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

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary 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 as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. Applicants may modify the template as necessary to accurately describe their 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 the applicant 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.

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.

The City of Greenville (CN600241525) operates the Greenville Wastewater Reclamation Center (RN102074770), an activated sludge process plant that utilizes Sequencing Batch Reactors (SBRs). The facility is located at 100 Division Street, in Greenville, Hunt County, Texas 75401. This application is for a permit amendment to expand the Greenville Wastewater Reclamation Center from 6 million gallons per day (MGD) to 18 MGD by adding a similar SBR type process and utilizing a granular activated sludge process. The expansion will be within the footprint of the existing plant and discharge of treated wastewater will continue to be from Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH3-N), total copper, 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 that utilizes sequencing batch reactors and treatment units include fine screens, sequencing batch reactors, an effluent equalization basin, UV disinfection channels, an excess flow pond (if necessary), sludge holding basins, and a belt filter press for the existing 6.0 MGD phase. For the final 18.0 MGD phase, wastewater will be treated by an activated sludge process utilizing sequencing batch reactors and a granular activated sludge process and treatment units will include fine screens, a grit removal system, sequencing batch reactors, granular activated sludge basins, effluent equalization basins, disk filters, UV disinfection channels, an excess flow pond (if necessary), sludge holding basins, a belt filter press, and sludge cake management conveyors.

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.

La ciudad de Greenville (CN600241525) opera el Centro de Recuperación de Aguas Residuales de Greenville (RN102074770), una planta de procesamiento de lodos activados que utiliza reactores discontinuos de secuenciación (SBR). La instalación está ubicada en 100 Division Street, en Greenville, Condado de Hunt, Texas 75401. Esta solicitud es para una enmienda de permiso para expandir el Centro de Recuperación de Aguas Residuales de Greenville de 6 millones de galones por día (MGD) a 18 MGD mediante la adición de un proceso similar de tipo SBR y la utilización de un proceso de lodo activado granular. La expansión estará dentro de la huella de la planta existente y la descarga de aguas residuales tratadas continuará siendo desde el emisario 001.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N), cobre total y Escherichia coli. Los contaminantes potenciales adicionales se incluyen en el Informe Técnico Doméstico 1.0, Sección 7 Análisis de Contaminantes de Efluentes Tratados y la Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permiso. Las aguas residuales domésticas es tratado por mediante un proceso de lodo activado que utiliza reactores discontinuos de secuenciación y las unidades de tratamiento incluyen cribas finas, reactores discontinuos de secuenciación, una cuenca de ecualización de efluentes, canales de desinfección UV, un estanque de exceso de flujo (si es necesario), cuencas de retención de lodos y un filtro prensa de banda para la fase 6.0 MGD existente. Para la fase final de 18.0 MGD, las aguas residuales serán tratadas mediante un proceso de lodos activados utilizando reactores discontinuos de secuenciación y un proceso de lodos activados granulares y las unidades de tratamiento incluirán cribas finas, un sistema de eliminación de arena, reactores discontinuos de secuenciación, cuencas de lodos activados granulares, cuencas de ecualización de efluentes, filtros de disco, canales de desinfección UV, un estanque de exceso de flujo (si es necesario), cuencas de retención de lodos, un filtro prensa de banda y transportadores de manejo de tortas de lodos.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010485002

APPLICATION. City of Greenville, P.O. Box 1049, Greenville, Texas 75403, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010485002 (EPA I.D. No. TX0055611) to authorize an increase to the discharge of treated wastewater to a volume not to exceed an annual average flow of 18,000,000 gallons per day. The domestic wastewater treatment facility is located at 100 Division Street, in the city of Greenville, in Hunt County, Texas 75402. The discharge route is from the plant site to Long Branch; thence to Cowleech Fork Sabine River; thence to Lake Tawakoni. TCEQ received this application on December 13, 2024. The permit application will be available for viewing and copying at W. Walworth Harrison Library, 1 Lou Finney Lane, Greenville, in Hunt 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=-96.073888,33.120555&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 City of Greenville at the address stated above or by calling Mr. Bill Erwin, WWTP Superintendent, at 903-457-2995.

Issuance Date: January 3, 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. WQ0010485002

SOLICITUD. Ciudad de Greenville, P.O. Box 1049, Greenville, Texas 75403 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0010485002 (EPA I.D. No. TX0055611) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar un aumento en la descarga de aguas residuales tratadas a un volumen que no exceda un flujo promedio anual de 18,000,000 galones por día. La planta está ubicada 100 Division Street, cerca de la ciudad de Greenville en el Condado de Hunt, Texas. La ruta de descarga es del sitio de la planta a Long Branch; de Cowleech Fork del río Sabine; de allí al lago Tawakoni. La TCEQ recibió esta solicitud el 13 de diciembre de 2024. La solicitud para el permiso está disponible para leerla y copiarla en W. Walworth Biblioteca Harrison, 1 Lou Finney Lane, Greenville, en el condado de Hunt, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.073888,33.120555&level=18

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

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

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

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

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión. La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a

intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.

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

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

También se puede obtener información adicional del ciudad de greenville a la dirección indicada arriba o llamando a Sr. Bill Erwin al 903-457-2995.

Fecha de emisión: 3 de enero de 2025

TPDES Permit Amendment Application

City of Greenville –

Greenville Wastewater Reclamation Center

TCEQ Permit No. WQ0010485002

December 2024

Hanson Professional Services Inc. Project No. 22L0081B

HANSON

Engineering | Planning | Allied Services

Administrative Report

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Greenville

PERMIT NUMBER (If new, leave blank): WQ00 10485002

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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: 268576

Check/Money Order Amount: $2,050.00

Name Printed on Check: Texas Commission on Environmental Quality

EPAY — Voucher Number: N/A

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

☒ Publicly-Owned Domestic Wastewater

☐ Privately-Owned Domestic Wastewater

☐ Conventional Wastewater Treatment

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

☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: The Greenville Wastewater Reclamation Center is being expanded from 6 million gallons per day (MGD) to 18 MGD by adding an aerobic granulated sludge sequencing batch reactor type process within the footprint of the existing plant. The headworks will be expanded with an additional screen, added pumps, new grit removal system, tertiary filtration, expanded UV disinfection, added sludge storage/digestion and added dry sludge cake management.

f. For existing permits:

Permit Number: WQ00 10485002

EPA I.D. (TPDES only): TX 0055611

Expiration Date: 8/30/2026

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?

City of Greenville

(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: 600241525

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: Ms. Last Name, First Name: Spurlock, Summer

Title: City Manager Credential: N/A

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

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

N/A

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

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

CN: N/A

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

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

Title: N/A Credential: N/A

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. **See Attachment A**

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Erwin, William (Bill)

Title: WWTP Superintendent Credential: N/A

Organization Name: City of Greenville

Mailing Address: P.O. Box 1049 City, State, Zip Code: Greenville, TX 75403

Phone No.: (903) 457-2995 E-mail Address: berwin@ci.greenville.tx.us

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Ms. Last Name, First Name: Ducrest, Tara

Title: Environmental Scientist Credential: N/A

Organization Name: Hanson Professional Services Inc.

Mailing Address: 4501 Gollihar City, State, Zip Code: Corpus Christi, TX 78411

Phone No.: (361) 414-6487 E-mail Address: tducrest@hanson-inc.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Erwin, Bill

Title: WWTP Superintendent Credential: N/A

Organization Name: City of Greenville

Mailing Address: P.O. Box 1049 City, State, Zip Code: Greenville, TX 75403

Phone No.: (903) 457-2995 E-mail Address: berwin@ci.greenville.tx.us

B. Prefix: Ms. Last Name, First Name: Dunn, Sue

Title: WRC Tech Service Coordinator Credential: N/A

Organization Name: City of Greenville

Mailing Address: P.O. Box 1049 City, State, Zip Code: Greenville, TX 75403

Phone No.: (903) 457-2991 E-mail Address: sdunn@ci.greenville.tx.us

Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits ***in effect on September 1 of each year***. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix: Mr. Last Name, First Name: Erwin, Bill

Title: WWTP Superintendent Credential: N/A

Organization Name: City of Greenville

Mailing Address: P.O. Box 1049 City, State, Zip Code: Greenville, TX 75403

Phone No.: (903) 457-2991 E-mail Address: berwin@ci.greenville.tx.us

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

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

Prefix: Mr. Last Name, First Name: Erwin, Bill

Title: WWTP Superintendent Credential: N/A

Organization Name: City of Greenville

Mailing Address: P.O. Box 1049 City, State, Zip Code: Greenville, TX 75403

Phone No.: (903) 457-2995 E-mail Address: berwin@ci.greenville.tx.us

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Ducrest, Tara

Title: Environmental Scientist Credential: N/A

Organization Name: Hanson Professional Services Inc.

Mailing Address: 4501 Gollihar City, State, Zip Code: Corpus Christi, TX 78411

Phone No.: (361) 414-6487 E-mail Address: tducrest@hanson-inc.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Erwin, Bill

Title: WWTP Superintendent Credential: N/A

Organization Name: City of Greenville

Mailing Address: P.O. Box 1049 City, State, Zip Code: Greenville, TX 75403

Phone No.: (903) 457-2995 E-mail Address: berwin@ci.greenville.tx.us

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: W. Walworth Harrison Public Library

Location within the building: Public Library

Physical Address of Building: 1 Lou Finney Lane

City: Greenville County: Hunt

Contact (Last Name, First Name): Erwin, Bill

Phone No.: (903) 457-2995 Ext.: N/A

E. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

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

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

   ☐ Yes ☒ No

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

   ☐ Yes ☒ No

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

   ☐ Yes ☒ No

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

F. Plain Language Summary Template

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

Attachment: Attachment B

G. Public Involvement Plan Form

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

Attachment: Attachment C

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** 102074770

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):

Greenville Wastewater Reclamation Center

C. Owner of treatment facility: City of Greenville

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: City of Greenville

Mailing Address: P.O. Box 1049 City, State, Zip Code: Greenville, TX 75403

Phone No.: (903) 457-2995 E-mail Address: berwin@ci.greenville.tx.us

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

E. Owner of effluent disposal site:

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

Title: N/A Credential: N/A

Organization Name: N/A

Mailing Address: N/A City, State, Zip Code: N/A

Phone No.: N/A E-mail Address: N/A

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

Attachment: N/A

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

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

Title: N/A Credential: N/A

Organization Name: N/A

Mailing Address: N/A City, State, Zip Code: N/A

Phone No.: N/A E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☒ Yes ☐ No

If **no**, **or a new permit application**, please give an accurate description:

N/A

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:

N/A

City nearest the outfall(s): Greenville

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

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: Hunt, Rains, Van Zandt, Wood, Smith

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: **See Attachment D**

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

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: A – Core Data Form
B – Plain Language Summary
C – Public Involvement Plan Form
D – Topographic Map
E – Landowner Map, List, and Labels
F – Original Photos and Map
G – Buffer Zone Map
H – Buffer Zone Requirement Information
I – SPIF
J – Topographic Map for SPIF
K – Flow Diagrams

L – Site Drawing
M – Existing Phase Summary Transmittal Approval Letter
N – Sewage Sludge Solids Management Plan
O – List and Map of Domestic WWTP within Three Miles
P – Plant Design Summary
Q – Wind Rose
R – List of Parameters Above MAL

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010485002

Applicant: City of Greenville

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): Summer Spurlock

Signatory title: City Manager

Signature: _____ Date: 11/15/2024

(Use blue ~~ink~~)

Subscribed and Sworn to before me by the said Summer Spurlock

on this 15th day of November, 2024.

My commission expires on the 3rd day of May, 2025.

Carla Oldacre

Notary Public

CARLA OLDACRE
Notary Public
STATE OF TEXAS
Commission Expires 05/03/2025
Notary ID# 12326379

Hunt

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: **See Attachment E for Landowner Map, List, and Labels**

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

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

C. Indicate by a check mark in which format the landowners list is submitted:

☐ USB Drive ☒ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: Hunt County 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

See Attachment F

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.

See Attachment G

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

☒ 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 I and J for SPIF and Topographic Map for SPIF

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Waste Permit No:** 0010485002

1. Check or Money Order Number: 268576
2. Check or Money Order Amount: $2,050.00
3. Date of Check or Money Order: 12/5/2024
4. Name on Check or Money Order: Texas Commission on Environmental Quality
5. APPLICATION INFORMATION

   Name of Project or Site: Greenville Wastewater Reclamation Center

   Physical Address of Project or Site: 100 Division Street, Greenville, TX 75401

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

Staple Check or Money Order in This Space

This is a copy of the payment submittal form information and check that were submitted separately.

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 43)

A. Existing/Interim I Phase

Design Flow (MGD): 6.0

2-Hr Peak Flow (MGD): 18.0

Estimated construction start date: Existing

Estimated waste disposal start date: June 14, 2012

B. Interim II Phase

Design Flow (MGD): N/A

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): 18.0

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: February 2027

Estimated waste disposal start date: August 2028

D. Current Operating Phase

Provide the startup date of the facility: Existing – June 14, 2012

Section 2. Treatment Process (Instructions Page 43)

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**.

Existing Phase – The Greenville Wastewater Reclamation Center consists of an activated sludge process utilizing Sequencing Batch Reactors (SBR). Influent wastewater flows to the headworks, which consists of two parallel fine screens. Flow is pumped to the four SBR basins, which can process an average daily flow of 6.0 MGD with peaks of 18.0 MGD. Any peaks higher than 18.0 MGD will be pumped to the excess flow pond, where it will be stored until it can be returned to the plant for treatment. Effluent from the SBR flows to an equalization basin, and then to the ultraviolet disinfection facility. Effluent is then either pumped to the reuse system or flows to the discharge point. Sludge from the SBR is transferred to the sludge holding basins and then to the belt filter presses for dewatering. Following dewatering, sludge is hauled to an authorized landfill for disposal.
Final Phase – The existing 6.0 MGD plant will still be utilized and additional treatment capacity will be added at the plant with the following: a third fine screen, a screenings washer compactor, grit removal units, three aerobic granular sludge SBR basins, disk filters for tertiary filtration, two additional parallel UV disinfection channels, two additional sludge storage tanks with mixers/ aerators, fixed sludge conveyor, and a series of movable sludge conveyors. The additional treatment units plus the use of granular activated sludge process will bring the plant capacity to 18 MGD.

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)
Existing 6.0 MGD WWTP		
Fine Screens	2	6 mm perforations, 5’ channel width, 20 MGD capacity per screen
Lift Station	1	N/A
Excess Flow Pond	1	10 million gallons
Stormwater Holding Pond	1	40 million gallons
Septic Receiving Station	1	N/A
Sequencing Batch Reactors	4	108’ x 76’ x 26’
Effluent Equalization Basin	1	108’ x 94’ x 12’
UV Disinfection Channels	2	22’ x 2’ x 4’
Reuse Pump Station	1	N/A
Outfall	1	36”
Sludge Holding Basin	2	75’ diameter x 13’ deep
Belt Filter Press	2	2 meters wide
Sludge Storage Bays	2	2 dumpster capacity
Final 18.0 MGD WWTP		

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Fine Screens	3	6 mm perforations, 5' channel width, 20 MGD capacity per screen
Lift Station	1	N/A
Excess Flow Pond	1	10 million gallons
Stormwater Holding Pond	1	40 million gallons
Septic Receiving Station	1	N/A
Grit Removal System	2	12' diameter, 12 tray headcell unit, basins are 18.7' x 16' x 22.2', 24 MGD capacity for each unit
Grit Classification and Concentration Unit	2	Sized for 12' headcell unit
Sequencing Batch Reactors	4	108' x 76' 26'
Effluent Equalization Basin	1	108' x 94' x 12'
Aerobic Granular Sludge Sequencing Batch Reactors	3	100' x 105' x 26' (sidewall depth)
Filter Basins with Disk Filters	3	15.7' x 10' x 14.2' with 12 filter disks per basin
Filter Basin Effluent Chambers	3	5' x 10' x 10'
UV Disinfection Channels	3	2.4' x 5.1' x 5.8'
Reuse Pump Station	1	N/A
Outfall	1	36"
Sludge Buffer (Thickener) Basin	2	39' x 32' x 19.5'
Sludge Holding Basin	2	75' diameter x 13' deep
Sludge Holding Basin	2	50' x 75' x 21'
Belt Filter Press	2	2 meters wide
Sludge Storage Bays	4	7 dumpster capacity

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 44)

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

- Latitude: 33.120048°
- Longitude: -96.071406°

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 treatment facility serves the City of Greenville and some surrounding properties. The City of Greenville has a Certificated Service Area (Sewer), CCN No. 20472.

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
City of Greenville Sanitary Sewer System	City of Greenville	Publicly Owned	36,300

Section 4. Unbuilt Phases (Instructions Page 45)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☐ Yes ☒ No

If yes, does the existing permit contain a phase that has not been constructed **within five years** of being authorized by the TCEQ?

☐ Yes ☐ No

If yes, provide a detailed discussion regarding the continued need for the unbuilt phase. **Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases**.

N/A

Section 5. Closure Plans (Instructions Page 45)

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.

As part of the construction of the new portion of the WWTP, several existing buildings and treatment units that were previously taken out of service have been or will be removed. Features that have been removed include: an influent metering station, Splitter Box No. 1, Primary Sedimentation Units 2 and 3, Primary Trickling Filters 2 and 3, Splitter Box Pump Station, Secondary Trickling Filter 1 and 2, Grit Collector Comminutors, Aerobic Digestors 1 and 2, and a Sludge Thickener. Features that will be removed include: Primary Pump Station, Equipment Shed, Shop Building, Secondary Pump Station, Primary Sedimentation Unit 1, Primary Trickling Filter 1, Scum Pump Station and Screen, and the Chemical Tanks.
A closure plan was previously submitted and approved in 2012 detailing closure of the features that have been removed. A closure plan for the remaining features to be demolished is planned to be submitted.

Section 6. Permit Specific Requirements (Instructions Page 45)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☐ Yes ☒ No

If yes, provide the date(s) of approval for each phase: Existing Phase: 8/18/2009
Final Phase: Submitted 5/9/2024

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**.

Existing Phase: a summary transmittal was sent to TCEQ on 8/11/2009 and approved on 8/18/2009. See Attachment M for a copy of the approval letter.
Final Phase: Plans and specifications submitted in May 2024 for approval.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

See Attachment H for buffer zone requirement information.

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*.

The City of Greenville is required to provide facilities for the protection of its wastewater treatment facility from a 100-year flood. The existing 6.0 MGD WWTP is and the 18.0 MGD WWTP will be surrounded by a protective levee with a top elevation of 504.0'. FEMA FIRM 48231C0380G, effective 1/6/2012, shows the base flood elevation as 498.0'.

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.

The entire existing phase WWTP is and the final phase WWTP will be surrounded by a perimeter flood protection levee. All runoff on the site is directed to the site drainage pump station that discharges to the influent flow equalization pond. The water in the influent equalization pond flows to the treatment plant headworks and is processed through the treatment facility and thus all site runoff is indirectly discharged via the treatment plant. The City understands indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. The City requests that this activity be included in the discharge permit.

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 **See Attachment N for Sewage Sludge Solids Management Plan**

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.

The City has been accepting sludge at the plant from other WWTPs for over 20 years and is averaging < 20,000 gallons per month. The City does not believe this activity poses any significant impact to a facility this size and that the service is a great benefit to the small treatment works served. The facility monitors influent BOD5 routinely and current loading is well below the existing and final WWTP designs.

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.

The facility has accepted septage for over 40 years at the WWTP. Currently, volume runs about 720,000 gallons per month. The City does not believe this activity poses any significant impact to a facility of this size and that the service is a great benefit to the county. The facility monitors the plant influent BOD5 routinely and current loading is about 65% of the existing WWTP design.

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 50)

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	3.75	3.82	2	Composite	7/19/24 12:00pm
Total Suspended Solids, mg/l	7.40	7.60	2	Composite	7/22/24 11:00am
Ammonia Nitrogen, mg/l	2.68	2.68	1	Composite	7/22/24 10:00am
Nitrate Nitrogen, mg/l	3.05	3.05	1	Composite	2/27/24 7:00am
Total Kjeldahl Nitrogen, mg/l	13.3	13.3	1	Composite	8/28/24 6:48am
Sulfate, mg/l	477	477	1	Composite	8/28/24 6:48am
Chloride, mg/l	400	400	1	Composite	8/28/24 6:48am
Total Phosphorus, mg/l	4.30	4.30	1	Composite	8/28/24 6:48am
pH, standard units	7.31	7.43	1	Grab	7/22/24 6:45am
Dissolved Oxygen*, mg/l	7.29	7.30	2	Grab	7/22/24 6:45am
Chlorine Residual, mg/l	N/A	N/A	N/A	N/A	N/A
E.coli (CFU/100ml) freshwater	1.0	1.0	2	Grab	7/21/24 6:48am
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	458	458	1	Composite	7/12/24 6:53 am
Electrical Conductivity, µmohs/cm, †	N/A	N/A	N/A	N/A	N//A

Oil & Grease, mg/l	2.39	2.39	1	Composite	8/28/24 6:32am
Alkalinity ($CaCO_3$)*, mg/l	84.9	84.9	1	Composite	8/28/24 6:48am

*TPDES permits only
†TLAP permits only

Table1.0(3) – Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	N/A	N/A	N/A	N/A
pH, standard units	N/A	N/A	N/A	N/A	N/A
Fluoride, mg/l	N/A	N/A	N/A	N/A	N/A
Aluminum, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity ($CaCO_3$), mg/l	N/A	N/A	N/A	N/A	N/A

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: William W. Erwin

Facility Operator's License Classification and Level: Wastewater Treatment Operator A

Facility Operator's License Number: WW0012481

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

A. WWTP's 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 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. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all 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	On-Site Owner or Operator	Bulk	See **Attachment N** for Sewage Sludge Solids Management Plan	Choose an item.	Choose an item.

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: Republic Maloy Landfill

TCEQ permit or registration number: 1195B

County where disposal site is located: Hunt

E. Transportation method

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

Name of the hauler: Blackjack Disposal

Hauler registration number: 26206

Sludge is transported as a:

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

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

A. Beneficial use authorization

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

☐ Yes ☒ No

If yes, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

Attachment: N/A

- USDA Natural Resources Conservation Service Soil Map:

  Attachment: N/A

- Federal Emergency Management Map:

  Attachment: N/A

- Site map:

  Attachment: N/A

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

Attachment: N/A

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

N/A

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0.*

Nitrate Nitrogen, mg/kg: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

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

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ 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 55)

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:

The WWTP has a wastewater authorization, R10485002, issued January 7, 2007, to use reclaimed water to irrigate the municipal golf course. The WWTP also has a TCEQ Class A Marketing and Distribution Authorization No. 720029 for sludge from the City's excess flow pond.

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 56)

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: Summer Spurlock

Title: City Manager

Signature: _____

Date: 11/15/2024

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 57)

A. Justification of permit need

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

The City of Greenville has continued to experience steady growth and with the prospect of new residential development and new industrial clients, the City's existing 6.0 MGD is nearing its design capacity. The proposed 18 MGD WWTP is planned to meet the City's wastewater system needs for the 20-year design period.

