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

The permit activity is not considered to have significant public interest and is not located in one of the listed geographical areas.

Section 3. Application Information

Type of Application (check all that apply):

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

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

Water Quality

☒ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

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

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Van Alstyne Municipal Utility District No. 3 of Collin County (605792969) operates Van Alstyne Municipal Utility District No. 3 WWTP (110899630), a wastewater treatment plant. The facility is located at 3864 Churchill Pkwy, in Anna, Collin County, Texas 75409. The design of the WWTP will be used to treat municipal wastewater for approximately 1,875 single family homes . This permit will not authorize a discharge of pollutants into water in the state.
Discharges from the facility are expected to contain Biochemical Oxygen Demand, Total Suspended Solids, Ammonia Nitrogen, and Dissolved Oxygen . Raw wastewater is treated by entering the headworks screen, split into a total of 9 aeration basins, 3 clarifiers, 5 aerobic digesters, 2 chlorine contact basins then to the outfall .

Section 5. Community and Demographic Information

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

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

(City)

(County)

Collin

(Census Tract)
Please indicate which of these three is the level used for gathering the following information.

☐ City ☒ County ☐ Census Tract

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

94.5%

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

$55,057

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

49.9 % White alone not Hispanic or Latino, 12.0% Black, 0.7% American Indian and Alaska Native, 19.7% Asian, 0.1% Native Hawaiian and Other Pacific Islander, 3.0% Two or More Races, 16.1% Hispanic or Latino

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

3.8%

(e) Languages commonly spoken in area by percentage

68% English, 10.4% Spanish, 8.7% Other Indo-European languages, 10.0% Asian and Pacific Islander languages, 2.9% Other languages

(f) Community and/or Stakeholder Groups

N/A

(g) Historic public interest or involvement

N/A

Section 6. Planned Public Outreach Activities

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If Yes, please describe.

N/A

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

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

☐ Yes ☐ No

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

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

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify) N/A

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

☐ TCEQ Regional Office ☐ TCEQ Central Office

☐ Public Place (specify) N/A

Section 7. Voluntary Submittal

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

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

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify) N/A

APPENDIX F

Parcel #	Landowner	Mailing Address
1	VAN ALSTYNE MUNICIPAL UTILITY DISTRICT NO 3	16000 NORTH DALLAS PKWY STE 350, DALLAS, TX 75248-6637
2	757 CHURCHILL DEVELOPMENT LP	2727 ROUTH ST, DALLAS, TX 75201-1997
3	ELLIOT JOHN HOWARD &	4215 COUNTY ROAD 429, ANNA, TX 75409-6015
4	757 CHURCHILL DEVELOPMENT LP	2727 ROUTH ST, DALLAS, TX 75201-1997
5	S FAMILY TRUST THE u/a dtd SEPTEMBER 10, 2018	340 HOUSTON DR, HOT SPRINGS NATIONAL PARK, AR 71913-9536
6	ADAMS SAMUEL MOORE	4701 COUNTY ROAD 429, ANNA, TX 75409-6037
7	POWELL ALTON KEITH &	3805 IVYWOOD CT, ARLINGTON, TX 76016-3036
8	POWELL ALTON KEITH &	3805 IVYWOOD CT, ARLINGTON, TX 76016-3036
9	FRODSHAM JOSEPH B &	3700 EDGESTON DR, PLANO, TX 75093-7694
10	WALKER GARY G &	14115 COUNTY ROAD 479, VAN ALSTYNE, TX 75495-8223
11	HUNTER NEAL &	910 W UNIVERSITY DR, MCKINNEY, TX 75069-4899

Applicant Name: Deborah Bass. Company: Van Alstyne Municipal Utility District No. 3 c/o Coats Rose. Permit Number: WQ0015840001

VAN ALSTYNE MUNICIPAL UTILITY DISTRICT NO 3
16000 NORTH DALLAS PKWY STE 350
DALLAS TX 75248-6637

757 CHURCHILL DEVELOPMENT LP
2727 ROUTH ST
DALLAS TX 75201-1997

ELLIOT JOHN HOWARD &
4215 COUNTY ROAD 429
ANNA TX 75409-6015

FIELDS FAMILY TRUST THE u/a dtd SEPTEMBER 10, 2018
340 HOUSTON DR
HOT SPRINGS NATIONAL PARK AR 71913-9536

ADAMS SAMUEL MOORE
4701 COUNTY ROAD 429
ANNA TX 75409-6037

POWELL ALTON KEITH &
3805 IVYWOOD CT
ARLINGTON TX 76016-3036

FRODSHAM JOSEPH B &
3700 EDGESTON DR
PLANO TX 75093-7694

WALKER GARY G &
14115 COUNTY ROAD 479
VAN ALSTYNE TX 75495-8223

HUNTER NEAL &
910 W UNIVERSITY DR
MCKINNEY TX 75069-4899

Rainee Trevino

From: Douglas, Mac <Mac.Douglas@kimley-horn.com>
Sent: Friday, November 7, 2025 10:24 AM
To: Rainee Trevino
Cc: Duncan, Jordan
Subject: RE: Application to Amend Permit No. WQ0015840001-Notice of Deficiency Letter

Andrew Mizerek is still the correct administrative contact. He represents the owner of the plant.