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: N/A

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 O

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: N/A – unbuilt facility

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 – unbuilt facility

Section 2. Proposed Organic Loading (Instructions Page 59)

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): Existing – 6.0 MGD Proposed – 18.0 MGD

Average Influent Organic Strength or BOD_5 Concentration in mg/l: 244

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34): 7,874

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

Average BOD5 concentration obtained from historical testing at the WWTP.

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	N/A – increase in organic strength is not anticipated.	
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		
AVERAGE BOD_5 from all sources		

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

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: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: minimum of 4.0

Other: Total Copper: report, E.coli: 126 colony forming units or most probable number per 100 ml

B. Interim II Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: N/A

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: N/A

Other: N/A

C. Final Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: minimum of 4.0

Other: Total Copper: report, E.coli: 126 colony forming units or most probable number per 100 ml

D. Disinfection Method

Identify the proposed method of disinfection.

☐ Chlorine: N/A mg/l after N/A minutes detention time at peak flow

Dechlorination process: N/A

☒ Ultraviolet Light: 15 seconds contact time at peak flow

☐ Other: N/A

Section 4. Design Calculations (Instructions Page 59)

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

Attachment: **Attachment P**

Section 5. Facility Site (Instructions Page 60)

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.

The existing 6.0 MGD WWTP is and the 18.0 MGD WWTP will be surrounded by a protective levee with a top elevation of 504.0'. The FEMA FIRM shows the base flood elevation as 498.0'.

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

FEMA FIRM 48231C0380G, effective 1/6/2012

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 Q**

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

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 61)

Attach a solids management plan to the application.

Attachment: Attachment N

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 64)

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 64)

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 64)

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 65)

Name of the immediate receiving waters: Long Branch

A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: N/A

Average depth of the entire water body, in feet: N/A

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

☐ 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: N/A

C. Downstream perennial confluences

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

Long Branch joins Cowleech Fork Sabine River (Segment 0507A).

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

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

Weather during observation was partly cloudy skies, wind from northeast at 6 mph, and 84 degrees F. Flow appeared to be slow moving and the stream was approximately twenty feet wide.

Date and time of observation: 7/25/2024 10:00am

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

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: N/A

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: N/A

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 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 66)

Date of study: 8/10/2007 Time of study: 9:30 am

Stream name: Long Branch

Location: South of Greenville Wastewater Reclamation Center

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 66)

Number of stream bends that are well defined: 0

Number of stream bends that are moderately defined: 0

Number of stream bends that are poorly defined: 0

Number of riffles: 6

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.

Evidence of extreme flow variations during wet weather. It is not uncommon for the channel to overflow the banks, especially on the north side.

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.
Glide	300' downstream	10'	0, 1, 2, 2, 2, 0
Glide	600' downstream	12'	0, 1, 2, 2, 2, 2, 0
Riffle	900' downstream	4'	0, 0.4, 0.5, 0
Run	1,500' downstream	4'	0, 1, 1, 0
Run	2,000' downstream	6'	0, 1, 1, 1, 1, 0
Glide	2,400' downstream	6'	0, 1, 1, 1, 1, 0

Section 3. Summarize Measurements (Instructions Page 66)

Streambed slope of entire reach, from USGS map in feet/feet: 0.0025

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): 8.5

Length of stream evaluated, in feet: 2,400

Number of lateral transects made: 6

Average stream width, in feet: 6

Average stream depth, in feet: 1

Average stream velocity, in feet/second: 2

Instantaneous stream flow, in cubic feet/second: 7.75

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): Based on wastewater treatment plant discharge. Little or no flow above the discharge point.

Size of pools (large, small, moderate, none): Small

Maximum pool depth, in feet: 2

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

The following **is required** for facilities with a permitted or proposed flow of **1.0 MGD or greater**, facilities with an approved **pretreatment** program, or facilities classified as a **major** facility. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

For pollutants identified in Table 4.0(1), indicate the type of sample.

Grab ☐ Composite ☒

Date and time sample(s) collected: 2/27/2024 7:00am and 5/15/2024 7:05am

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<7.80	<7.80	1	50
Aldrin	<0.00113	<0.00113	1	0.01
Aluminum	61.7	61.7	1	2.5
Anthracene	<1.50	<1.50	1	10
Antimony	<1.05	<1.05	1	5
Arsenic	0.713	0.713	1	0.5
Barium	50.3	50.3	1	3
Benzene	<0.496	<0.496	1	10
Benzidine	<4.80	<4.80	1	50
Benzo(a)anthracene	<0.173	<0.173	1	5
Benzo(a)pyrene	<0.364	<0.364	1	5
Bis(2-chloroethyl)ether	<2.16	<2.16	1	10
Bis(2-ethylhexyl)phthalate	<0.277	<0.277	1	10
Bromodichloromethane	<0.696	<0.696	1	10
Bromoform	<1.33	<1.33	1	10
Cadmium	<0.258	<0.258	1	1
Carbon Tetrachloride	<1.26	<1.26	1	2
Carbaryl	<0.185	<0.185	1	5
Chlordane*	<0.103	<0.103	1	0.2
Chlorobenzene	<0.945	<0.945	1	10
Chlorodibromomethane	<1.75	<1.75	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	<1.21	<1.21	1	10
Chlorpyrifos	0.0765	0.0765	1	0.05
Chromium (Total)	1.26	1.26	1	3
Chromium (Tri) **(*1)**	-1.54	-1.54	1	N/A
Chromium (Hex)	<2.80	<2.80	1	3
Copper	3.77	3.77	1	2
Chrysene	<0.222	<0.222	1	5
p-Chloro-m-Cresol	<1.57	<1.57	1	10
4,6-Dinitro-o-Cresol	<1.44	<1.44	1	50
p-Cresol	<2.62	<2.62	1	10
Cyanide **(*2)**	<2.00	<2.00	1	10
4,4'- DDD	<0.000814	<0.000814	1	0.1
4,4'- DDE	<0.00109	<0.00109	1	0.1
4,4'- DDT	<0.00379	<0.00379	1	0.02
2,4-D	<0.0000539	<0.0000539	1	0.7
Demeton (O and S)	<0.0484	<0.0484	1	0.20
Diazinon	<0.0484	<0.0484	1	0.5/0.1
1,2-Dibromoethane	<0.631	<0.631	1	10
m-Dichlorobenzene	<1.44	<1.44	1	10
o-Dichlorobenzene	<1.62	<1.62	1	10
p-Dichlorobenzene	<1.55	<1.55	1	10
3,3'-Dichlorobenzidine	<0.341	<0.341	1	5
1,2-Dichloroethane	<1.53	<1.53	1	10
1,1-Dichloroethylene	<0.575	<0.575	1	10
Dichloromethane	<0.829	<0.829	1	20
1,2-Dichloropropane	<1.55	<1.55	1	10
1,3-Dichloropropene	<1.95	<1.95	1	10
Dicofol	<0.05	<0.05	1	1
Dieldrin	<0.000953	<0.000953	1	0.02
2,4-Dimethylphenol	<0.649	<0.649	1	10
Di-n-Butyl Phthalate	<0.252	<0.252	1	10
Diuron	<0.00514	<0.00514	1	0.09
Endosulfan I (alpha)	<0.00107	<0.00107	1	0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)	<0.00122	<0.00122	1	0.02
Endosulfan Sulfate	<0.00112	<0.00112	1	0.1
Endrin	<0.00156	<0.00156	1	0.02
Ethylbenzene	<0.878	<0.878	1	10
Fluoride	247	247	1	500
Guthion	<0.0484	<0.0484	1	0.1
Heptachlor	<0.00446	<0.00446	1	0.01
Heptachlor Epoxide	<0.00134	<0.00134	1	0.01
Hexachlorobenzene	<0.307	<0.307	1	5
Hexachlorobutadiene	<0.238	<0.238	1	10
Hexachlorocyclohexane (alpha)	<0.00142	<0.00142	1	0.05
Hexachlorocyclohexane (beta)	<0.00389	<0.00389	1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.00299	<0.00299	1	0.05
Hexachlorocyclopentadiene	<4.58	<4.58	1	10
Hexachloroethane	<0.526	<0.526	1	20
Hexachlorophene	<0.808	<0.808	1	10
Lead	0.252	0.252	1	0.5
Malathion	<0.0484	<0.0484	1	0.1
Mercury	0.0447	0.0447	1	0.005
Methoxychlor	<0.0195	<0.0195	1	2
Methyl Ethyl Ketone	<4.53	<4.53	1	50
Mirex	<0.0200	<0.0200	1	0.02
Nickel	2.51	2.51	1	2
Nitrate-Nitrogen	3050	3050	1	100
Nitrobenzene	<1.66	<1.66	1	10
N-Nitrosodiethylamine	<2.02	<2.02	1	20
N-Nitroso-di-n-Butylamine	<1.49	<1.49	1	20
Nonylphenol	<10.0	<10.0	1	333
Parathion (ethyl)	<0.0484	<0.0484	1	0.1
Pentachlorobenzene	<1.07	<1.07	1	20
Pentachlorophenol	<0.234	<0.234	1	5
Phenanthrene	<1.42	<1.42	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) **(*3)**	<0.100	<0.100	1	0.2
Pyridine	<2.64	<2.64	1	20
Selenium	<0.685	<0.685	1	5
Silver	<0.118	<0.118	1	0.5
1,2,4,5-Tetrachlorobenzene	<1.32	<1.32	1	20
1,1,2,2-Tetrachloroethane	<1.71	<1.71	1	10
Tetrachloroethylene	<0.900	<0.900	1	10
Thallium	<0.215	<0.215	1	0.5
Toluene	<1.61	<1.61	1	10
Toxaphene	<0.0769	<0.0769	1	0.3
2,4,5-TP (Silvex)	<0.0422	<0.0422	1	0.3
Tributyltin (see instructions for explanation)	N/A	N/A	N/A	0.01
1,1,1-Trichloroethane	<1.45	<1.45	1	10
1,1,2-Trichloroethane	<0.747	<0.747	1	10
Trichloroethylene	<1.69	<1.69	1	10
2,4,5-Trichlorophenol	<2.00	<2.00	1	50
TTHM (Total Trihalomethanes)	<1.75	<1.75	1	10
Vinyl Chloride	<0.592	<0.592	1	10
Zinc	26.9	26.9	1	5

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable.

(*3) The sum of seven PCB congeners 1242, 1254, 1221, 1232, 1248, 1260, and 1016.

Section 2. Priority Pollutants

For pollutants identified in Tables 4.0(2)A-E, indicate type of sample.

Grab ☐ Composite ☒

Date and time sample(s) collected: 2/27/2024 7:00am and 5/15/2024 7:05am

Table 4.0(2)A – Metals, Cyanide, and Phenols

Pollutant	**AVG Effluent Conc. (µg/l)**	**MAX Effluent Conc. (µg/l)**	**Number of Samples**	**MAL (µg/l)**
Antimony	<1.05	<1.05	1	5
Arsenic	0.713	0.713	1	0.5
Beryllium	<0.148	<0.148	1	0.5
Cadmium	<0.258	<0.258	1	1
Chromium (Total)	1.26	1.26	1	3
Chromium (Hex)	<2.80	<2.80	1	3
Chromium (Tri) **(*1)**	-1.54	-1.54	1	N/A
Copper	3.77	3.77	1	2
Lead	0.252	0.252	1	0.5
Mercury	0.0447	0.0447	1	0.005
Nickel	2.51	2.51	1	2
Selenium	<0.685	<0.685	1	5
Silver	<0.118	<0.118	1	0.5
Thallium	<0.215	<0.215	1	0.5
Zinc	26.9	26.9	1	5
Cyanide **(*2)**	<2.00	<2.00	1	10
Phenols, Total	<5.80	<5.80	1	10

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein	<23.1	<23.1	1	50
Acrylonitrile	<7.80	<7.80	1	50
Benzene	<0.496	<0.496	1	10
Bromoform	<1.33	<1.33	1	10
Carbon Tetrachloride	<1.26	<1.26	1	2
Chlorobenzene	<0.945	<0.945	1	10
Chlorodibromomethane	<1.75	<1.75	1	10
Chloroethane	<1.45	<1.45	1	50
2-Chloroethylvinyl Ether	<1.20	<1.20	1	10
Chloroform	<1.21	<1.21	1	10
Dichlorobromomethane [Bromodichloromethane]	<0.696	<0.696	1	10
1,1-Dichloroethane	<1.03	<1.03	1	10
1,2-Dichloroethane	<1.53	<1.53	1	10
1,1-Dichloroethylene	<0.575	<0.575	1	10
1,2-Dichloropropane	<1.55	<1.55	1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<1.95	<1.95	1	10
1,2-Trans-Dichloroethylene	<0.903	<0.903	1	10
Ethylbenzene	<0.878	<0.878	1	10
Methyl Bromide	<1.88	<1.88	1	50
Methyl Chloride	<0.941	<0.941	1	50
Methylene Chloride	<0.829	<0.829	1	20
1,1,2,2-Tetrachloroethane	<1.71	<1.71	1	10
Tetrachloroethylene	<0.900	<0.900	1	10
Toluene	<1.61	<1.61	1	10
1,1,1-Trichloroethane	<1.45	<1.45	1	10
1,1,2-Trichloroethane	<0.747	<0.747	1	10
Trichloroethylene	<1.69	<1.69	1	10
Vinyl Chloride	<0.592	<0.592	1	10

Table 4.0(2)C – Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol	<0.649	<0.649	1	10
2,4-Dichlorophenol	<0.314	<0.314	1	10
2,4-Dimethylphenol	<0.649	<0.649	1	10
4,6-Dinitro-o-Cresol	<1.44	<1.44	1	50
2,4-Dinitrophenol	<1.61	<1.61	1	50
2-Nitrophenol	<1.67	<1.67	1	20
4-Nitrophenol	<4.91	<4.91	1	50
P-Chloro-m-Cresol	<1.57	<1.57	1	10
Pentalchlorophenol	<0.234	<0.234	1	5
Phenol	<0.423	<0.423	1	10
2,4,6-Trichlorophenol	<1.42	<1.42	1	10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene	<1.39	<1.39	1	10
Acenaphthylene	<1.41	<1.41	1	10
Anthracene	<1.50	<1.50	1	10
Benzidine	<4.80	<4.80	1	50
Benzo(a)Anthracene	<0.173	<0.173	1	5
Benzo(a)Pyrene	<0.364	<0.364	1	5
3,4-Benzofluoranthene	<2.04	<2.04	1	10
Benzo(ghi)Perylene	<2.68	<2.68	1	20
Benzo(k)Fluoranthene	<0.375	<0.375	1	5
Bis(2-Chloroethoxy)Methane	<1.76	<1.76	1	10
Bis(2-Chloroethyl)Ether	<2.16	<2.16	1	10
Bis(2-Chloroisopropyl)Ether	<1.79	<1.79	1	10
Bis(2-Ethylhexyl)Phthalate	<0.277	<0.277	1	10
4-Bromophenyl Phenyl Ether	<0.256	<0.256	1	10
Butyl benzyl Phthalate	<0.337	<0.337	1	10
2-Chloronaphthalene	<0.462	<0.462	1	10
4-Chlorophenyl phenyl ether	<1.28	<1.28	1	10
Chrysene	<0.222	<0.222	1	5
Dibenzo(a,h)Anthracene	<0.246	<0.246	1	5
1,2-(o)Dichlorobenzene	<1.62	<1.62	1	10
1,3-(m)Dichlorobenzene	<1.44	<1.44	1	10
1,4-(p)Dichlorobenzene	<1.55	<1.55	1	10
3,3-Dichlorobenzidine	<0.341	<0.341	1	5
Diethyl Phthalate	<1.59	<1.59	1	10
Dimethyl Phthalate	<0.299	<0.299	1	10
Di-n-Butyl Phthalate	<0.252	<0.252	1	10
2,4-Dinitrotoluene	<1.31	<1.31	1	10
2,6-Dinitrotoluene	<1.61	<1.61	1	10
Di-n-Octyl Phthalate	<0.373	<0.373	1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<1.50	<1.50	1	20
Fluoranthene	<1.59	<1.59	1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<1.63	<1.63	1	10
Hexachlorobenzene	<0.307	<0.307	1	5
Hexachlorobutadiene	<0.238	<0.238	1	10
Hexachlorocyclo-pentadiene	<4.58	<4.58	1	10
Hexachloroethane	<0.526	<0.526	1	20
Indeno(1,2,3-cd)pyrene	<2.29	<2.29	1	5
Isophorone	<1.64	<1.64	1	10
Naphthalene	<0.542	<0.542	1	10
Nitrobenzene	<1.66	<1.66	1	10
N-Nitrosodimethylamine	<2.02	<2.02	1	50
N-Nitrosodi-n-Propylamine	<2.88	<2.88	1	20
N-Nitrosodiphenylamine	<1.81	<1.81	1	20
Phenanthrene	<1.42	<1.42	1	10
Pyrene	<0.178	<0.178	1	10
1,2,4-Trichlorobenzene	<1.61	<1.61	1	10

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin	<0.00113	<0.00113	1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.00142	<0.00142	1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.00389	<0.00389	1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.00299	<0.00299	1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.00245	<0.00245	1	0.05
Chlordane	<0.103	<0.103	1	0.2
4,4-DDT	<0.00379	<0.00379	1	0.02
4,4-DDE	<0.00109	<0.00109	1	0.1
4,4,-DDD	<0.000814	<0.000814	1	0.1
Dieldrin	<0.000953	<0.000953	1	0.02
Endosulfan I (alpha)	<0.00107	<0.00107	1	0.01
Endosulfan II (beta)	<0.00122	<0.00122	1	0.02
Endosulfan Sulfate	<0.00112	<0.00112	1	0.1
Endrin	<0.00156	<0.00156	1	0.02
Endrin Aldehyde	<0.00118	<0.00118	1	0.1
Heptachlor	<0.00446	<0.00446	1	0.01
Heptachlor Epoxide	<0.00134	<0.00134	1	0.01
PCB-1242	<0.0125	<0.0125	1	0.2
PCB-1254	<0.00780	<0.00780	1	0.2
PCB-1221	<0.0125	<0.0125	1	0.2
PCB-1232	<0.0125	<0.0125	1	0.2
PCB-1248	<0.0125	<0.0125	1	0.2
PCB-1260	<0.00780	<0.00780	1	0.2
PCB-1016	<0.0125	<0.0125	1	0.2
Toxaphene	<0.0769	<0.0769	1	0.3

* For PCBS, if all are non-detects, enter the highest non-detect preceded by a “<”.

Section 3. Dioxin/Furan Compounds

A. Indicate which of the following compounds from may be present in the influent from a contributing industrial user or significant industrial user. Check all that apply.

☐ 2,4,5-trichlorophenoxy acetic acid

Common Name 2,4,5-T, CASRN 93-76-5

☐ 2-(2,4,5-trichlorophenoxy) propanoic acid

Common Name Silvex or 2,4,5-TP, CASRN 93-72-1

☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate

Common Name Erbon, CASRN 136-25-4

☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate

Common Name Ronnel, CASRN 299-84-3

☐ 2,4,5-trichlorophenol

Common Name TCP, CASRN 95-95-4

☐ hexachlorophene

Common Name HCP, CASRN 70-30-4

For each compound identified, provide a brief description of the conditions of its/their presence at the facility.

N/A

B. Do you know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin (TCDD) or any congeners of TCDD may be present in your effluent?

☐ Yes ☒ No

If **yes**, provide a brief description of the conditions for its presence.

N/A

C. If any of the compounds in Subsection A **or** B are present, complete Table 4.0(2)F.

For pollutants identified in Table 4.0(2)F, indicate the type of sample.

Grab ☐ Composite ☐

Date and time sample(s) collected: N/A

Table 4.0(2)F – Dioxin/Furan Compounds

Compound	Toxic Equivalency Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
2,3,7,8 TCDD	1	N/A	N/A	N/A	N/A	10
1,2,3,7,8 PeCDD	0.5	N/A	N/A	N/A	N/A	50
2,3,7,8 HxCDDs	0.1	N/A	N/A	N/A	N/A	50
1,2,3,4,6,7,8 HpCDD	0.01	N/A	N/A	N/A	N/A	50
2,3,7,8 TCDF	0.1	N/A	N/A	N/A	N/A	10
1,2,3,7,8 PeCDF	0.05	N/A	N/A	N/A	N/A	50
2,3,4,7,8 PeCDF	0.5	N/A	N/A	N/A	N/A	50
2,3,7,8 HxCDFs	0.1	N/A	N/A	N/A	N/A	50
2,3,4,7,8 HpCDFs	0.01	N/A	N/A	N/A	N/A	50
OCDD	0.0003	N/A	N/A	N/A	N/A	100
OCDF	0.0003	N/A	N/A	N/A	N/A	100
PCB 77	0.0001	N/A	N/A	N/A	N/A	0.5
PCB 81	0.0003	N/A	N/A	N/A	N/A	0.5
PCB 126	0.1	N/A	N/A	N/A	N/A	0.5
PCB 169	0.03	N/A	N/A	N/A	N/A	0.5
Total		N/A	N/A	N/A	N/A	

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

The following **is required** for facilities with a current operating design flow of**1.0 MGD or greater**, with an EPA-approved **pretreatment** program (or those required to have one under 40 CFR Part 403), or are required to perform Whole Effluent Toxicity testing. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

Indicate the number of 7-day chronic or 48-hour acute Whole Effluent Toxicity (WET) tests performed in the four and one-half years prior to submission of the application.

7-day Chronic: 0

48-hour Acute: 44

Section 2. Toxicity Reduction Evaluations (TREs)

Has this facility completed a TRE in the past four and a half years? Or is the facility currently performing a TRE?

☐ Yes ☒ No

If yes, describe the progress to date, if applicable, in identifying and confirming the toxicant.

N/A

Section 3. Summary of WET Tests

If the required biomonitoring test information has not been previously submitted via both the Discharge Monitoring Reports (DMRs) and the Table 1 (as found in the permit), provide a summary of the testing results for all valid and invalid tests performed over the past four and one-half years. Make additional copies of this table as needed.

Table 5.0(1) Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
2/6/2019	Daphnia pulex, 24-hour	100	N/A
2/6/2019	Pimephales promelas, 24-hour	100	N/A
2/6/2019	Daphnia pulex, 48-hour	100	N/A
2/6/2019	Pimephales promelas, 48-hour	100	N/A
4/10/2019	Daphna pulex, 48-hour	100	N/A
4/10/2019	Pimephales promelas, 48-hour	100	N/A
8/7/2019	Daphnia pulex, 24-hour	100	N/A
8/7/2019	Pimephales promelas, 24-hour	100	N/A
8/7/2019	Daphnia pulex, 48-hour	100	N/A
8/7/2019	Pimephales promelas, 48-hour	100	N/A
10/16/2019	Daphnia pulex, 48-hour	100	N/A
10/16/2019	Pimephales promelas, 48-hour	100	N/A
2/12/2020	Daphnia pulex, 24-hour	100	N/A
2/12/2020	Pimephales promelas, 24-hour	100	N/A
2/12/2020	Daphnia pulex, 48-hour	100	N/A
2/12/2020	Pimephales promelas, 48-hour	100	N/A
4/15/2020	Daphnia pulex, 48-hour	100	N/A
4/15/2020	Pimephales promelas, 48-hour	100	N/A
7/29/2020	Daphnia pulex, 24-hour	100	N/A
7/29/2020	Pimephales promelas, 24-hour	100	N/A
7/29/2020	Daphnia pulex, 48-hour	100	N/A
7/29/2020	Pimephales promelas, 48-hour	100	N/A
11/11/2020	Daphnia pulex, 48-hour	100	N/A
11/11/2020	Pimephales promelas, 48-hour	100	N/A
2/24/2021	Daphnia pulex, 24-hour	100	N/A
2/24/2021	Pimephales promelas, 24-hour	100	N/A
2/24/2021	Daphnia pulex, 48-hour	100	N/A
2/24/2021	Pimephales promelas, 48-hour	100	N/A
4/28/2021	Daphnia pulex, 48-hour	100	N/A

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
4/28/2021	Pimephales promelas, 48-hour	100	N/A
8/4/2021	Daphnia pulex, 24-hour	100	N/A
8/4/2021	Pimephales promelas, 24-hour	100	N/A
8/4/2021	Daphnia pulex, 48-hour	100	N/A
8/4/2021	Pimephales promelas, 48-hour	100	N/A
12/8/2021	Daphnia pulex, 48-hour	100	N/A
12/8/2021	Pimephales promelas, 48-hour	100	N/A
3/2/2022	Daphnia pulex, 24-hour	100	N/A
3/2/2022	Pimephales promelas, 24-hour	100	N/A
3/2/2022	Daphnia pulex, 48-hour	100	N/A
3/2/2022	Pimephales promelas, 48-hour	100	N/A
4/27/2022	Daphnia pulex, 48-hour	100	N/A
4/27/2022	Pimephales promelas, 48-hour	100	N/A
8/3/2022	Daphnia pulex, 24-hour	100	N/A
8/3/2022	Pimephales promelas, 24-hour	100	N/A
8/3/2022	Daphnia pulex, 48-hour	100	N/A
8/3/2022	Pimephales promelas, 48-hour	100	N/A
12/8/2022	Daphnia pulex, 48-hour	100	N/A
12/8/2022	Pimephales promelas, 48-hour	100	N/A
3/1/2023	Daphnia pulex, 24-hour	100	N/A
3/1/2023	Pimephales promelas, 24-hour	100	N/A
3/1/2023	Daphnia pulex, 48-hour	100	N/A
3/1/2023	Pimephales promelas, 48-hour	100	N/A
5/3/2023	Daphnia pulex, 48-hour	100	N/A
5/3/2023	Pimephales promelas, 48-hour	100	N/A
8/2/2023	Daphnia pulex, 24-hour	100	N/A
8/2/2023	Pimephales promelas, 24-hour	100	N/A
8/2/2023	Daphnia pulex, 48-hour	100	N/A
8/2/2023	Pimephales promelas, 48-hour	100	N/A
11/29/2023	Daphnia pulex, 48-hour	100	N/A
11/29/2023	Pimephales promelas, 48-hour	100	N/A
1/24/2024	Daphnia pulex, 24-hour	100	N/A
1/24/2024	Pimephales promelas, 24-hour	100	N/A
1/24/2024	Daphnia pulex, 48-hour	100	N/A

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal
1/24/2024	Pimephales promelas, 48-hour	100	N/A
5/22/2024	Daphnia pulex, 48-hour	100	N/A
5/22/2024	Pimephales promelas, 48-hour	100	N/A

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following **is required** for **all publicly owned treatment works**.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 1

Average Daily Flows, in MGD: 0.129

Significant IUs – non-categorical:

Number of IUs: 2

Average Daily Flows, in MGD: 0.0135

Other IUs:

Number of IUs: 185 minor IUs

Average Daily Flows, in MGD: N/A

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☒ Yes ☐ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☒ Yes ☐ No

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

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

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 90)

A. Substantial modifications

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

☐ Yes ☒ No

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

N/A

B. Non-substantial modifications

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

☐ Yes ☒ No

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

N/A

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date
See Attachment R				

D. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 90)

A. General information

Company Name: N/A

SIC Code: N/A

Contact name: N/A

Address: N/A

City, State, and Zip Code: N/A

Telephone number: N/A

Email address: N/A

B. Process information

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

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the *i*nstructions?

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Category: Subcategories: N/A

Click or tap here to enter text. N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

Category: N/A

Subcategories: N/A

F. Industrial user interruptions

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

☐ Yes ☐ No

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

N/A

Attachment A

Core Data Form

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

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 600241525		**RN 102074770**

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	12/4/2024

☐ 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:*
City of Greenville	

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

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

12. Number of Employees	**13. Independently Owned and Operated?**
☐ 0-20 ☐ 21-100 ☐ 101-250 ☒ 251-500 ☐ 501 and higher	☒ **Yes** ☐ **No**

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

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

15. Mailing Address:								
	City of Greenville							
	P.O. Box 1049							
	City	Greenville	**State**	TX	**ZIP**	75403	**ZIP + 4**	1049

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	berwin@ci.greenville.tx.us

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

(903) 247-2995		( ) -

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.)*

Greenville Wastewater Reclamation Center

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	100 Division Street							
	City	Greenville	**State**	TX	**ZIP**	75401	**ZIP + 4**	
24. County	Hunt							

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

25. Description to Physical Location:	Located 1.46 miles ENE of the intersection of US Highway 69 and Interstate Highway 30.				
26. Nearest City			**State**	**Nearest ZIP Code**	
Greenville			TX	75401	

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:	33.1211085		**28. Longitude (W) In Decimal:**	-96.074726	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
33	7	15.99	-96.	4	29.01

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:	**P.O. Box 1049**							
	City	**Greenville**	**State**	**TX**	**ZIP**	**75403**	**ZIP + 4**	**1049**
35. E-Mail Address:	**berwin@ci.greenville.tx.us**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(903) 247-2995		( ) -

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:
	WQ10485002			

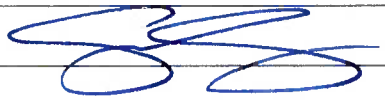
SECTION IV: Preparer Information

40. Name:	Tara Ducrest	41. Title:	Environmental Scientist (Hanson)

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(361) 414-6487		( ) -	tducrest@hanson-inc.com

SECTION V: Authorized Signature

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

Company:	City of Greenville	Job Title:	City Manager
Name *(In Print)*:	Summer Spurlock	Phone:	(903) 457- 3100
Signature:		Date:	11/15/2024

Attachment B

Plain Language Summary

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary 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 as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. Applicants may modify the template as necessary to accurately describe their 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 the applicant 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.

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.

The City of Greenville (CN600241525) operates the Greenville Wastewater Reclamation Center (RN102074770), an activated sludge process plant that utilizes Sequencing Batch Reactors (SBRs). The facility is located at 100 Division Street, in Greenville, Hunt County, Texas 75401. This application is for a permit amendment to expand the Greenville Wastewater Reclamation Center from 6 million gallons per day (MGD) to 18 MGD by adding a similar SBR type process and utilizing a granular activated sludge process. The expansion will be within the footprint of the existing plant and discharge of treated wastewater will continue to be from Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH3-N), total copper, 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 that utilizes sequencing batch reactors and treatment units include fine screens, sequencing batch reactors, an effluent equalization basin, UV disinfection channels, an excess flow pond (if necessary), sludge holding basins, and a belt filter press for the existing 6.0 MGD phase. For the final 18.0 MGD phase, wastewater will be treated by an activated sludge process utilizing sequencing batch reactors and a granular activated sludge process and treatment units will include fine screens, a grit removal system, sequencing batch reactors, granular activated sludge basins, effluent equalization basins, disk filters, UV disinfection channels, an excess flow pond (if necessary), sludge holding basins, a belt filter press, and sludge cake management conveyors.

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.

La ciudad de Greenville (CN600241525) opera el Centro de Recuperación de Aguas Residuales de Greenville (RN102074770), una planta de procesamiento de lodos activados que utiliza reactores discontinuos de secuenciación (SBR). La instalación está ubicada en 100 Division Street, en Greenville, Condado de Hunt, Texas 75401. Esta solicitud es para una enmienda de permiso para expandir el Centro de Recuperación de Aguas Residuales de Greenville de 6 millones de galones por día (MGD) a 18 MGD mediante la adición de un proceso similar de tipo SBR y la utilización de un proceso de lodo activado granular. La expansión estará dentro de la huella de la planta existente y la descarga de aguas residuales tratadas continuará siendo desde el emisario 001.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N), cobre total y Escherichia coli. Los contaminantes potenciales adicionales se incluyen en el Informe Técnico Doméstico 1.0, Sección 7 Análisis de Contaminantes de Efluentes Tratados y la Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permiso. Las aguas residuales domésticas es tratado por mediante un proceso de lodo activado que utiliza reactores discontinuos de secuenciación y las unidades de tratamiento incluyen cribas finas, reactores discontinuos de secuenciación, una cuenca de ecualización de efluentes, canales de desinfección UV, un estanque de exceso de flujo (si es necesario), cuencas de retención de lodos y un filtro prensa de banda para la fase 6.0 MGD existente. Para la fase final de 18.0 MGD, las aguas residuales serán tratadas mediante un proceso de lodos activados utilizando reactores discontinuos de secuenciación y un proceso de lodos activados granulares y las unidades de tratamiento incluirán cribas finas, un sistema de eliminación de arena, reactores discontinuos de secuenciación, cuencas de lodos activados granulares, cuencas de ecualización de efluentes, filtros de disco, canales de desinfección UV, un estanque de exceso de flujo (si es necesario), cuencas de retención de lodos, un filtro prensa de banda y transportadores de manejo de tortas de lodos.

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

Individual Industrial Wastewater 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 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.

Attachment C

Public Involvement Plan Form

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.

Previous permit amendments and renewals have not generated significant public interest.

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.

N/A

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.

N/A

(City)

N/A

(County)

N/A

(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

N/A

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

N/A

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

N/A

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

N/A

(e) Languages commonly spoken in area by percentage

N/A

(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

Attachment D

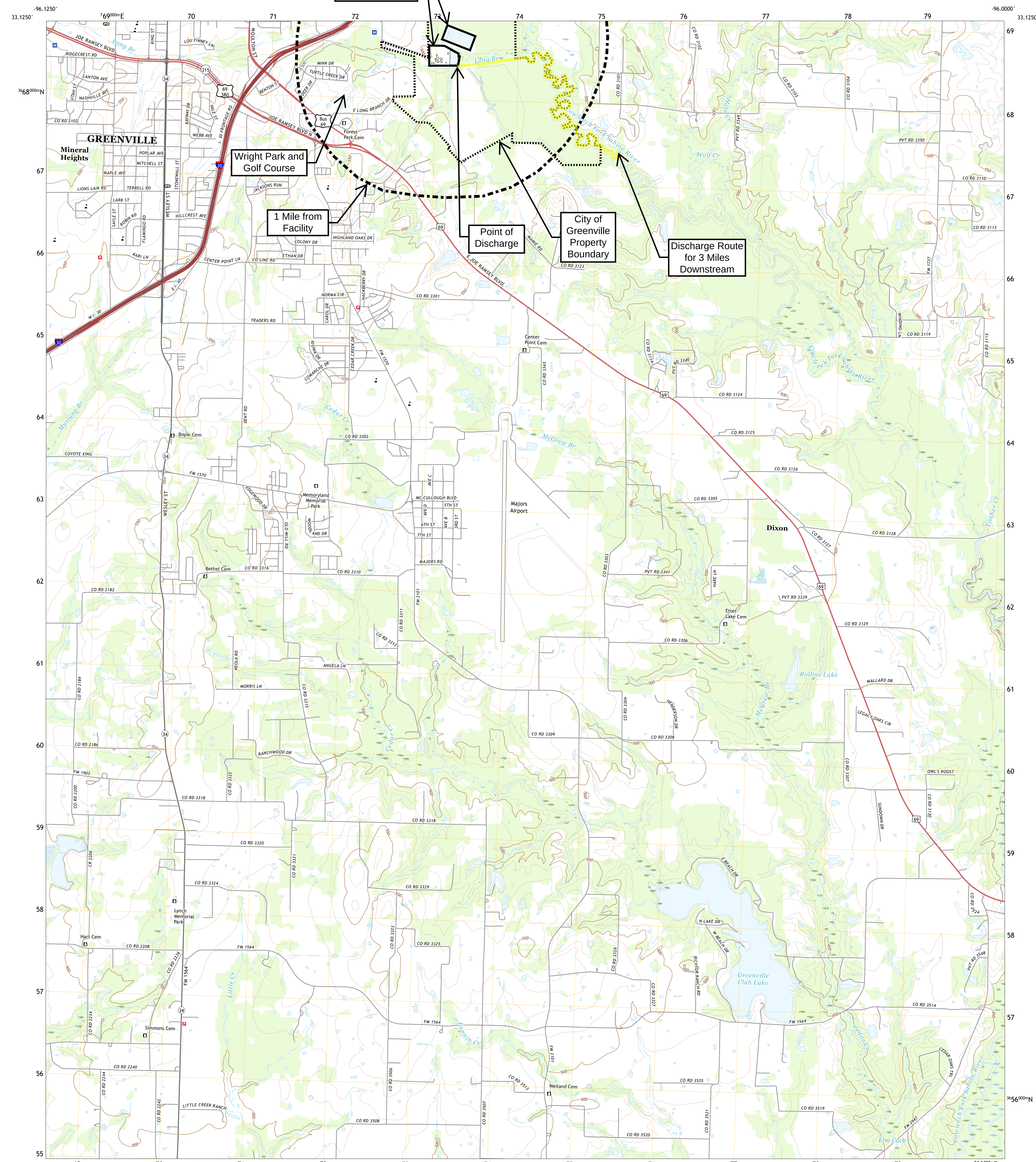
Topographic Map

USGS science for a changing world

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

The National Map US Topo

GREENVILLE SE QUADRANGLE
TEXAS - HUNT COUNTY
7.5-MINUTE SERIES



Attachment D
USGS Topographic Map - South
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

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, 2003 - 2018
Contours....National Elevation Dataset, 2018
Boundaries....Multiple sources; see metadata file 2019 - 2021
Wetlands....FWS National Wetlands Inventory Not Available

MN GN 1°36′ 28 MILS 2°43′ 48 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
QB TS
96°W
Grid Zone Designation
14S 15S
96°W

SCALE 1:24 000

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

TEXAS
QUADRANGLE LOCATION

ADJOINING QUADRANGLES
1 Greenville NW
2 Greenville NE
3 Commerce South
4 Greenville SW
5 Lone Oak North
6 Quinlan
7 West Tawakoni
8 Lone Oak South

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

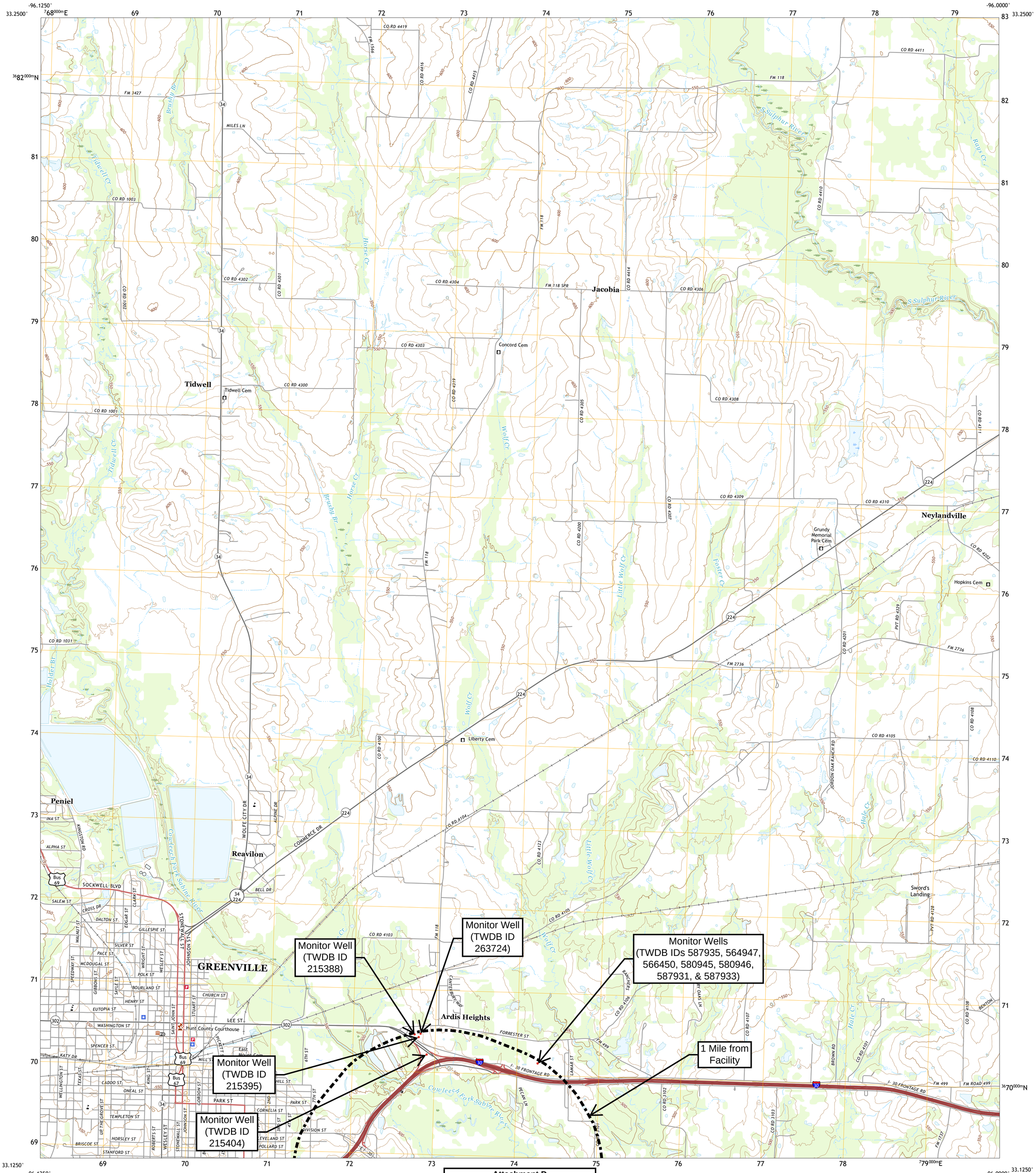
GREENVILLE SE, TX
2022

NSN. 7643016396378
NGA REF NO. USGSX24K18467

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

The National Map US Topo

GREENVILLE NE QUADRANGLE
TEXAS - HUNT COUNTY
7.5-MINUTE SERIES



Attachment D
USGS Topographic Map - North
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

SCALE 1:24 000

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
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Contours.....National Elevation Dataset, 2019
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 1°37' 29 MILS GN 2°43' 48 MILS

U.S. National Grid
100,000 - m Square ID: QB TS
96°W
Grid Zone Designation: 14S 15S
96°W

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 Celeste
2 Wolfe City
3 Commerce North
4 Greenville NW
5 Commerce South
6 Greenville SW
7 Greenville SE
8 Lone Oak North
ADJOINING QUADRANGLES

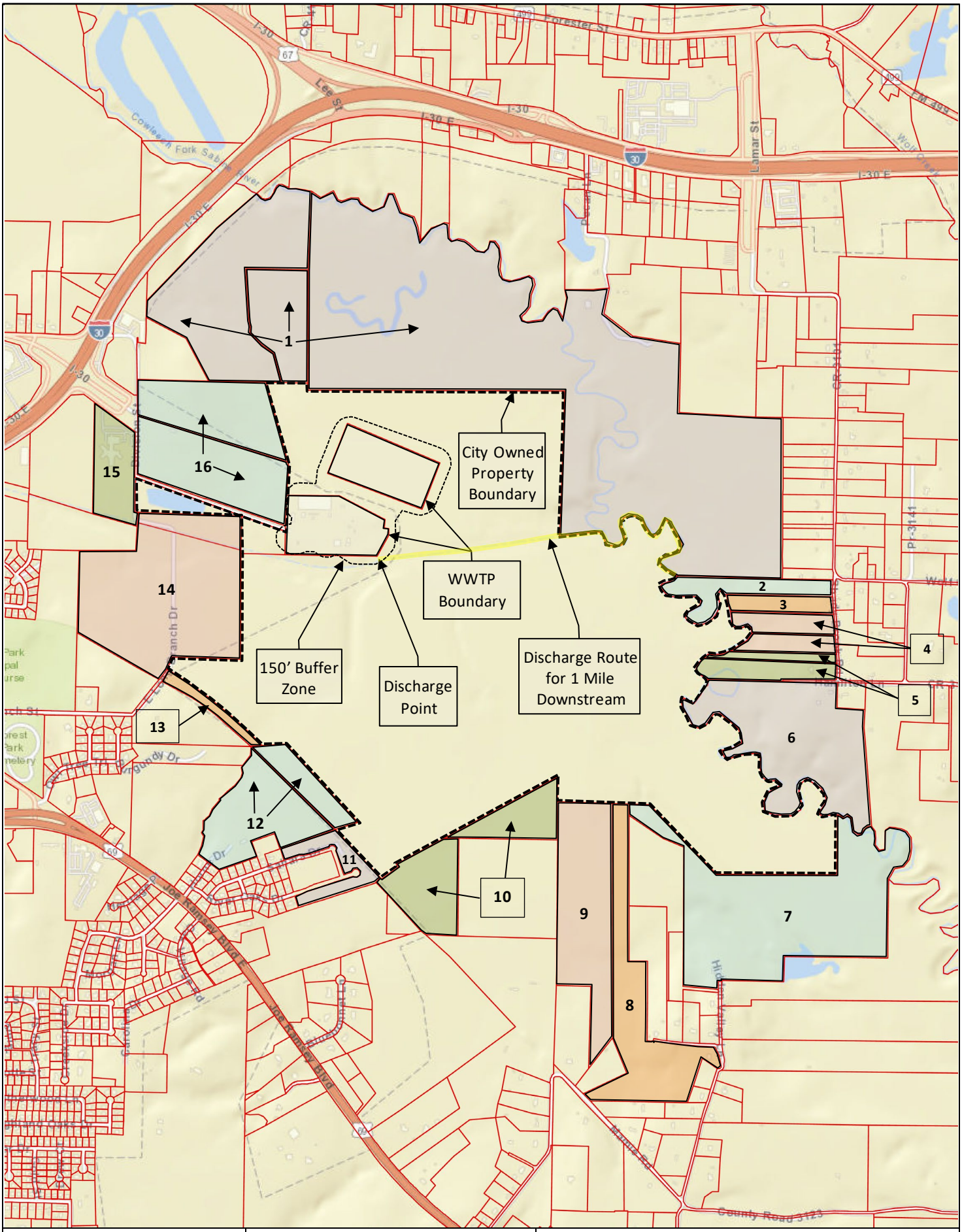
ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

GREENVILLE NE, TX
2022

NSN 7643016396375
NGA REF NO. USGSX24K70254

Attachment E

Landowner Map, List, and Labels



HANSON

Note: Property Boundaries Shown are Approximate.