Thank You,

Mac Douglas, EIT
Kimley-Horn | 13455 Noel Rd, Two Galleria Office Tower, Suite 700, Dallas, TX 75240
Direct: 214-468-7582 | Main: 972-770-1300

From: Rainee Trevino <Rainee.Trevino@tceq.texas.gov>
Sent: Friday, November 7, 2025 10:22 AM
To: Douglas, Mac <Mac.Douglas@kimley-horn.com>
Cc: Duncan, Jordan <Jordan.Duncan@kimley-horn.com>
Subject: RE: Application to Amend Permit No. WQ0015840001-Notice of Deficiency Letter

One last thing, we have Mr. Andrew Mizerek as the administrative contact. Is this information still correct or does it need to be changed to yourself? If you are now the administrative contact, please provide the following information:

Title
Address
Phone number

Thank you,

Rainee Trevino
Water Quality Division | ARP Team
Texas Commission on Environmental Quality
512-239-4324

From: Rainee Trevino
Sent: Friday, November 7, 2025 10:06 AM
To: 'Douglas, Mac' <Mac.Douglas@kimley-horn.com>

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: Andrew Mizerek

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

Title: District Engineer

Mailing Address: 11000 Frisco Street Suite 400

City, State, Zip Code: Frisco, Texas 75033

Phone No.: (469) 213-1800 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: Andrew.mizerek@westwoodps.com

2. List the county in which the facility is located: Collin County
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.

Discharge is from outfall 001 into Sweetwater Creek, thence to the Sister Grove Creek, thence to Lavon Lake (Segment 0821B). Discharge from outfall 002 is to an unnamed retention pond through a spillway, thence to Sister Grove Creek, thence to Lavon Lake (Segment 0821B).

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

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

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

☐ Proposed access roads, utility lines, construction easements

☐ Visual effects that could damage or detract from a historic property's integrity

☐ Vibration effects during construction or as a result of project design

☐ Additional phases of development that are planned for the future

☐ Sealing caves, fractures, sinkholes, other karst features

Rainee Trevino

From: Douglas, Mac <Mac.Douglas@kimley-horn.com>
Sent: Wednesday, November 19, 2025 12:58 PM
To: Michelle Labrie; Duncan, Jordan
Cc: andrew.mizerek@westwoodps.com; Rainee Trevino
Subject: RE: 15840-001, discharge route questions
Attachments: VA MUD No. 3 Permit_Outfall 002 Discharge Route Revision .pdf

Follow Up Flag: Follow up
Flag Status: Completed

Michelle,

Please see the attached revised sheet 2 from the SPIF with the updated discharge route description for outfall 002.

Let us know if you need anything else.

Thank You,

Mac Douglas, EIT
Kimley-Horn | 13455 Noel Rd, Two Galleria Office Tower, Suite 700, Dallas, TX 75240
Direct: 214-468-7582 | Main: 972-770-1300

From: Michelle Labrie <Michelle.Labrie@tceq.texas.gov>
Sent: Wednesday, November 19, 2025 10:47 AM
To: Duncan, Jordan <Jordan.Duncan@kimley-horn.com>
Cc: Douglas, Mac <Mac.Douglas@kimley-horn.com>; andrew.mizerek@westwoodps.com; Rainee Trevino <Rainee.Trevino@tceq.texas.gov>
Subject: RE: 15840-001, discharge route questions

Duncan,

Thanks for your reply. To comply with out rules, every outfall needs a discharge route description that extends to the classified segment. Please provide a revised application page with the discharge route description for 002 extending to the segment rather than ending in the detention pond. It is fine to say from the detention pond through a spillway to Sweetwater Creek…. Etc. Please send this page at your earliest convenience to avoid any processing delays.

Thank you,
Michelle

From: Duncan, Jordan <Jordan.Duncan@kimley-horn.com>
Sent: Monday, November 17, 2025 7:42 AM
To: Michelle Labrie <Michelle.Labrie@tceq.texas.gov>
Cc: Douglas, Mac <Mac.Douglas@kimley-horn.com>; andrew.mizerek@westwoodps.com
Subject: RE: 15840-001, discharge route questions

Michelle,

The retention pond is approximately 5 acres with an average depth of 20 ft. Please let me know if record drawings are required. The pond will be filled for over 90% year of the year with both stormwater and plant effluent, and therefore perennial.

This pond will not flow into the creek but will instead stay as a retention pond. In the case of overflow, it will flow over the spillway into the creek. The spillway is currently under construction, and the estimated completion date is 11/21/25.

Thanks,

Jordan Duncan, **P.E.**
Kimley-Horn | 13455 Noel Rd, Ste 700, Dallas, TX 75240
Direct: 972 391 7634 | Main: 972 770 1300

From: Michelle Labrie <Michelle.Labrie@tceq.texas.gov>
Sent: Tuesday, October 28, 2025 5:22 PM
To: Duncan, Jordan <Jordan.Duncan@kimley-horn.com>; andrew.mizerek@westwoodps.com
Subject: 15840-001, discharge route questions

Good afternoon,

I'm the Standards reviewer for permit 15840-001 and have a few follow up questions regarding your application. I see from the pictures that the retention pond that outfall 002 will flow into is existing, but it is not on the most recent aerial imagery on Google Earth (2024). Can you please provide the size of the retention pond and confirm that it is perennial?

Secondly can you clarify how the water will flow from the detention pond to Sweetwater Creek (via pipe or via ditch, etc). Please provide coordinates of where it will outfall to the creek as well.

Thank you, and please let me know if you have any questions.

Michelle S. Labrie
TCEQ Water Quality Division
Michelle.Labrie@tceq.texas.gov
Phone: 512.239.4535