Drawn. By:	TLD	Scale:	As Shown
Project Number:	22L0081B	Date:	6/26/24

Attachment E
Landowner Map
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

Attachment E
Landowner Contact Information and Map Cross Reference
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

Ownership Map Cross Reference	Adjacent Landowners
1	NICHOLAS R AND CARLA R MARTIN 4098 CR 4400 COMMERCE TX 75428
2	ABEL AND BONIFACIA GONZALEZ 2201 I-30 E GREENVILLE TX 75401
3	GREG AND TERI TREECE 1119 SAVANNAH DRIVE NEVADA TX 75173
4	VICTOR M PAUL 794 SHADY BROOK ROAD GREENVILLE TX 75402
5	JAMES AND CAROLYN JOHNSON 1624 HAMILTON LANE GREENVILLE TX 75402
6	ANDREW LAWSON III TRUST 2705 FIRESIDE LANE DENTON TX 76201
7	JOE N PETERS PO BOX 9327 GREENVILLE TX 75404
8	SCOTT D AND TINA M HILL 94 STONE CREEK CIRCLE SAINT JOHNS FL 32259
9	SCOTT D HILL 94 STONE CREEK CIRCLE SAINT JOHNS FL 32259
10	BOBBIE L DAY 6305 JOE RAMSEY BOULEVARD GREENVILLE TX 75402
11	HOWARD G BARROW 6011 HORNE ROAD GREENVILLE TX 75402
12	HOWARD AND KAREN JO BARROW 6011 HORNE ROAD GREENVILLE TX 75402
13	M K T RAILROAD UNION PACIFIC RR CO 1400 DOUGLAS ST STOP 1640 PROPERTY DEPT OMAHA NE 68179

Ownership Map Cross Reference	Adjacent Landowners
14	HOWARD L AND JOY L DAVIS 2911 TERRELL ROAD SUITE B GREENVILLE TX 75402
15	UNIVERSAL HEALTH SERVICES 367 SOUTH GULPH ROAD KING OF PRUSSIA PA 19406
16	HUNT COUNTY 2507 LEE STREET GREENVILLE TX 75401

NICHOLAS R AND CARLA R MARTIN
4098 CR 4400
COMMERCE TX 75428

ABEL AND BONIFACIA GONZALEZ
2201 I-30 E
GREENVILLE TX 75401

GREG AND TERI TREECE
1119 SAVANNAH DRIVE
NEVADA TX 75173

VICTOR M PAUL
794 SHADY BROOK ROAD
GREENVILLE TX 75402

JAMES AND CAROLYN JOHNSON
1624 HAMILTON LANE
GREENVILLE TX 75402

ANDREW LAWSON III TRUST
2705 FIRESIDE LANE
DENTON TX 76201

JOE N PETERS
PO BOX 9327
GREENVILLE TX 75404

SCOTT D AND TINA M HILL
94 STONE CREEK CIRCLE
SAINT JOHNS FL 32259

SCOTT D HILL
94 STONE CREEK CIRCLE
SAINT JOHNS FL 32259

BOBBIE L DAY
6305 JOE RAMSEY BOULEVARD
GREENVILLE TX 75402

HOWARD G BARROW
6011 HORNE ROAD
GREENVILLE TX 75402

HOWARD AND KAREN JO BARROW
6011 HORNE ROAD
GREENVILLE TX 75402

M K T RAILROAD
UNION PACIFIC RR CO
1400 DOUGLAS ST STOP 1640 PROPERTY DEPT
OMAHA NE 68179

HOWARD L AND JOY L DAVIS
2911 TERRELL ROAD SUITE B
GREENVILLE TX 75402

UNIVERSAL HEALTH SERVICES
367 SOUTH GULPH ROAD
KING OF PRUSSIA PA 19406

HUNT COUNTY
2507 LEE STREET
GREENVILLE TX 75401

Attachment F

Original Photos and Map

Attachment F
Original Photos
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

1. Photo taken facing east. The east end of the existing old pump station building which will be demolished can be seen. The new SBRs and effluent equalization basin will be constructed in this area. A new grit removal system will be constructed to the south of the tree.

2. Photo taken facing northwest. The east end of the existing sequencing batch reactors (SBRs) and effluent equalization basin can be seen.

3. Photo taken facing northwest. The existing UV disinfection facility can be seen on the right. A new disk filter system will be constructed between the existing SBR/effluent equalization basin and UV disinfection facility.

4. Photo taken facing east. The existing fine screen and primary lift station can be seen. These units will be upgraded and a new bar screen will be installed.

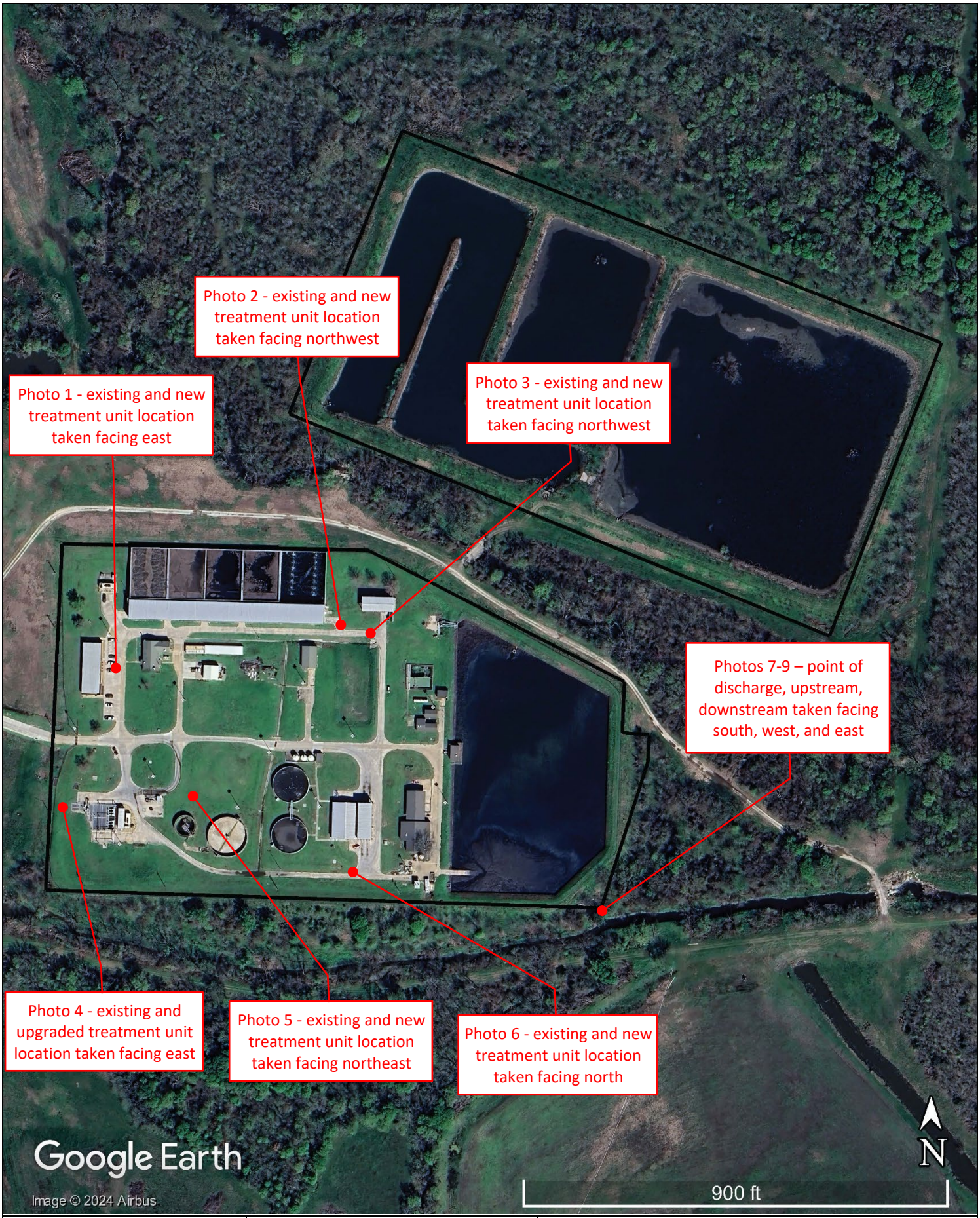
5. Photo taken facing northeast. An existing sludge holding basin can be seen in the distance. The old primary trickling filter which will be demolished can be seen on the right. Two new sludge holding basins will be built in this area.

6. Photo taken facing north. The existing sludge dewatering facility can be seen. Improvements to this unit will be made.

7. Photo taken facing south. The point of discharge, which is used for the existing phase and will be used for the final phase, can be seen.

8. Photo taken facing west. The stream upstream of the point of discharge can be seen.

9. Photo taken facing east. The stream downstream of the point of discharge can be seen.



HANSON

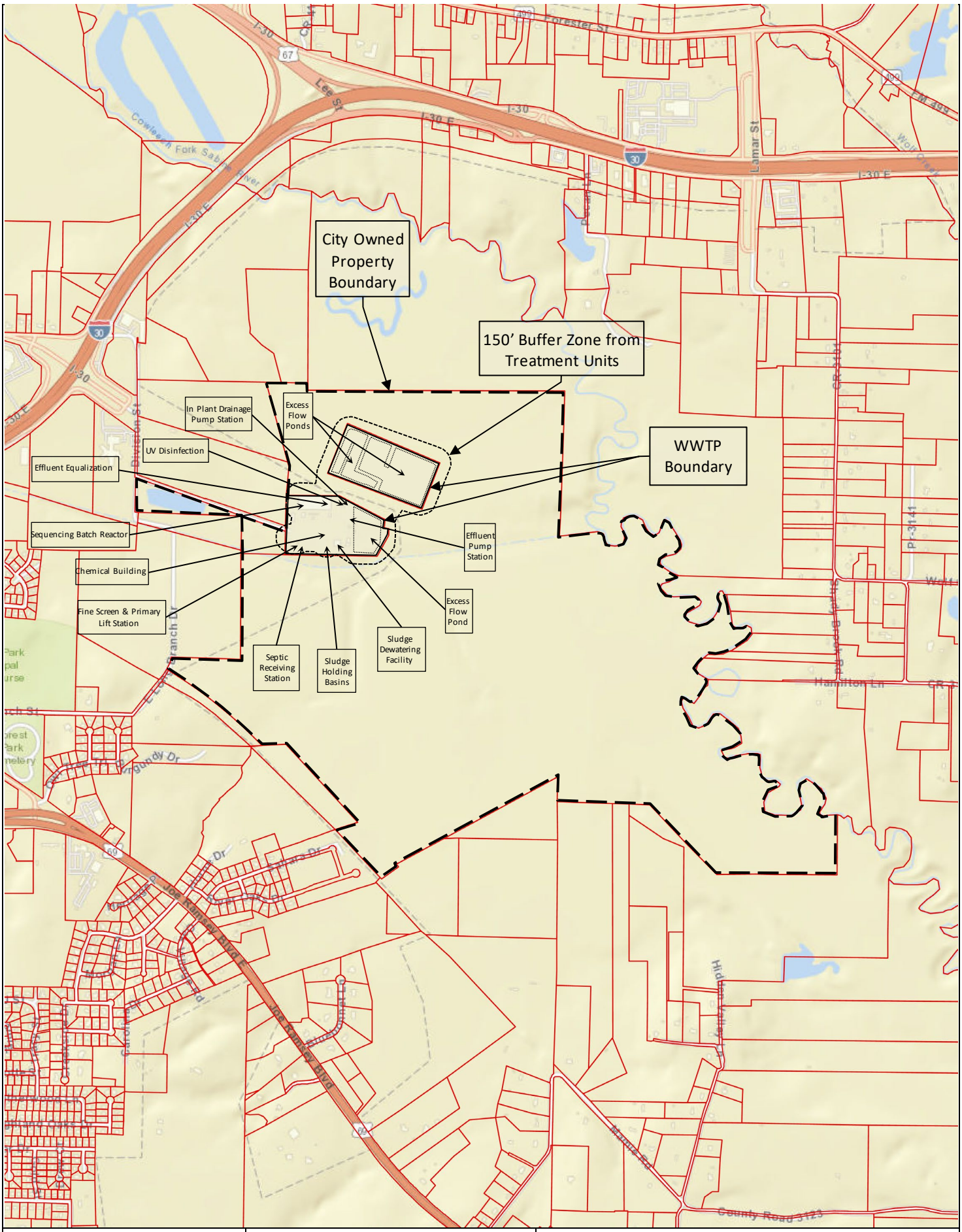
Note: Property Boundaries Shown are Approximate.

Drawn. By:	TLD	**Scale:**	As Shown
Project Number:	22L0081B	**Date:**	8/7/24

Attachment F
Map of Photo Locations
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

Attachment G

Buffer Zone Map

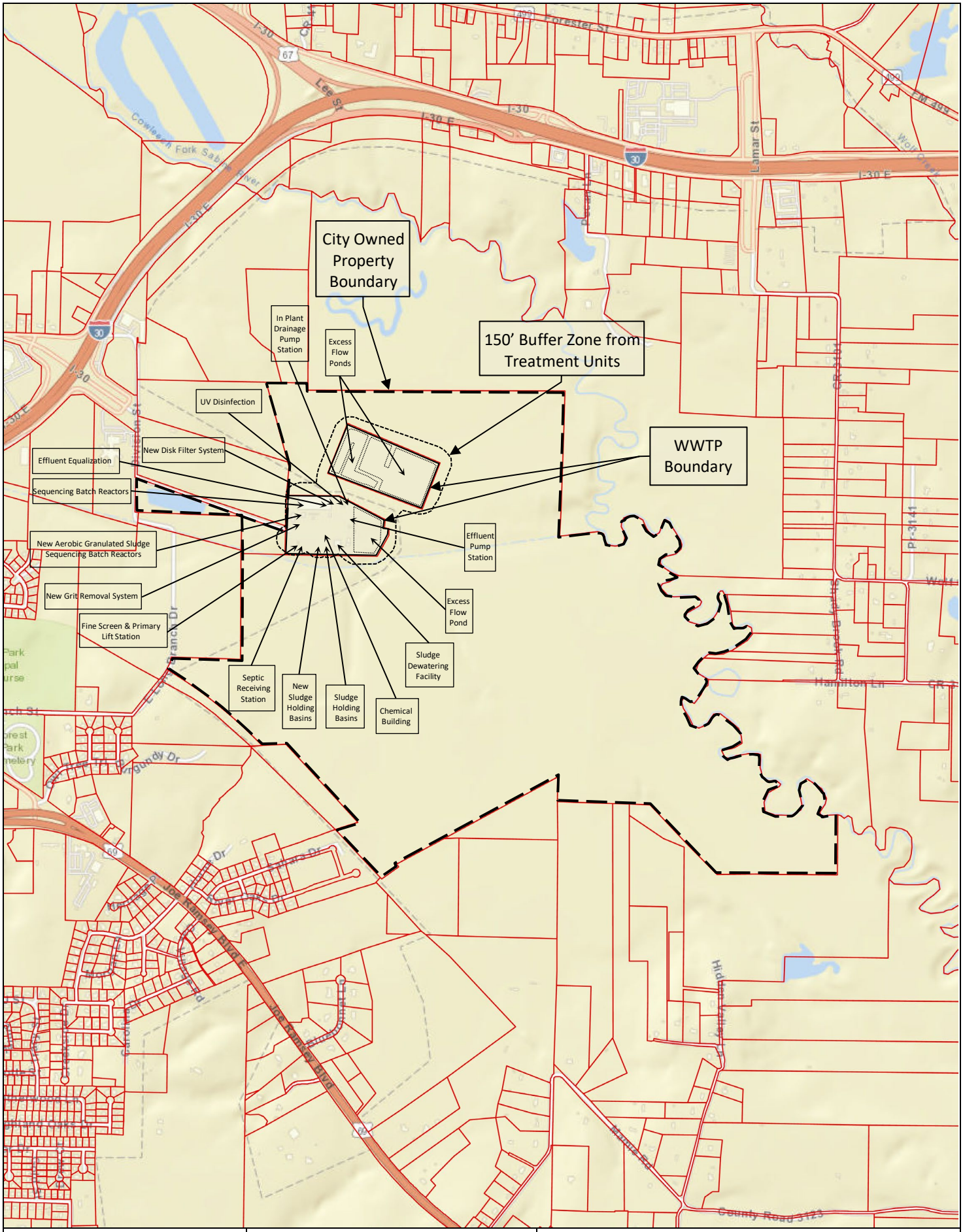


HANSON

Note: Property Boundaries Shown are Approximate.

Drawn. By:	TLD	**Scale:**	As Shown
Project Number:	22L0081B	**Date:**	7/22/24

Attachment G1
Buffer Zone Map – Existing Phase
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas



HANSON

Note: Property Boundaries Shown are Approximate.

Drawn. By:	TLD	**Scale:**	As Shown
Project Number:	22L0081B	**Date:**	10/4/24

Attachment G2
Buffer Zone Map – Final Phase
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

Attachment H

Buffer Zone Requirement Information

Attachment H
Buffer Zone Requirement Information
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

The buffer zone requirements for the existing and the new 18 million gallon per day WWTP are met by ownership on the north, east, and south sides of the WWTP. To the west, the requirements are met mostly by ownership. A small portion of the buffer zone crosses onto Division Road. In addition, a restrictive easement in the form of a Flood Damage Prevention Ordinance would prevent development to the west of the WWTP. The entire buffer zone falls within the FEMA 100-year floodplain and the City of Greenville does not permit development in the floodplain, other than the following uses listed in the Flood Damage Prevention Ordinance, Section §22.07.006:

- Farm or ranch;
- Local utilities, electrical substation, water reservoir or pumping station, and water treatment plant;
- Public park or playground, private recreation club or are, private community center and golf course (private facilities with enclosed walls that would incur damage are not permitted in floodplain areas);
- Parking lots in accordance with City of Greenville Ordinance §22.07.062(3);
- Outside commercial amusement, approved by a specific use permit;
- Helistop, approved by a specific use permit; and
- Radio, television, or microwave tower and amateur communications tower with a special permit.

Attachment I

Supplemental Permit Information Form

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: City of Greenville

   Permit No. WQ00 10485002 EPA ID No. TX 0055611

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

   100 Division Street, Greenville, Hunt County, Texas 75401

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: Bill Erwin

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

Title: WWTP Superintendent

Mailing Address: P.O. Box 1049

City, State, Zip Code: Greenville, TX 75403

Phone No.: (903) 457-2995 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: berwin@ci.greenville.tx.us

2. List the county in which the facility is located: Hunt
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.

To Long Branch, thence to Cowleech Fork Sabine River, thence to Lake Tawakoni in Segment No. 0507 of the Sabine River Basin

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

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):

Approximately 10 acres of land at the City's existing wastewater treatment plant (WWTP) property will be impacted during construction of the WWTP expansion.

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

Existing disturbances include the active WWTP equipment, flow equalization pond, old WWTP equipment (primary pump station, primary trickling filter basin, scum pump station, secondary pump station, chlorine contact chambers, chlorine injection vault, chlorine facility, blower building, dewatered sludge storage structure, and sludge disposal building), equipment shed, and shop building.

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:

Existing 6 million gallon per day (MGD) WWTP – 2012
Proposed 18 MGD WWTP – Estimated construction dates from February 2026 to August 2028.

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

The Greenville Wastewater Reclamation Center was previously a trickling filter plant that was upgraded in 2012 to a sequencing batch reactor (SBR) plant that currently has a permitted capacity of 6 MGD. The plant consists of fine screens, a primary lift station, SBR facility with effluent equalization basin, ultraviolet disinfection, sludge holding and dewatering facility as well as a septage receiving station.

Attachment J

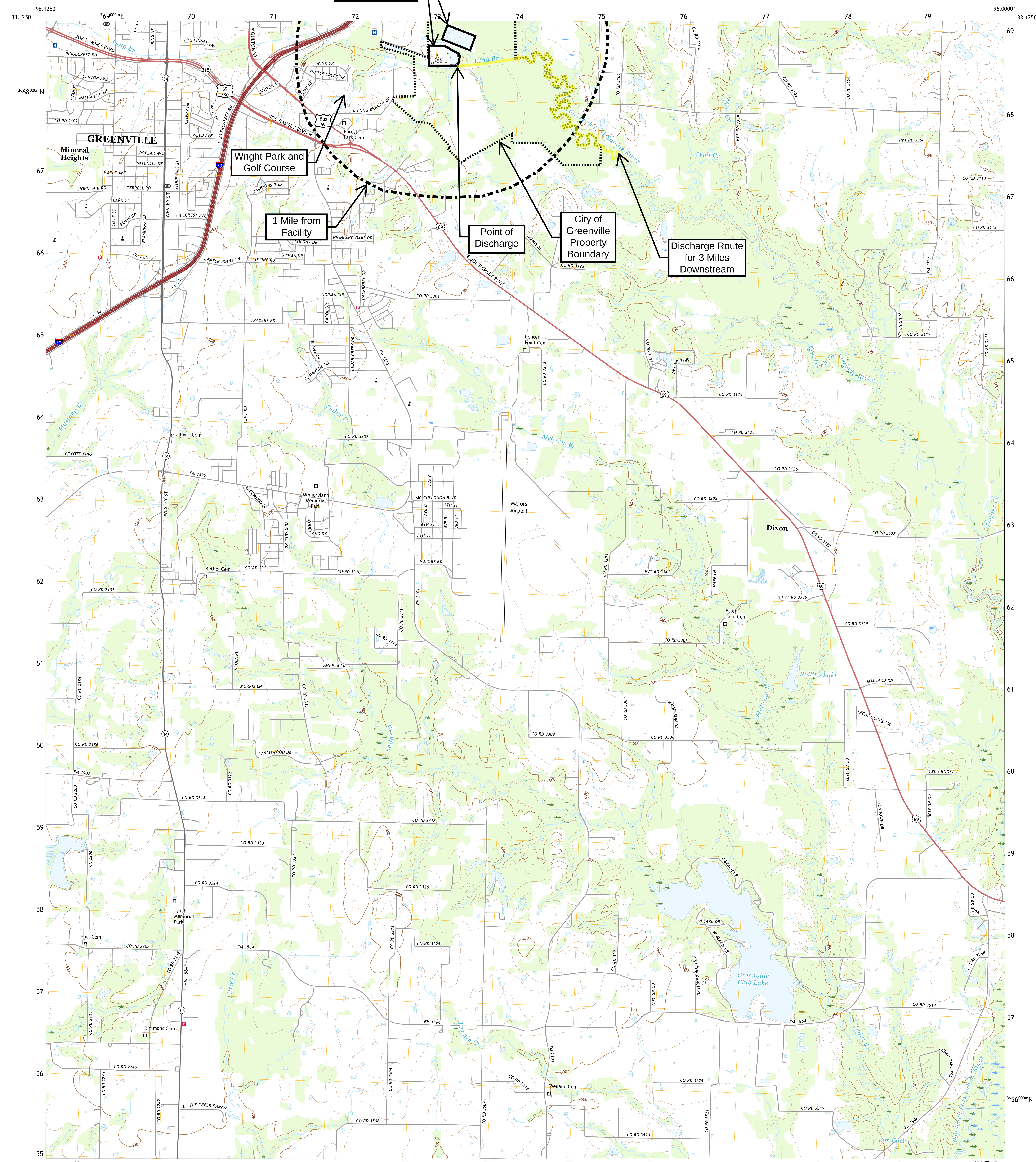
Topographic Map for SPIF

USGS science for a changing world

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

The National Map US Topo

GREENVILLE SE QUADRANGLE
TEXAS - HUNT COUNTY
7.5-MINUTE SERIES



Attachment J
USGS Topographic Map - South
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

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, 2003 - 2018
Contours....National Elevation Dataset, 2018
Boundaries....Multiple sources; see metadata file 2019 - 2021
Wetlands....FWS National Wetlands Inventory Not Available

MN
GN
1°36´ 28 MILS
2°43´ 48 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
QB | TS
96°W
Grid Zone Designation
14S | 15S
96°W

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

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

TEXAS
QUADRANGLE LOCATION

ADJOINING QUADRANGLES
1 Greenville NW
2 Greenville NE
3 Commerce South
4 Greenville SW
5 Lone Oak North
6 Quinlan
7 West Tawakoni
8 Lone Oak South

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

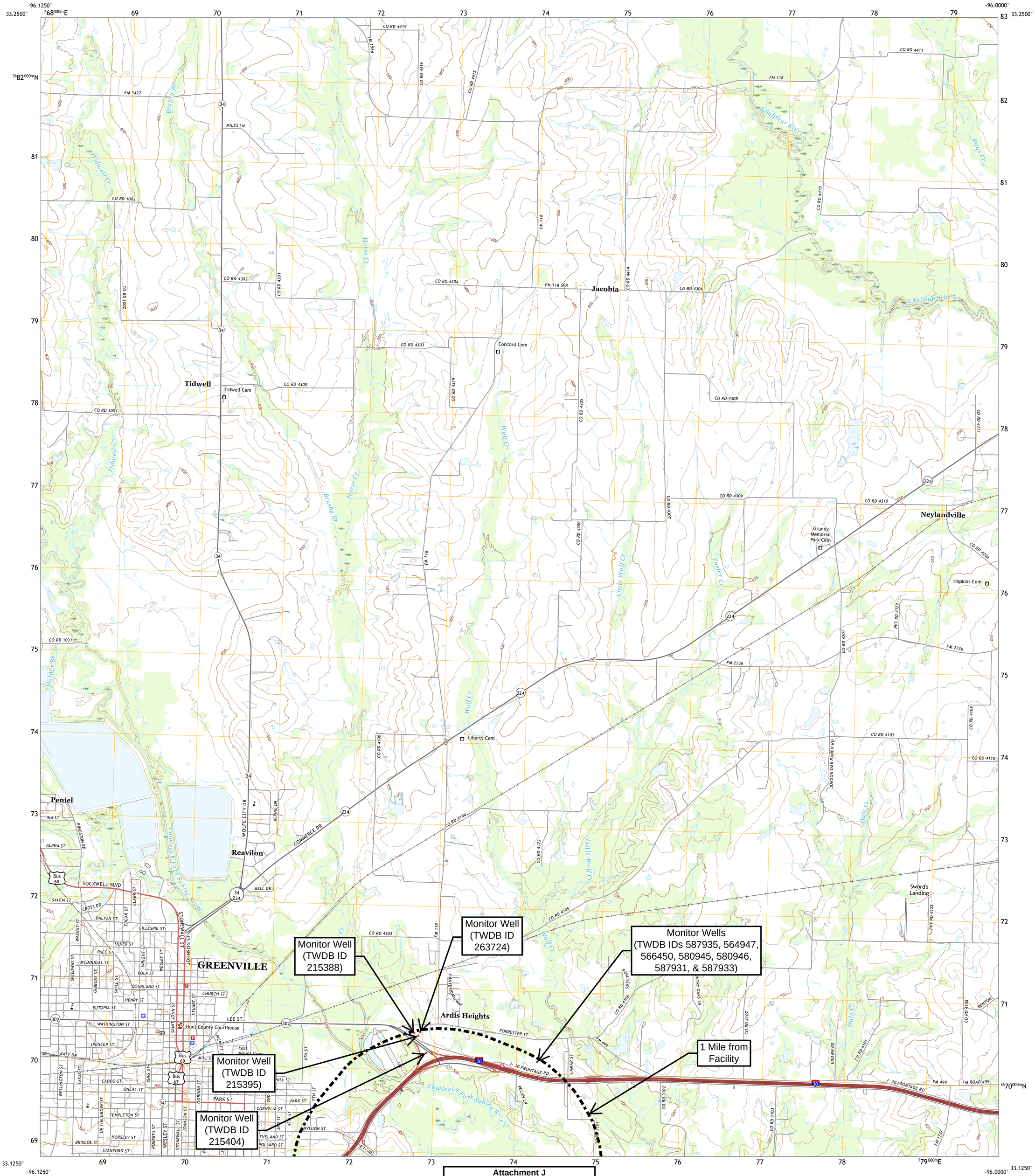
GREENVILLE SE, TX
2022

NSN. 7643016396378
NGA REF NO. USGSX24K18467

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

The National Map US Topo

GREENVILLE NE QUADRANGLE
TEXAS - HUNT COUNTY
7.5-MINUTE SERIES



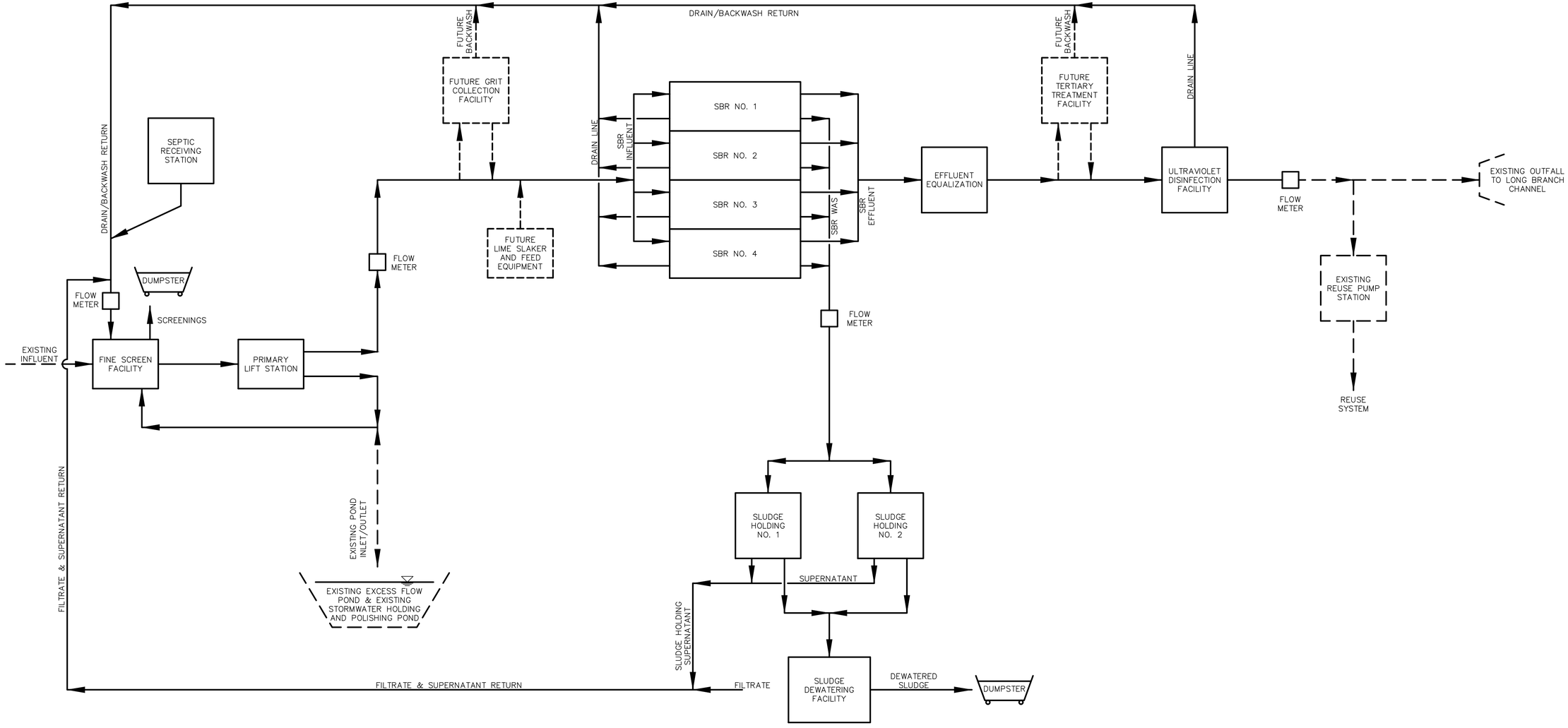
Attachment J
USGS Topographic Map - North
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

GREENVILLE NE, TX
2022

NSN 7643016396375
NGA REF NO. USGSX24K70254

Attachment K

Flow Diagrams



REV	REVISION	DATE	DRAWN	DESIGNED	REVIEWED

Greenville

Hanson No.:22L00818
Filename:Permit-PlantSchematic
Scale: AS SHOWN
Date: 10-09-2024

LAYOUT	LB
DRAWN	AN
REVIEWED	LB

STATE OF TEXAS
LEE J. BLOOME
145006
LICENSED PROFESSIONAL ENGINEER
10/09/2024

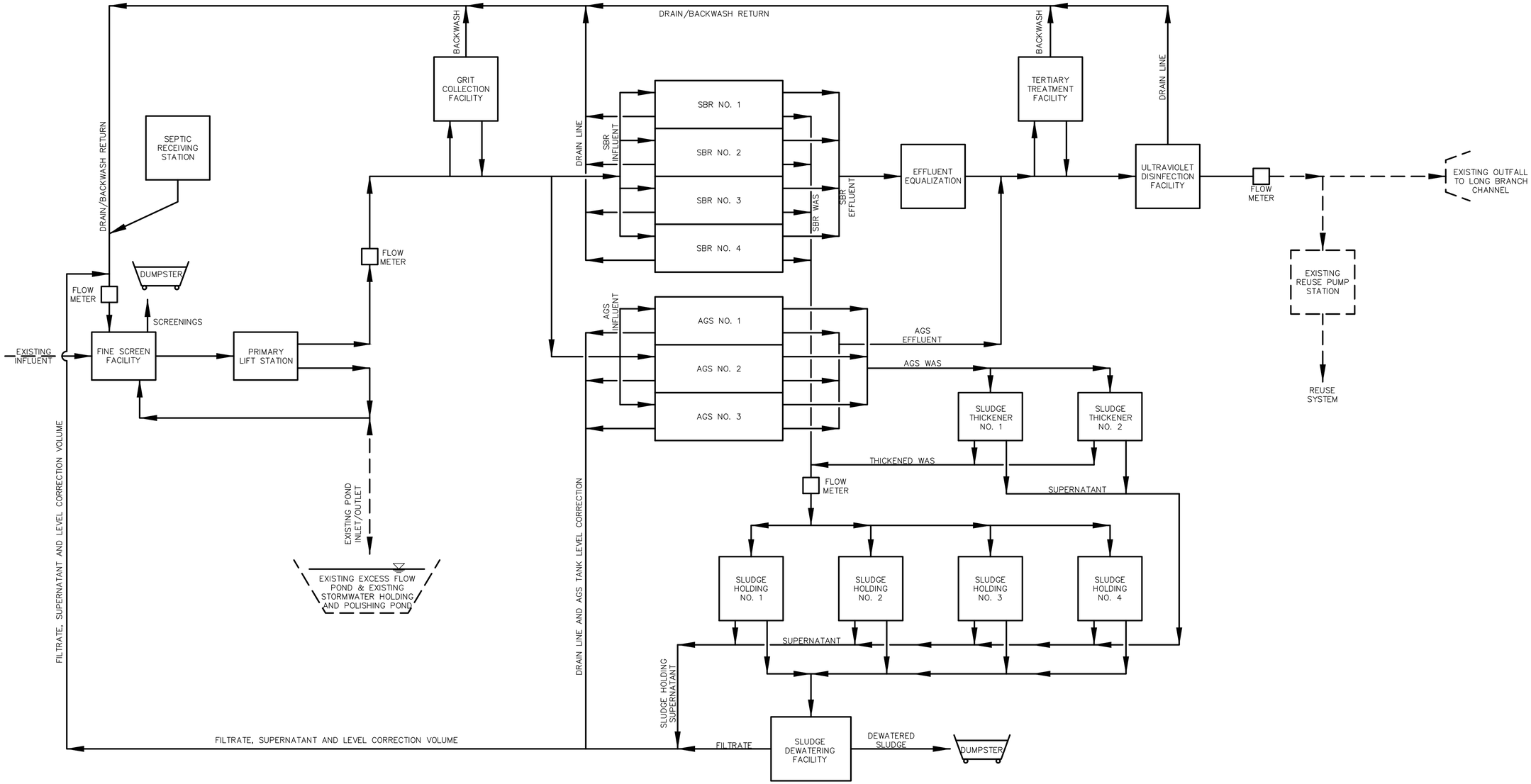
HANSON

Hanson Professional Services Inc.
4501 Gollihar Road
Corpus Christi, TX 78411
TBPELS ENGINEERING F-417 SURVEY F-10039500
TBPG F-50056

ATTACHMENT K
FLOW DIAGRAM - 6MGD - 2010

CITY OF GREENVILLE, TX
WASTEWATER TREATMENT PLANT

K-1
OF 2 SHEETS



REV	REVISION	DATE	DRAWN	DESIGNED	REVIEWED

Greenville

Hanson No. 22L0081B
Filename PlantSchematic.dwg
Scale AS SHOWN
Date 5/15/2024

LAYOUT	xxx	5/15/2024
DRAWN	xxx	5/15/2024
REVIEWED	xxx	5/15/2024

FOR INTERIM REVIEW

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF REVIEW UNDER THE AUTHORITY OF:
Name: LEE BLOOME
Serial No.: 145506
Date: 9/30/2024

AND IT IS NOT TO BE USED FOR ANY OTHER PURPOSE.

HANSON

Hanson Professional Services Inc.
4501 Gollihar Road
Corpus Christi, TX 78411
(361) 814-9100 ENGINEERING F-417 SURVEY F-10093900
TBPG F-50565

Attachment K

Flow Diagram - 18 MGD

CITY OF GREENVILLE, TX
WASTEWATER TREATMENT PLANT

G006

Value OF # SHEETS

SEP 06, 2024 2:45 PM BRANS00939
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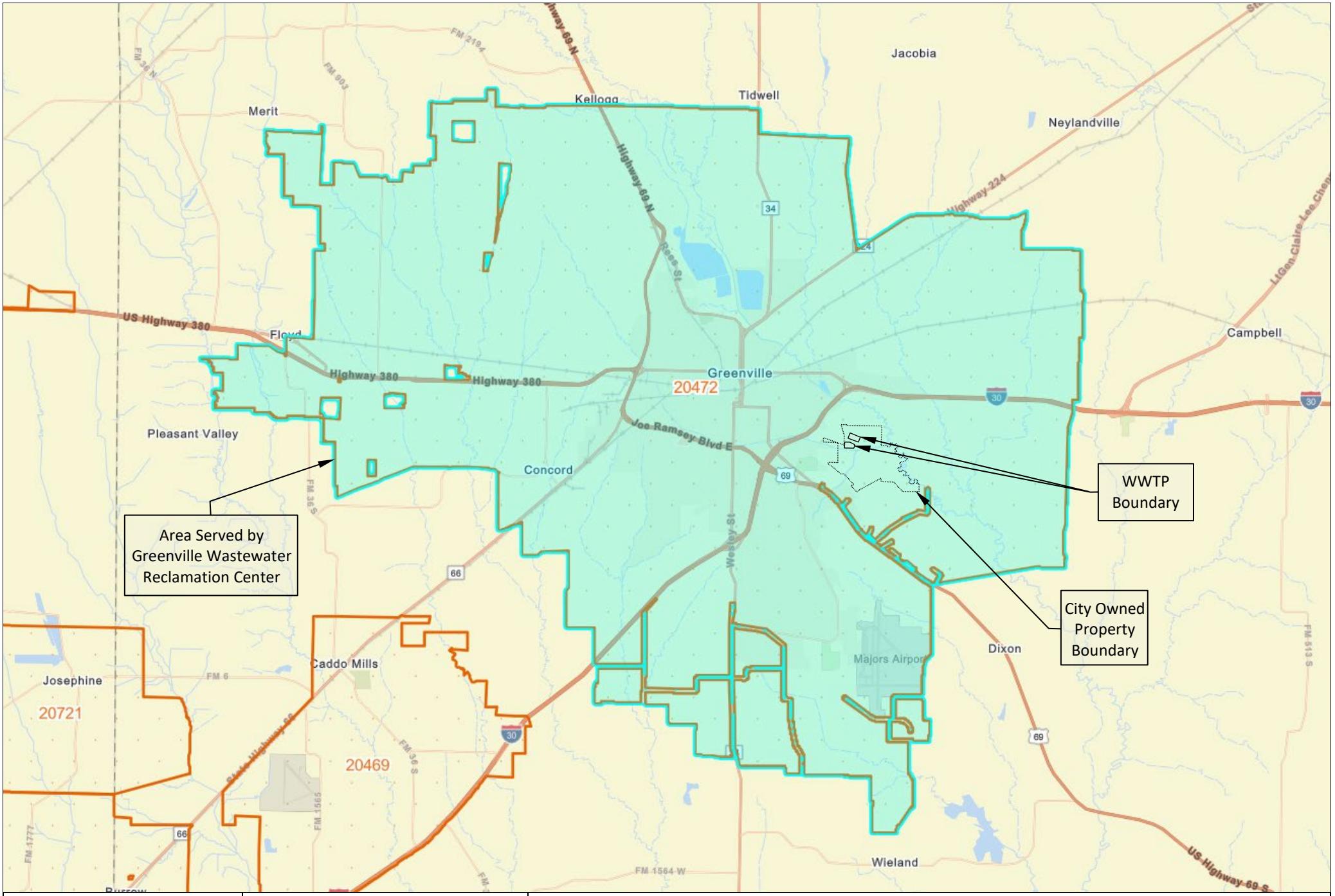
Attachment L

Site Drawings



HANSON

Note: Property Boundaries Shown are Approximate.

Drawn. By:	TLD	**Scale:**	As Shown
Project Number:	22L0081B	**Date:**	6/26/24

Attachment L
Site Drawing
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

Attachment M

Existing Phase Summary Transmittal Approval Letter

134201.2009

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 18, 2009

MR WILLIAM F PENA PE
RIVER CITY ENGINEERING LTD
3801 S FIRST ST
AUSTIN TX 78704

Re: CITY OF GREENVILLE
WASTEWATER RECLAMATION CENTER IMPROVEMENTS 2009
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PERMIT NO 10485-002
WWPR LOG NO 0809/021
CN600241525 RN102074770
HUNT COUNTY

Dear Mr. Pena:

We have received the project summary transmittal letter dated August 11, 2009.

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 Sewerage Systems.

Section 217.6(d), 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.

1. 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 §217.6(c). Additionally, the engineering report must include all constants, graphs, equations, and calculations needed to show substantial compliance with Chapter 217. The items which shall be included in the summary transmittal letter are addressed in §217.6(c)(1)-(10).

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

3. 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.

4. 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 §217.5 of the rules which states, "Approval given by the executive director...shall not relieve the sewerage system owner or the design engineer of any liabilities or responsibilities with respect to the proper design, construction, or authorized operation of the project in accordance with applicable commission rules."

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

Sincerely,

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

LCH/ms

cc: TCEQ, Region 04 Office

Attachment N

Sewage Sludge Solids Management Plans – Existing and Final

Attachment N1
Sewage Sludge Solids Management Plan – Existing Phase
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

Dimensions and capacities of all sewage sludge handling treatment units and processes:

Treatment Unit/Process	Quantity	Dimensions	Capacity
Sequencing Batch Reactors (SBRs)	4	108' length x 76' width x 26' depth	6,385,167 gallons
Aerobic Digesters	2	75' diameter x 12' depth	396,346 gallons
Belt Filter Presses	2	2 meters	1,400 lbs/hour

Calculations showing the amount of solids generated at design flow and at 75, 50, and 25 percent of design flow:

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Five-Day Biochemical Oxygen Demand (BOD_5)/day removed (lbs)	12,760	9,570	6,380	3,190
Dry Sludge Produced (lbs)	12,062	9,046	6,031	3,015
Wet Sludge Produced, assuming 1.5% solids (lbs)	8,041	6,031	4,021	2,010
Wet Sludge Produced (gallons)	96,418	72,313	48,209	24,104

Operating range for mixed liquor suspended solids in the treatment process based on the projected actual and design flow expected at the facility:

Mixed Liquor Suspended Solids (MLSS) Operating Range: 2,400 – 2,700 mg/L (in SBR)

Description of the procedure and method of solids removal from both the wastewater and sludge treatment processes:

Sludge is wasted from the SBR basins to the aerobic digesters. Sludge is then sent to the belt filter presses for dewatering. Supernatant from the belt presses is returned to the headworks of the plant.

Quantity of solids to be removed from the process and schedule for removal of solids designed to maintain an appropriate solids inventory:

Operators routinely analyze the MLSS in each SBR basin and the daily quantity wasted to the digesters is adjusted in order to maintain the target MLSS levels in the SBR basins. Operators

routinely monitor sludge levels in the digesters and adjust the operating time for the belt filter presses in order to maintain target solids levels in the digesters.

Identification and ownership of the ultimate disposal site and a system of documenting the amount of solids disposed of in dry weight form:

Dewatered sludge is hauled by Blackjack Disposal, Sludge Registration ID 26206 and is disposed of at Duncan Disposal (Republic Services), TCEQ Permit Number 2358. Plant operators perform a paint filter test and percents solids analysis for each load disposal. Each load is weighed at the landfill. The information is tabulated to determine the total dry solids disposed.

Indicate the permittee name, permit number, and the amount of sludge accepted from other plants:

Permittee Name	TPDES Permit Number	Gallons of Sludge Received per Year (gallons)
City of Hawk Cove	WQ0014522001	139,416
Hawk Cove WWTP	WQ0014522001	9,549
Recreational Resort Living, LLC	WQ0015587001	6,000
Sabine River Authority/Lake Tawakoni State Park WTP10922 FM2475 Wills Point, TX75169)	WQ0013857001	8,650
Sabine River Authority/Tawakoni Waste, LLC	WQ0014297003	53,343
The Adelphi Organization	WQ0012227001	6,000
Water Works Utilities, Inc. (Lake Tawakoni RV Camp Ground WTF)	WQ0014736001	3,400

Attachment N2
Sewage Sludge Solids Management Plan – Final Phase
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

Dimensions and capacities of all sewage sludge handling treatment units and processes:

Treatment Unit/Process	Quantity	Dimensions	Capacity
Sequencing Batch Reactors (SBRs)	4	108' length x 76' width x 26' depth	6,385,167 gallons
Aerobic Granular Sludge SBR Basins	3	100' length x 105' width x 23' depth	5,419,636 gallons
Sludge Buffer (Thickener) Basin	2	39' x 32' 19.5'	182,046 gallons
Sludge Holding Basins	2	75' diameter x 13' depth	429,623 gallons
Sludge Holding Basins	2	50' x 75' x 13'	364,675 gallons

Calculations showing the amount of solids generated at design flow and at 75, 50, and 25 percent (18 MGD, 13.5 MGD, 9 MGD, and 4.5 MGD) of design flow:

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Five-Day Biochemical Oxygen Demand (BOD_5)/day removed (lbs)	38730	28672	18614	8556
Dry Sludge Produced (lbs)	29369	22027	14684	7342
Wet Sludge Produced, assuming 1.5% solids (lbs)	1957965	1468473	978982	489491
Wet Sludge Produced (gallons)	234768	176076	117384	58692

Operating range for mixed liquor suspended solids in the treatment process based on the projected actual and design flow expected at the facility:

SBR Mixed Liquor Suspended Solids (MLSS) Operating Range: 2,400 – 2,700 mg/L
MLSS Operating Range: 8,000 mg/L

Description of the procedure and method of solids removal from both the wastewater and sludge treatment processes:

Sludge is wasted from the SBR basins to the aerobic digesters. Sludge is then sent to the belt filter presses for dewatering. Supernatant from the belt presses is returned to the headworks of the plant.

Quantity of solids to be removed from the process and schedule for removal of solids designed to maintain an appropriate solids inventory:

Operators routinely analyze the MLSS in each SBR basin and the daily quantity wasted to the digesters is adjusted in order to maintain the target MLSS levels in the SBR basins. Operators routinely monitor sludge levels in the digesters and adjust the operating time for the belt filter presses in order to maintain target solids levels in the digesters.

Identification and ownership of the ultimate disposal site and a system of documenting the amount of solids disposed of in dry weight form:

Dewatered sludge is hauled by Blackjack Disposal, Sludge Registration ID 26206 and is disposed of at Duncan Disposal (Republic Services), TCEQ Permit Number 2358. Plant operators perform a paint filter test and percents solids analysis for each load disposal. Each load is weighed at the landfill. The information is tabulated to determine the total dry solids disposed.

Indicate the permittee name, permit number, and the amount of sludge accepted from other plants:

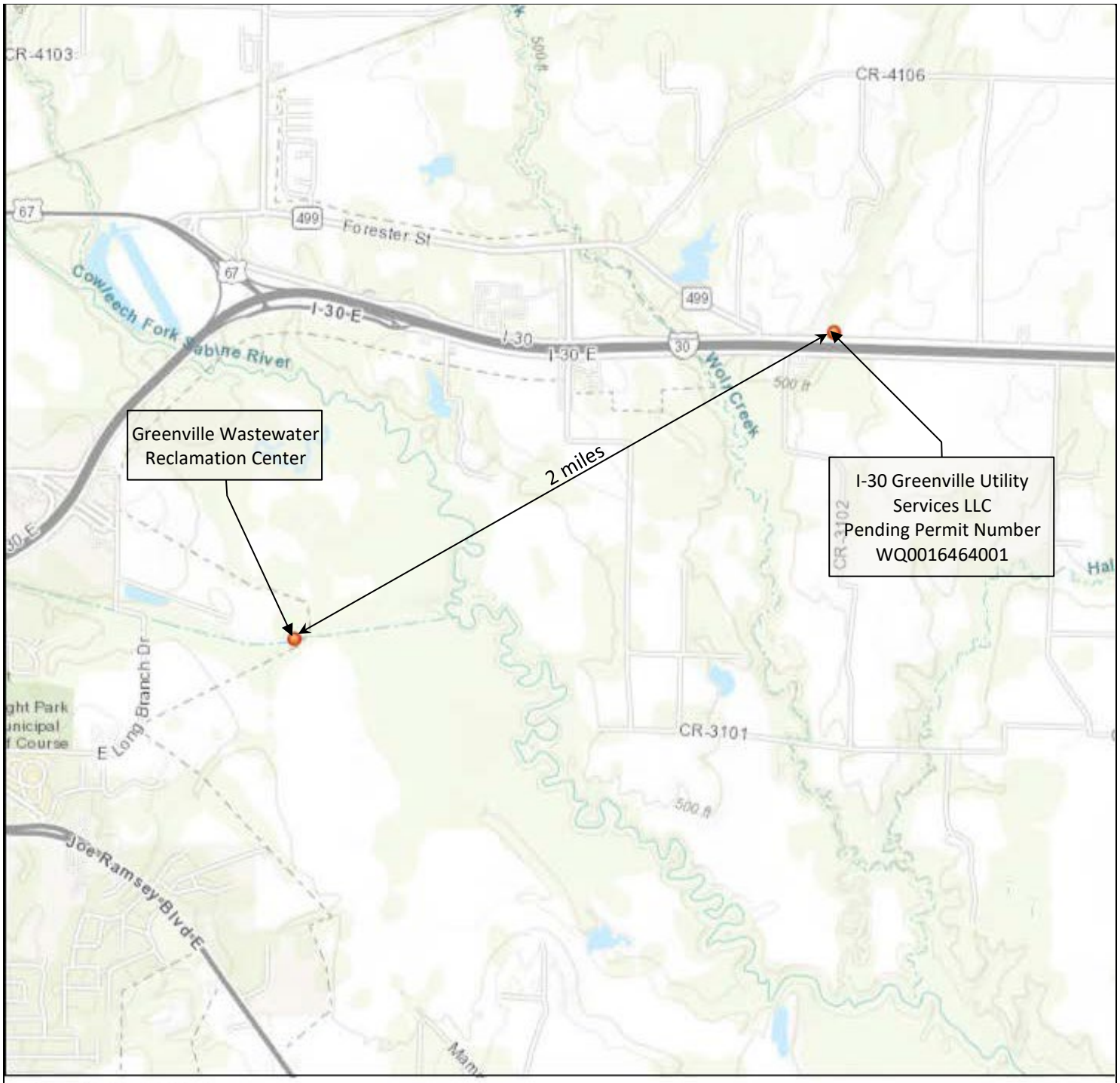
Permittee Name	TPDES Permit Number	Gallons of Sludge Received per Year (gallons)
City of Hawk Cove	WQ0014522001	139,416
Hawk Cove WWTP	WQ0014522001	9,549
Recreational Resort Living, LLC	WQ0015587001	6,000
Sabine River Authority/Lake Tawakoni State Park WTP10922 FM 2475 Wills Point, TX 75169)	WQ0013857001	8,650
Sabine River Authority/Tawakoni Waste, LLC	WQ0014297003	53,343
The Adelphi Organization	WQ0012227001	6,000
Water Works Utilities, Inc. (Lake Tawakoni RV Camp Ground WTF)	WQ0014736001	3,400

Attachment O

List and Map of Domestic WWTP within Three Miles

Attachment O
Domestic Permitted Wastewater Treatment Facilities within Three Miles of Greenville Wastewater Reclamation Center
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

WWTP within 3 Miles of Greenville Wastewater Reclamation Center	Distance/Direction from Greenville Wastewater Reclamation Center
I-30 Greenville Utility Services LLC – pending permit number WQ0016464001	2 miles northeast



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0 0.4 0.8 1.6 km

Wastewater Outfalls

Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA, TCEQ

Web AppBuilder for ArcGIS

Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA | TCEQ |

HANSON

Note: Property Boundaries Shown are Approximate.

Drawn. By:	TLD	Scale:	As Shown
Project Number:	22L0081B	Date:	7/12/24

Attachment O
Domestic WWTPs within 3 Miles of Greenville Wastewater Reclamation Center
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

Attachment P

Plant Design Summary

Attachment P
Plant Design Summary
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

Screens:

Current Screens: 2 each, Huber Escamax Fine Screen with 6 millimeter (mm) perforated plate openings. 5-foot (ft) channel width and 20 million gallon per day (MGD) peak hourly flow capacity per screen.

Proposed Screen: 1 each, Huber Escamax Fine Screen with 6 mm perforated plate openings. 5 ft channel width and 20 MGD peak hourly flow capacity per screen.

Proposed Combined Capacity: 40 MGD with one unit out of service.

Current Screening Washer Compactor: 2 each Huber Wash and Press-Launder (WAP-L) screenings washer compactor.

Proposed Screening Washer Compactor: 1 each Huber Washer Compactor sized for one screen.

2 each Huber Washer Compactor sized for two screens in series.

Pumps:

All pumps will be replaced as part of this project. The new pumps will include:

Two 14" Vertical Turbine Solids Handling Pumps:

Capacity:

Simplex: 2,000 to 3,500 gpm using a variable frequency drive (VFD)

Duplex: 4,800 to 6,000 gpm using a VFD

Three 20" Vertical Turbine Solids Handling Pumps:

Capacity:

Simplex: 5,000 to 11,000 gpm using a VFD

Duplex: 11,000 to 17,000 gpm using a VFD

Firm capacity of the headworks pumps will be 17,000 gpm (24.5 MGD) with one large pump out of service.

Grit Removal:

Grit removal will consist of two Eutek Headcell Grit Removal Chambers.

The unit is a 12 ft diameter 12 tray headcell unit. The basins are each 18 ft 8 in by 16 ft and have an operating depth of 22 ft 2 in.

Capacity:

Each Headcell unit has a capacity of 24 MGD with 1 ft of headloss across the unit.

Grit Concentration and Washing:

Each Headcell will have an OpTeaCup Grit Classification and Concentration Unit with a Hydro Grit Cleanse grit washer dewaterer. Each unit is sized for the 12 ft Headcell Unit.

Grit Pumps:

Two pumps each rated for 400 gpm to remove grit from the Headcell and transfer it to the grit washer.

Existing Sequencing Batch Reactor (SBR) System Capacity:

The existing SBR consists of four separate basins with a 375,000-gallon capacity per cycle. There is an existing surge basin that is used to equalize the decant flows from the SBRs ahead of the ultraviolet (UV) disinfection system.

Aerobic Granular Sludge (AGS) SBR System:

The new AGS system will consist of three sequencing batch reactor basins.

Design Parameters:

Design Flow of 12 MGD. With the NEREDA process there isn't a peaking factor.

Parameter	Influent	Milligrams /liter (mg/l)	Req	mg/l	Anticipated	mg/l
Biochemical Oxygen Demand (BOD)	BOD_5	268	CBOD	10	CBOD	10
Carbonaceous Biochemical Oxygen Demand (COD)	COD	520	-	-	-	-
Total Suspended Solids (TSS)	TSS	223	TSS	15	TSS	5
Total Kjeldahl Nitrogen (TKN)	TKN	50	-	-	-	-
Ammonia Nitrogen (NH_3-N)	-	-	NH_3-N	3	NH_3-N	3
Phosphorus (P)	Total P	9	-	-	-	-

Each basin is 100 ft x 105 ft with a treatment sidewall depth of 23 ft. The basin total height is 25.5 ft. Volume per basin is 1.81 million gallons (MG)

Process Details:

- Cycle Duration: 4.8 hours
- Food/Mass Ratio 0.074 lbs BOD_5/lb mixed liquor suspended solids (MLSS)/Day
- MLSS Concentration 8,000 mg/l

- HRT: .45 days
- SRT: 17.2 days
- Est Net Sludge Yield .73 lbs waste activated sludge (WAS)/lb BOD_5
- Est Dry Solids Prod. 19,543 lbs WAS/Day

Aeration Details:

- lbs O_2/lb BOD_5 1.25
- lbs O_2/lb TKN 4.6
- Peak O_2 Factor 1.0
- Actual O_2 Required 56545 lbs/Day
- Max Air per Basin 7,585 standard cubic feet per minute (SCFM)
- Max Simultaneous Air 11,529 SCFM
- Min Simultaneous Air 4,356 SCFM

Return Flows:

- Daily Estimated Return Flow 2.62 MGD
- Max Instantaneous Return Flow 2,547 gallons per minute (gpm)

Sludge Buffer (Thickener) Volume:

- Number of Basins 2 each
- Min Level 1 ft
- Max Level 17.4 ft
- Basin Dimensions 39 ft x 32 ft x 19.5 ft tall
- Max Sludge Flow Rate 379 gpm
- Max Supernatant Return 1,515 gpm

Tertiary Filtration:

The proposed tertiary filtration system consists of three independent cloth fabric disk filters.

The basin details are as follows:

Filter Basin:

15 ft 8 in long by 10 ft wide by 14 ft 2 in tall. Each basin has 12 filter disks.

The effluent chamber for each filter unit is 5 ft long by 10 ft wide by 10 ft tall with two finger weirs that overflow into a headbox.

Hydraulic Capacity:

The system is sized for 18 MGD average flow and 24 MGD peak flow with one of the three units out of operation.

The hydraulic loading on the filters is 3.23 gpm per square foot of filter at 18 MGD and 6.45 gpm per square foot at the peak flow with one unit out of operation.

UV Disinfection:

Existing System Capacity:

The current UV system is remaining in service. The system consists of two channels each with 6 UV modules that can provide treatment to 6 MGD of flow.

Proposed System Capacity:

The proposed UV system will consist of one new UV channel in the existing UV structure at the plant. The manufacturer has not been selected yet.

Design Parameters:

- Design Flow 12 MGD
- TSS <15 mg/l
- Design Min Transmittance 65% ultraviolet transmittance (UVT)
- E-Coli Permit Daily Avg. <126 most probable number (MPN)/100 ml
- E-Coli Permit Daily Max. <399 MPN/100 ml
- Min Dose 30 millijoules per square centimeter (mJ/sq cm)
- Number of Modules 3 units (2 main and 1 backup)
- Number of Lamps/Module 36 lamps
- Total number of lamps 108 lamps
- Module width 29 inches
- Water Depth 61 inches to 69 inches

Sludge Management:

Sludge Digesters:

Existing System Capacity:

Existing sludge digesters consist of two circular tanks. Each is 75 ft in diameter with a 13 ft usable depth. Each tank holds 400,000-gallons of sludge.

Each tank has a decanter, two floating aerator mixers, and a sludge drain that feeds the sludge dewatering building.

Proposed System Capacity:

The proposed sludge aerobic digesters will consist of two rectangular digester tanks with room for two additional tanks to be added in the future.

The proposed tanks will be 50 ft by 75 ft and a usable depth of 13 ft to match the existing tanks. Each tank will have a usable volume of 365,000-gallons.

Each tank will have a decanter, a central drain and two rows of coarse bubble aeration.

The proposed tanks will each need a total of 1315 SCFM of air.

The system will have two blowers with room for a third.

Each blower will be a rotary lobe blower rated at 660 cubic feet per minute (CFM).

Sludge Dewatering:

The plant currently has two sludge filter presses. They run one press for 8 hours per day dewatering sludge. The sludge cake is currently augered outside the building to a two-bay covered storage area. The plant can fill two dumpsters but currently has to move the dumpsters with a tractor as they fill up. The plant does not have plans to expand the sludge dewatering portion of the plant. They will run multiple shifts as sludge production increases. The plant is going to expand its storage area for sludge disposal.

Sludge Disposal Area:

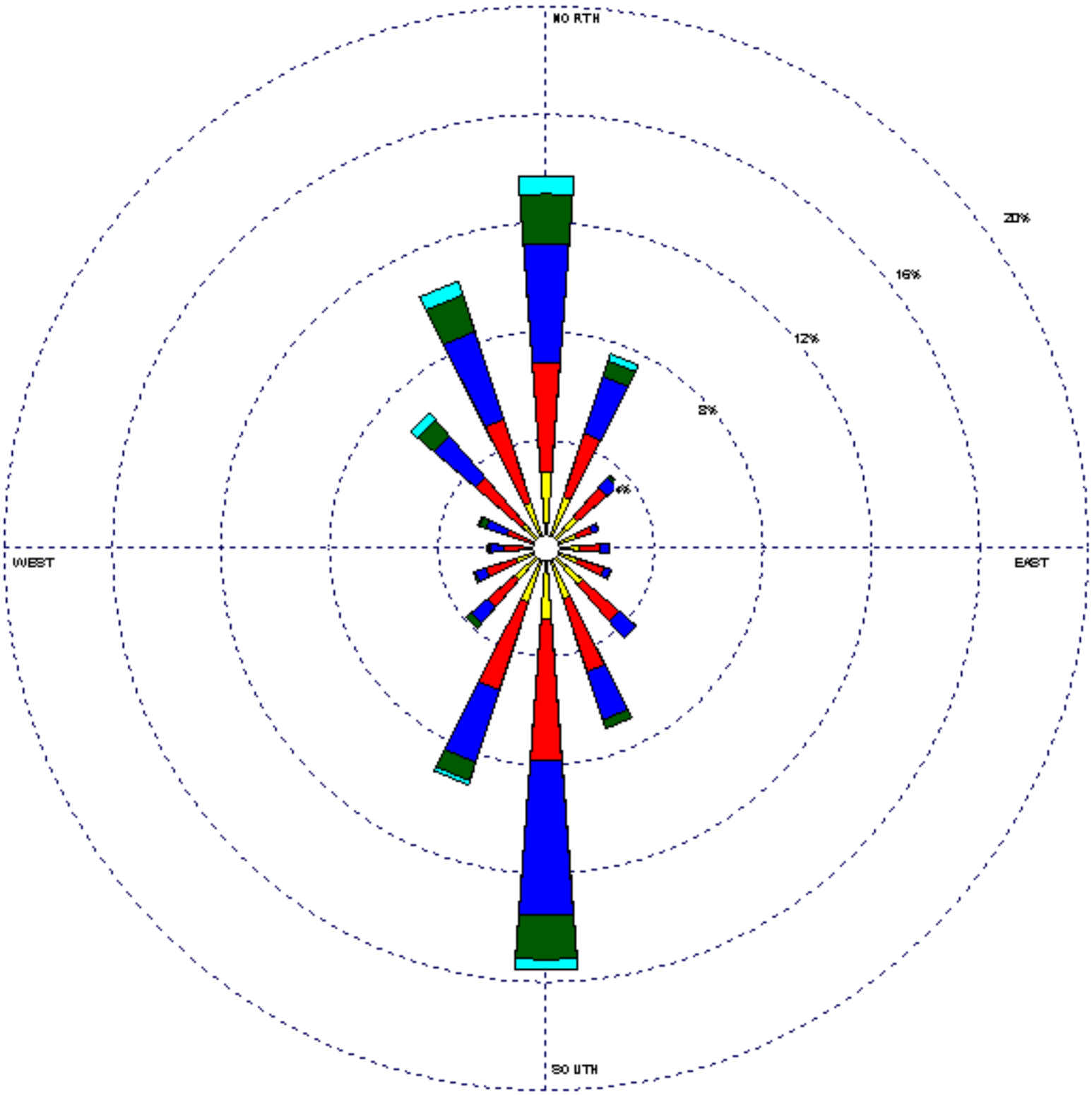
The proposed sludge disposal area includes adding an additional two bays of sludge storage. Each bay will have room for two dumpsters. The current auger system will be extended to feed the two new bays. Longitudinal augers will be added to three of the bays that can each fill two dumpsters without moving them. The City will be able to fill 7 dumpsters at a time with the new system.

Attachment Q

Wind Rose

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



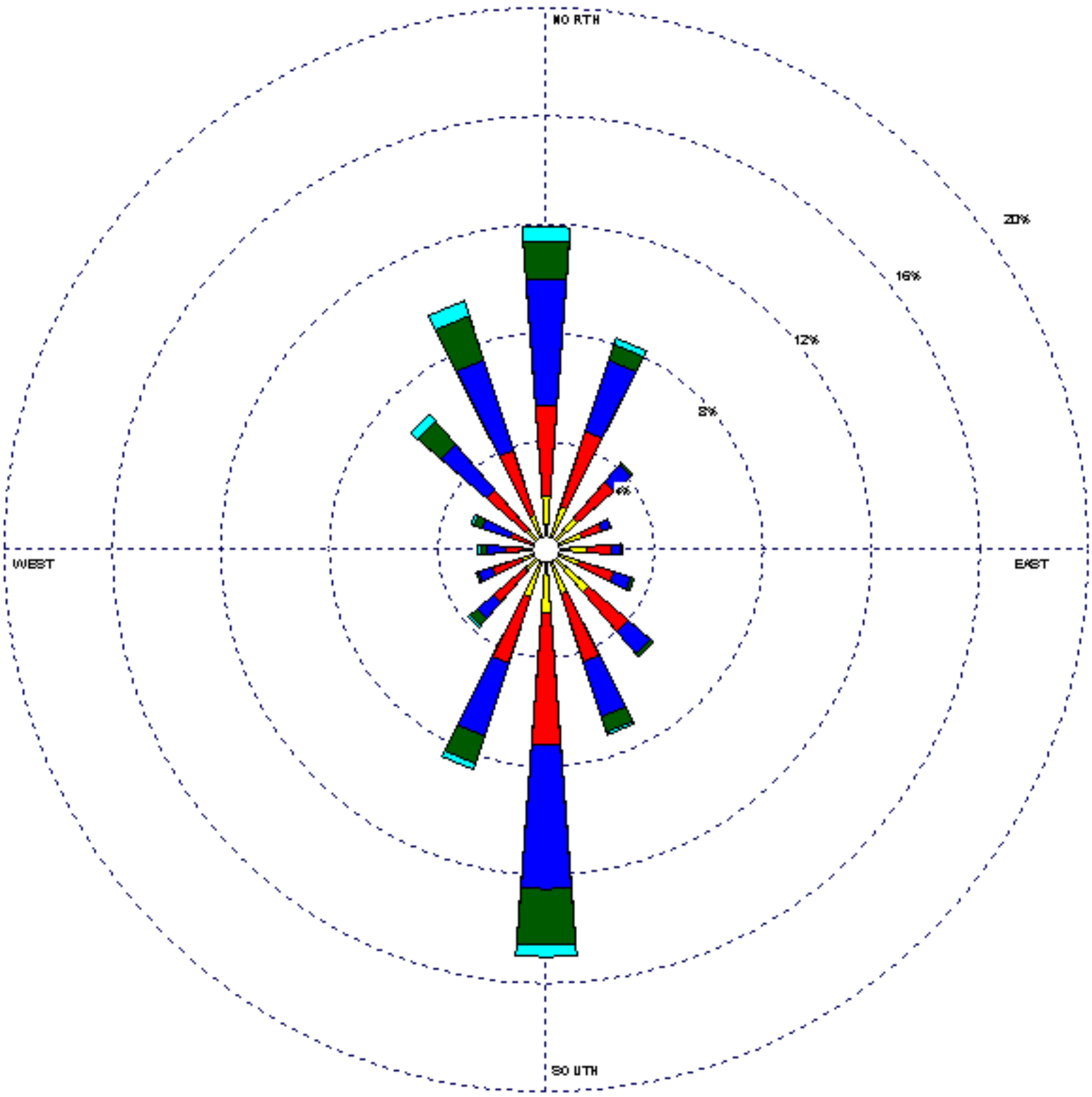
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY	**UNIT**	**COMMENTS**
Wind Speed	m/s	
AVG. WIND SPEED	**CALM WINDS**	
5.19 m/s	3.50%	
ORIENTATION	**PLOT YEAR-DATE-TIME**	
Direction (blowing from)	1961 Jan 1 - Jan 31 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



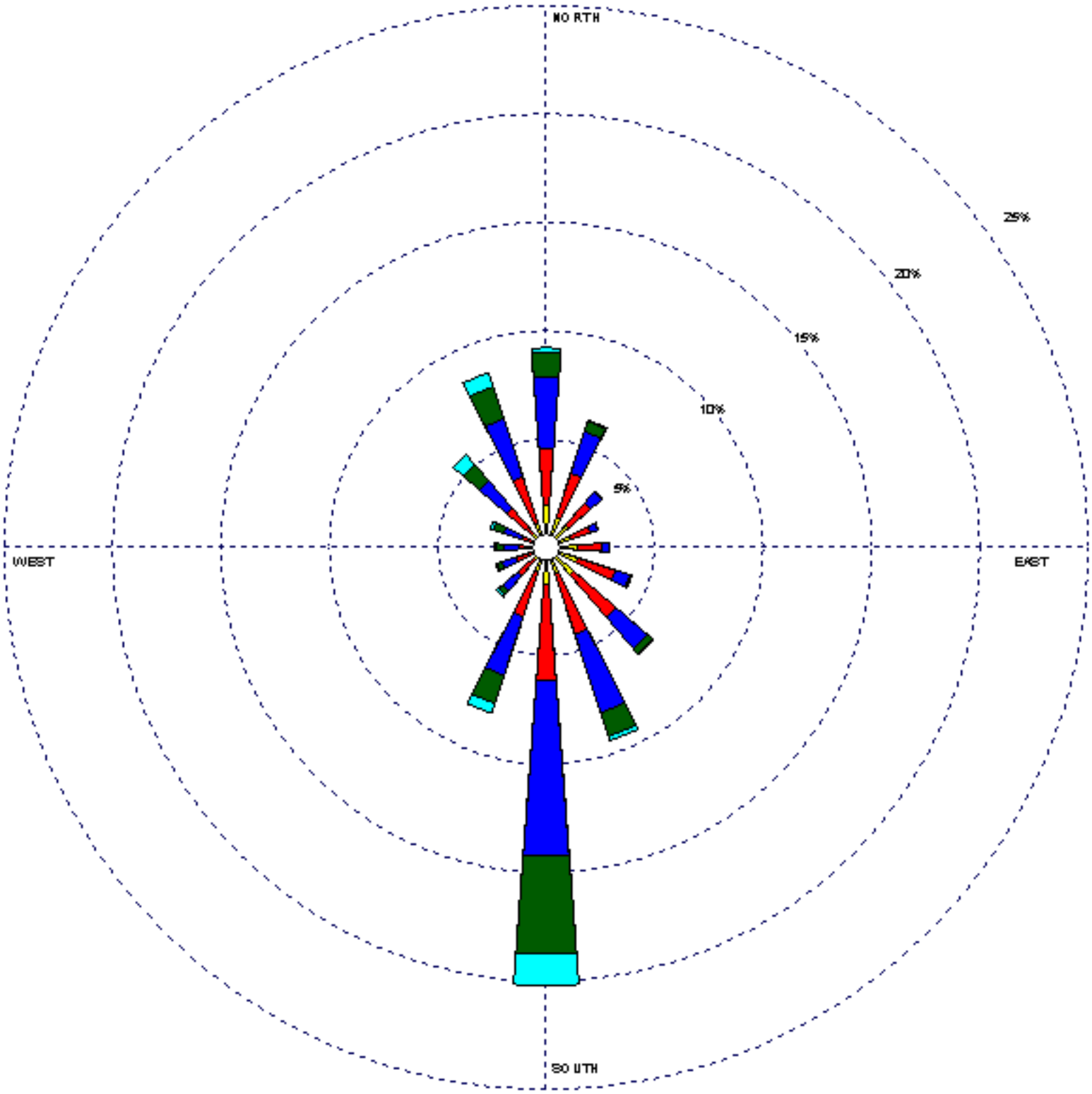
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY: Wind Speed	UNIT: m/s	COMMENTS
AVG. WIND SPEED: 5.46 m/s	CALM WINDS: 2.61%	
ORIENTATION: Direction (blowing from)	PLOT YEAR-DATE-TIME: 1961 Feb 1 - Feb 29 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



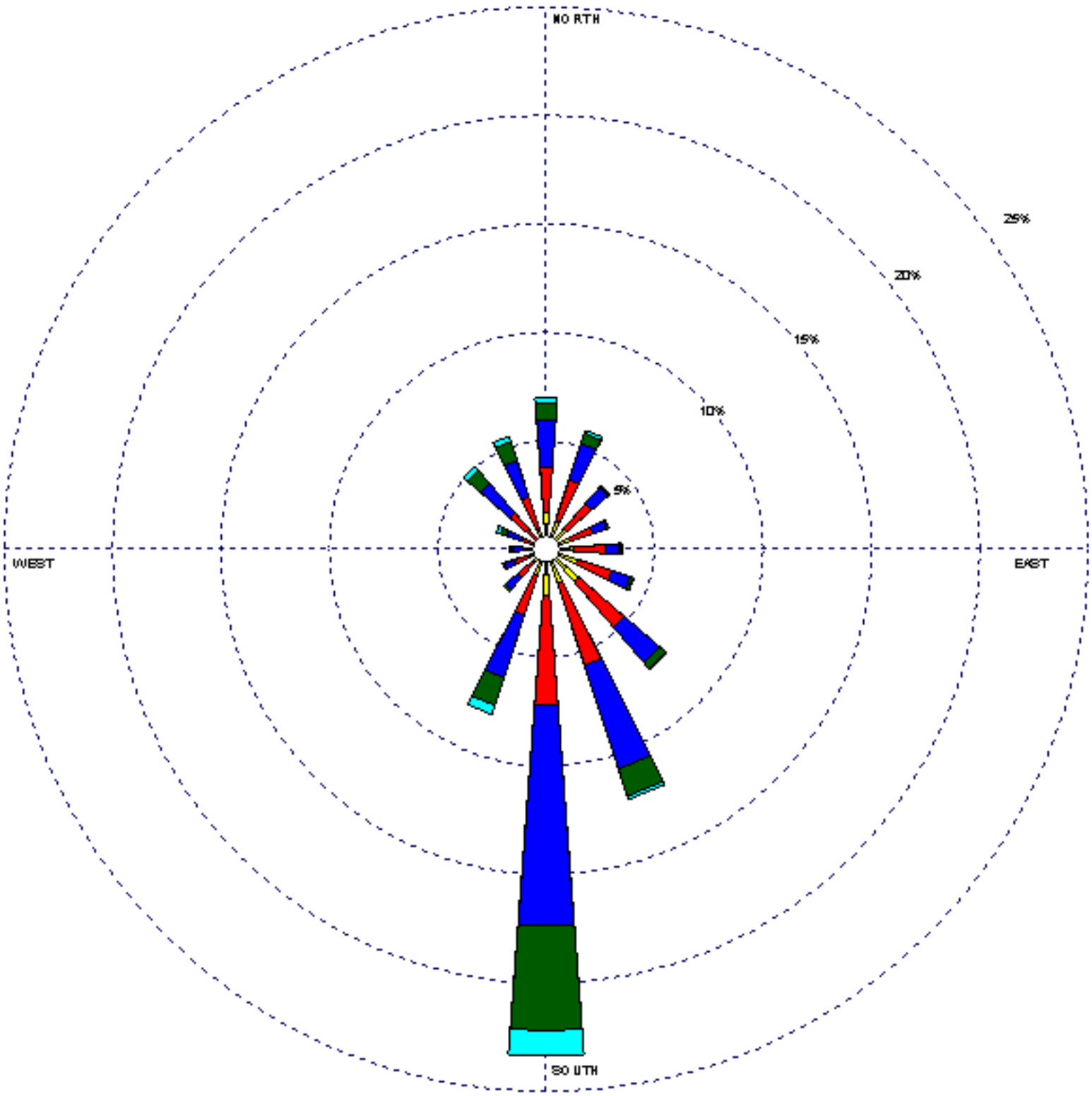
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY	UNIT	COMMENTS
Wind Speed	m/s	
AVG. WIND SPEED	CALM WINDS	
5.87 m/s	2.45%	
ORIENTATION	PLOT YEAR-DATE-TIME	
Direction (blowing from)	1961 Mar 1 - Mar 31 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



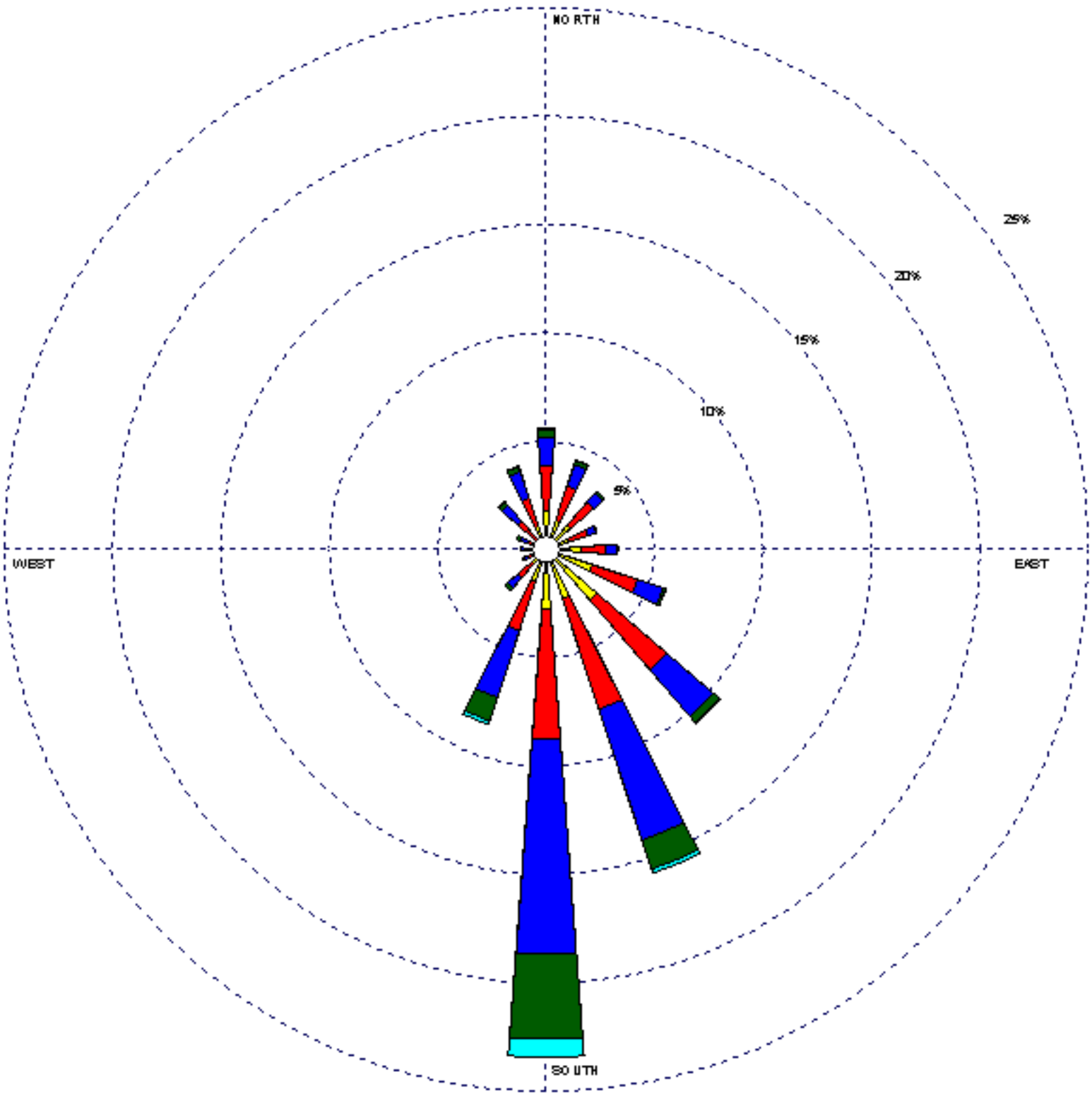
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY: Wind Speed	UNIT: m/s	COMMENTS
AVG. WIND SPEED: 5.76 m/s	CALM WINDS: 2.32%	
ORIENTATION: Direction (blowing from)	PLOT YEAR-DATE-TIME: 1961 Apr 1 - Apr 30 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



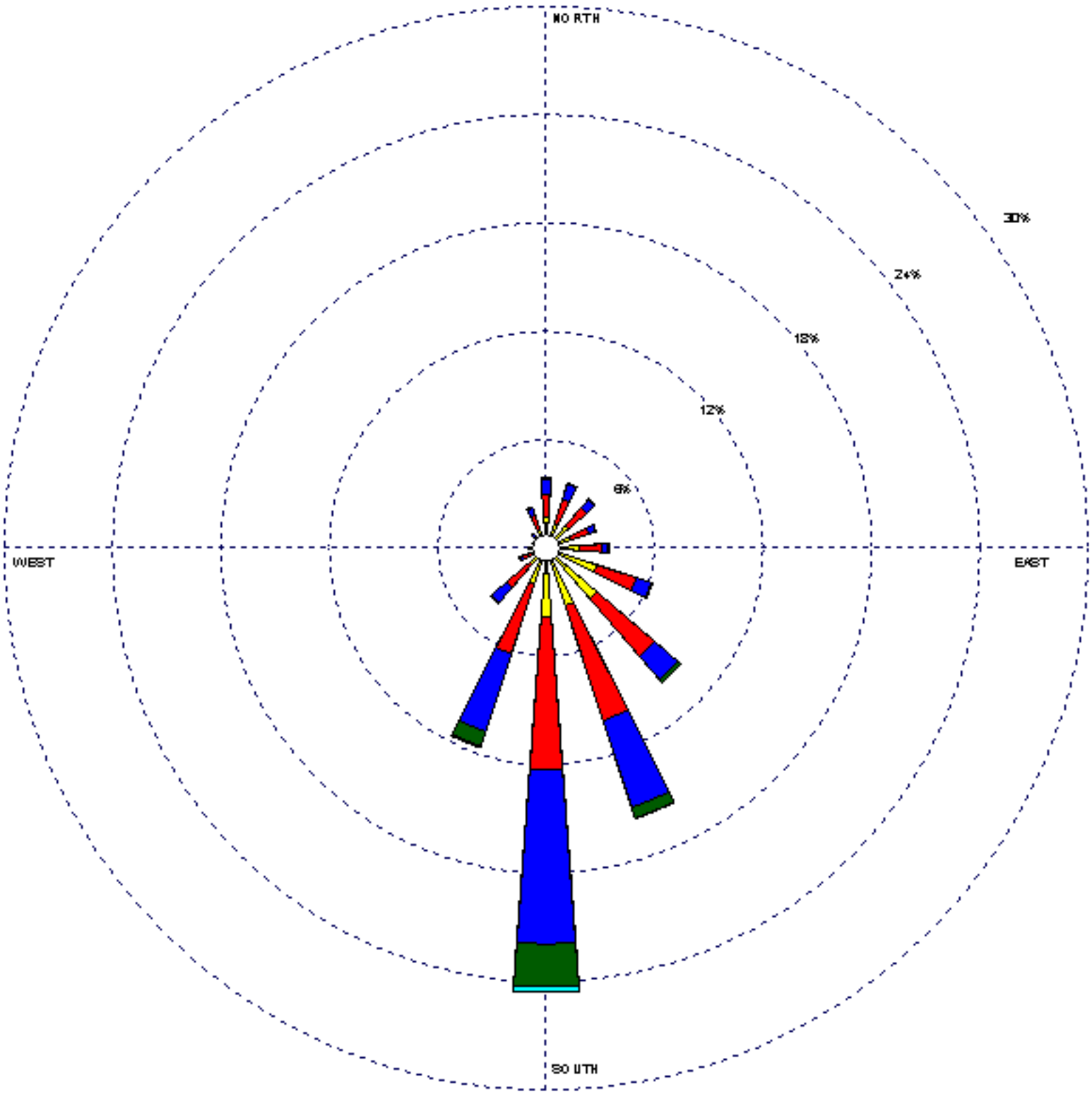
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY	UNIT	COMMENTS
Wind Speed	m/s	
AVG. WIND SPEED	CALM WINDS	
5.28 m/s	3.23%	
ORIENTATION	PLOT YEAR-DATE-TIME	
Direction (blowing from)	1961 May 1 - May 31 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



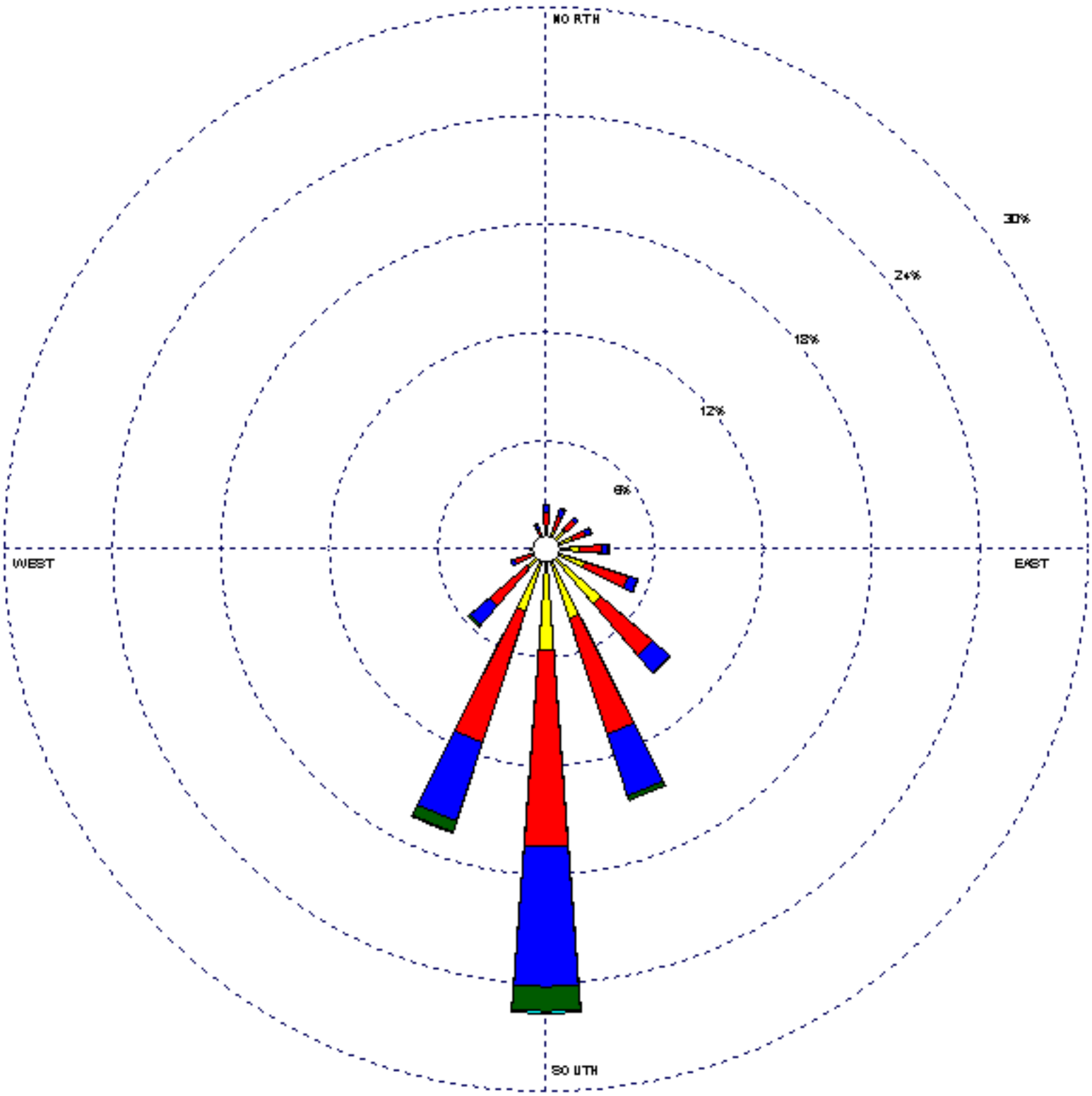
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY	**UNIT**	**COMMENTS**
Wind Speed	m/s	
AVG. WIND SPEED	**CALM WINDS**	
4.75 m/s	3.20%	
ORIENTATION	**PLOT YEAR-DATE-TIME**	
Direction (blowing from)	1961 Jun 1 - Jun 30 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



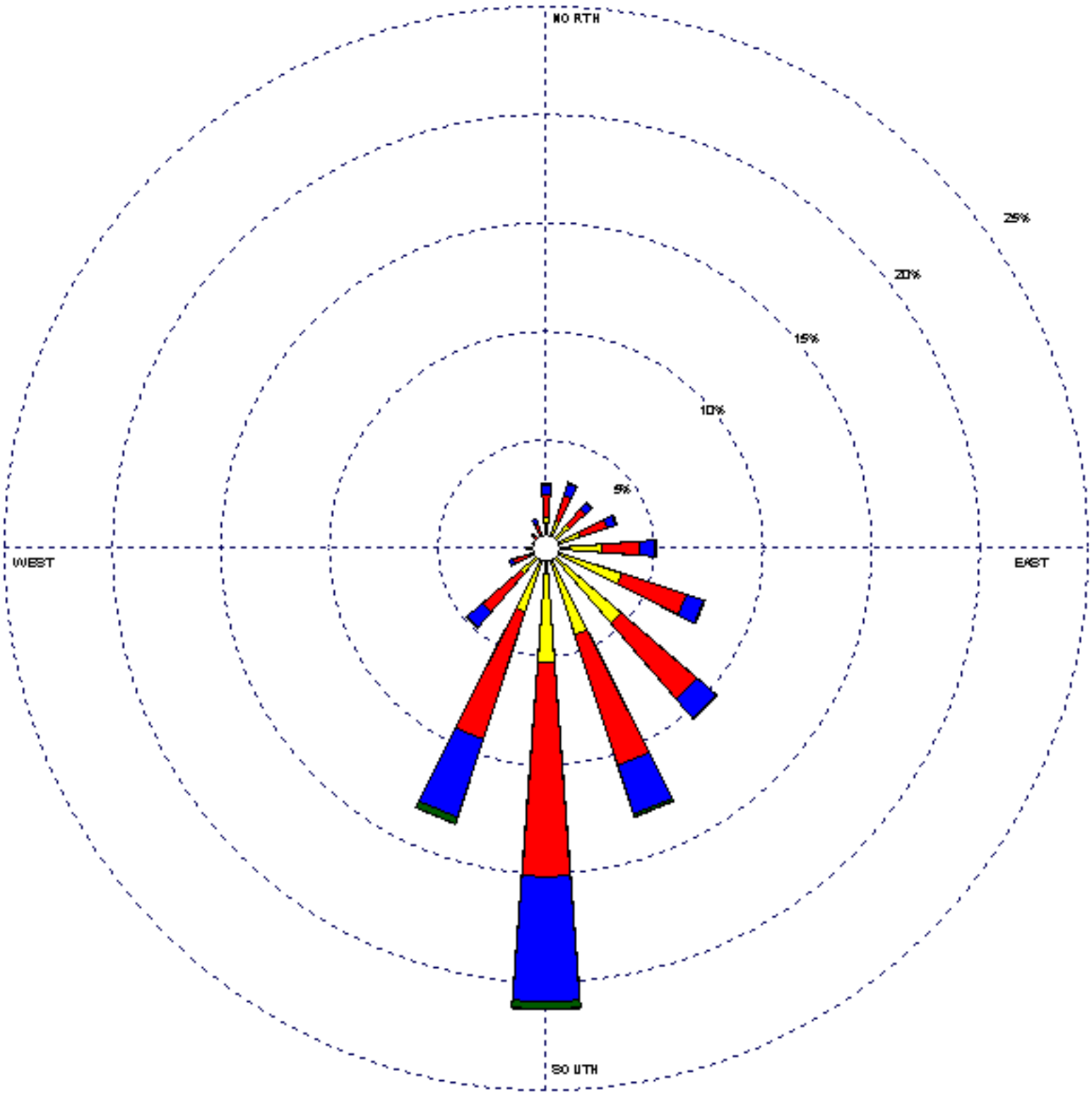
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY: Wind Speed	UNIT: m/s	COMMENTS
AVG. WIND SPEED: 4.43 m/s	CALM WINDS: 3.92%	
ORIENTATION: Direction (blowing from)	PLOT YEAR-DATE-TIME: 1961 Jul 1 - Jul 31 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



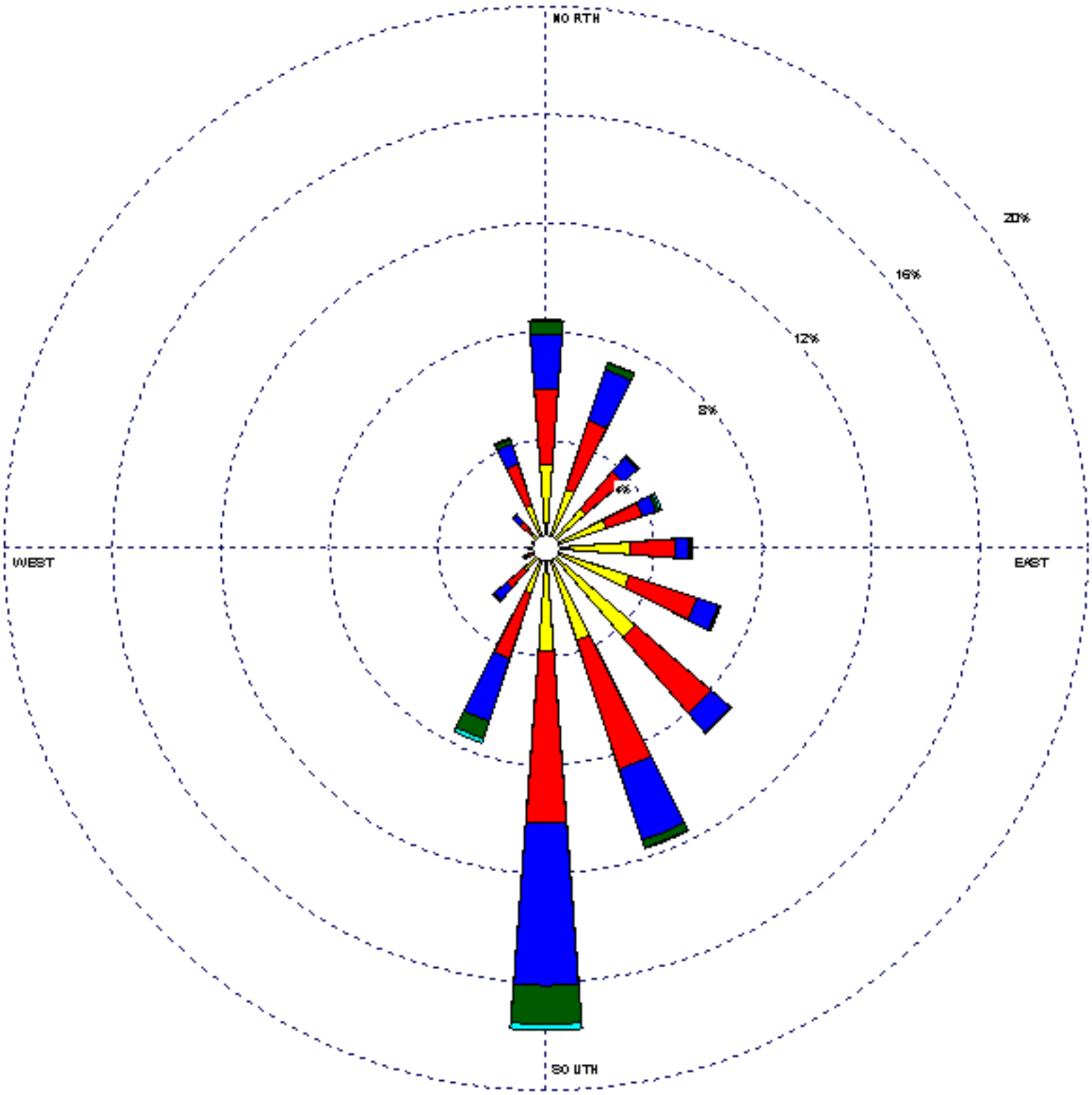
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY	**UNIT**	**COMMENTS**
Wind Speed	m/s	
AVG. WIND SPEED	**CALM WINDS**	
4.17 m/s	5.95%	
ORIENTATION	**PLOT YEAR-DATE-TIME**	
Direction (blowing from)	1961 Aug 1 - Aug 31 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



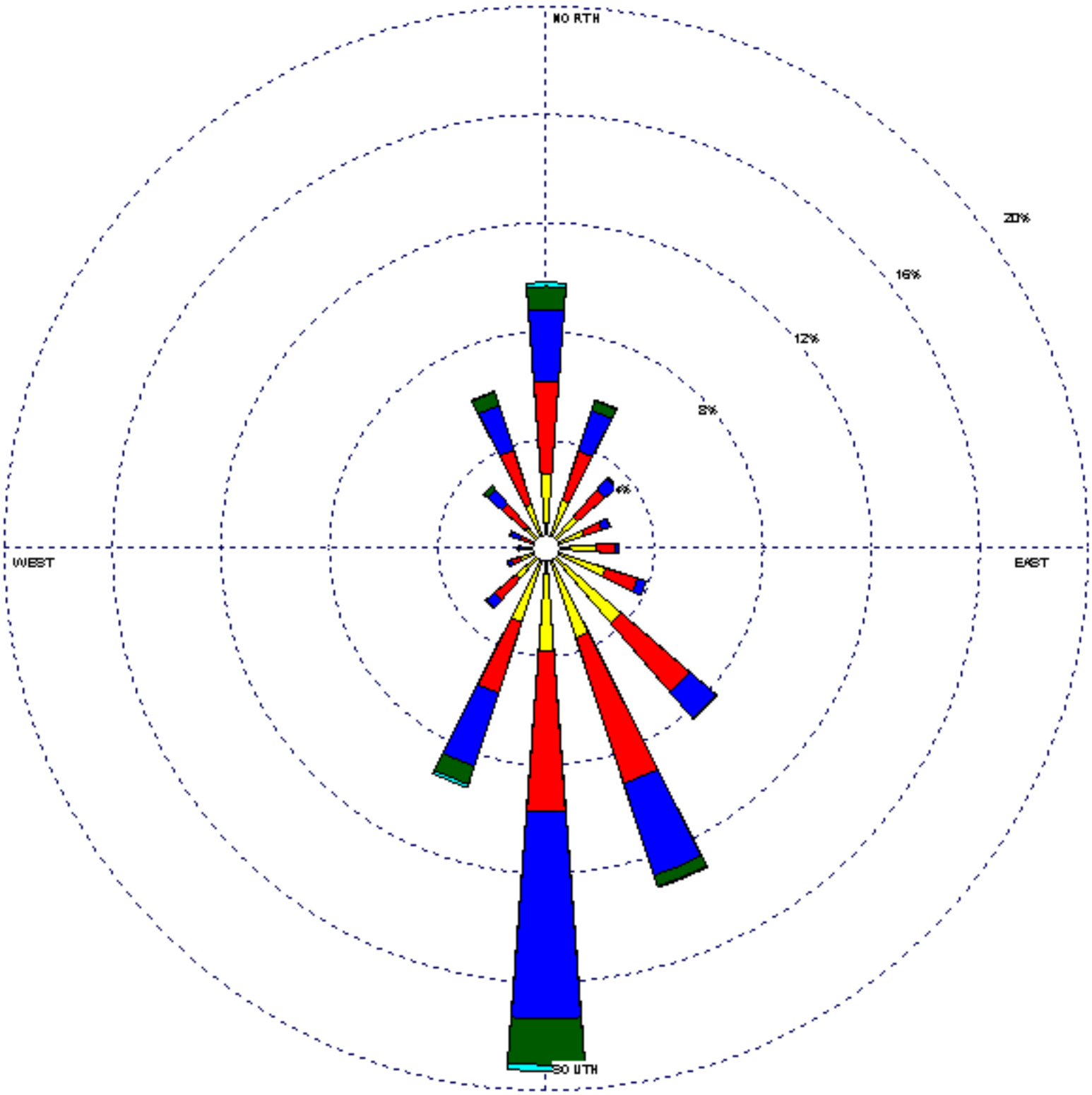
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY: Wind Speed	UNIT: m/s	COMMENTS
AVG. WIND SPEED: 4.46 m/s	CALM WINDS: 6.40%	
ORIENTATION: Direction (blowing from)	PLOT YEAR-DATE-TIME: 1961 Sep 1 - Sep 30 Midnight - 11 PM	

WIND ROSE PLOT

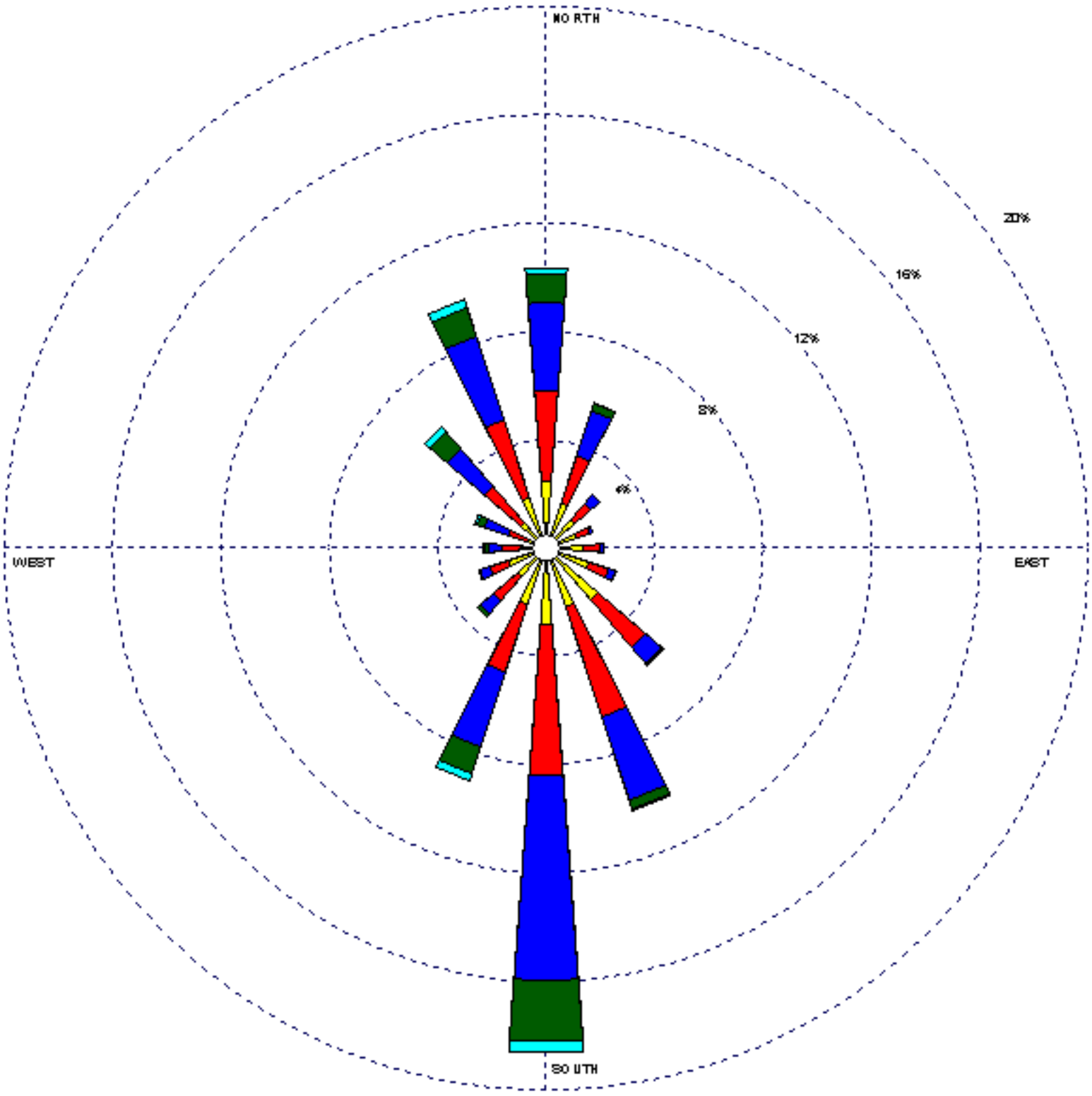
Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



Wind Speed (m/s)	MODELER	DATE	COMPANY NAME
> 11.06 8.49 - 11.06 5.40 - 8.49 3.34 - 5.40 1.80 - 3.34 0.51 - 1.80	Sara West	8/29/2002	USDA-ARS
	DISPLAY Wind Speed	UNIT m/s	COMMENTS
	AVG. WIND SPEED 4.64 m/s	CALM WINDS 5.54%	
	ORIENTATION Direction (blowing from)	PLOT YEAR-DATE-TIME 1961 Oct 1 - Oct 31 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



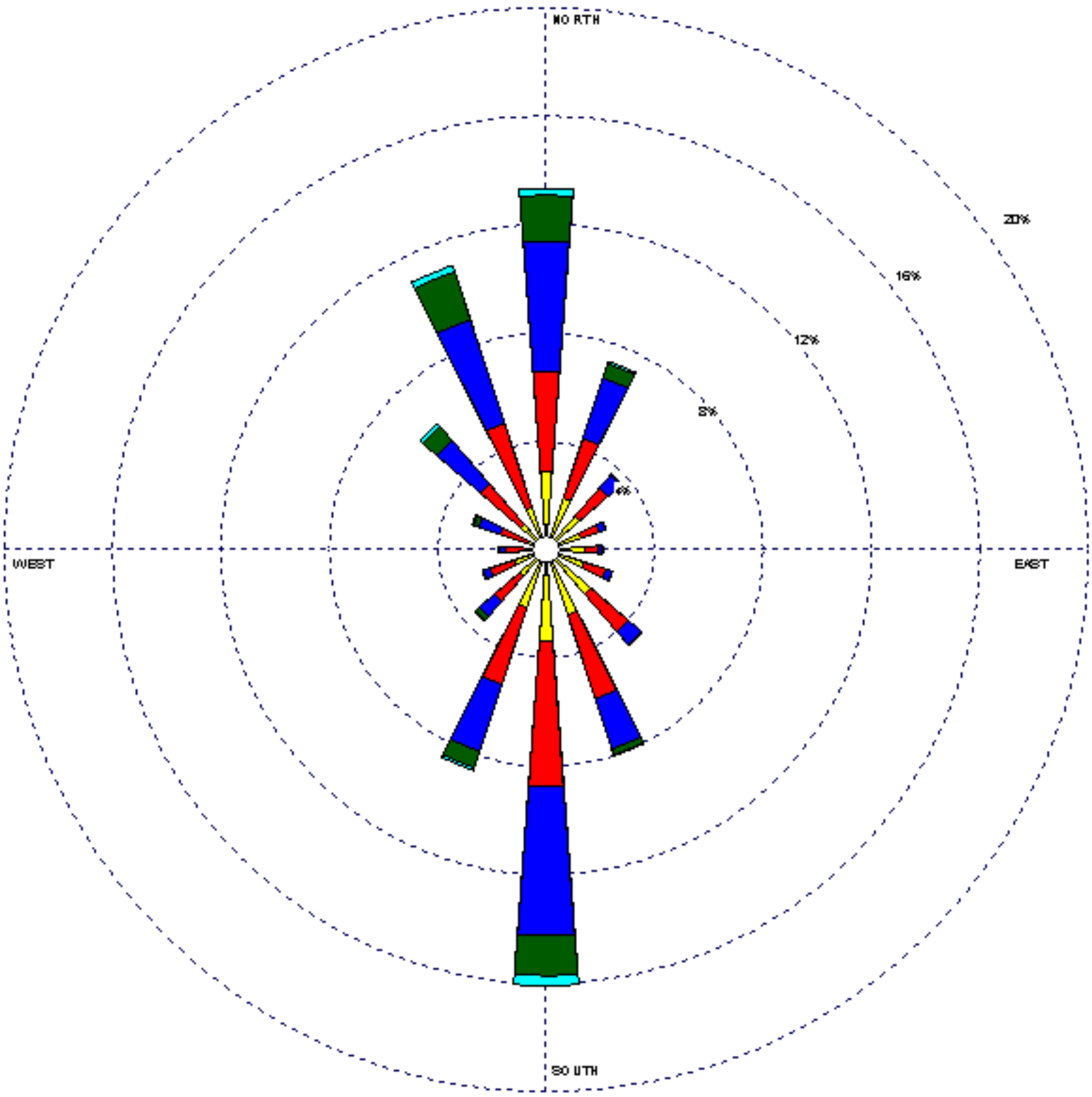
Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY	**UNIT**	**COMMENTS**
Wind Speed	m/s	
AVG. WIND SPEED	**CALM WINDS**	
5.08 m/s	4.40%	
ORIENTATION	**PLOT YEAR-DATE-TIME**	
Direction (blowing from)	1961 Nov 1 - Nov 30 Midnight - 11 PM	

WIND ROSE PLOT

Station #03927 - DALLAS/FORT WORTH/REGIONAL AR, TX



Wind Speed (m/s)

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

MODELER	DATE	COMPANY NAME
Sara West	8/29/2002	USDA-ARS
DISPLAY: Wind Speed	UNIT: m/s	COMMENTS
AVG. WIND SPEED: 5.03 m/s	CALM WINDS: 3.35%	
ORIENTATION: Direction (blowing from)	PLOT YEAR-DATE-TIME: 1961 Dec 1 - Dec 31 Midnight - 11 PM	

Attachment R

List of Parameters above MAL

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	3.49	2	µg/L	7/1/2021
COPPER	3.49	2	µg/L	7/1/2021
COPPER	2.88	2	µg/L	7/5/2021
COPPER	2.88	2	µg/L	7/5/2021
COPPER	4.37	2	µg/L	7/7/2021
COPPER	4.37	2	µg/L	7/7/2021
COPPER	2.67	2	µg/L	7/12/2021
COPPER	2.67	2	µg/L	7/12/2021
COPPER	4	2	µg/L	7/15/2021
COPPER	4	2	µg/L	7/15/2021
COPPER	3.15	2	µg/L	7/19/2021
COPPER	3.15	2	µg/L	7/19/2021
COPPER	2.76	2	µg/L	7/22/2021
COPPER	2.76	2	µg/L	7/22/2021
COPPER	3.02	2	µg/L	7/26/2021
COPPER	3.02	2	µg/L	7/26/2021
COPPER	4.33	2	µg/L	7/29/2021
COPPER	4.33	2	µg/L	7/29/2021
COPPER	5.38	2	µg/L	8/2/2021
COPPER	5.38	2	µg/L	8/2/2021
COPPER	3.71	2	µg/L	8/5/2021
COPPER	3.71	2	µg/L	8/5/2021
COPPER	4.27	2	µg/L	8/9/2021
COPPER	4.27	2	µg/L	8/9/2021
COPPER	4.28	2	µg/L	8/12/2021
COPPER	4.28	2	µg/L	8/12/2021
COPPER	5.77	2	µg/L	8/16/2021
COPPER	5.77	2	µg/L	8/16/2021
COPPER	5.18	2	µg/L	8/19/2021
COPPER	5.18	2	µg/L	8/19/2021
COPPER	3.9	2	µg/L	8/23/2021
COPPER	3.9	2	µg/L	8/23/2021
COPPER	4.96	2	µg/L	8/27/2021
COPPER	4.96	2	µg/L	8/27/2021
COPPER	4.56	2	µg/L	8/30/2021
COPPER	4.56	2	µg/L	8/30/2021
COPPER	8.22	2	µg/L	9/2/2021
COPPER	8.22	2	µg/L	9/2/2021
COPPER	4.04	2	µg/L	9/7/2021
COPPER	4.04	2	µg/L	9/7/2021

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	5.31	2	µg/L	9/9/2021
COPPER	5.31	2	µg/L	9/9/2021
COPPER	5.58	2	µg/L	9/13/2021
COPPER	5.58	2	µg/L	9/13/2021
COPPER	4.88	2	µg/L	9/16/2021
COPPER	4.88	2	µg/L	9/16/2021
COPPER	10.7	2	µg/L	9/20/2021
COPPER	10.7	2	µg/L	9/20/2021
COPPER	6.25	2	µg/L	9/23/2021
COPPER	6.25	2	µg/L	9/23/2021
COPPER	5.06	2	µg/L	9/27/2021
COPPER	5.06	2	µg/L	9/27/2021
COPPER	5.07	2	µg/L	9/30/2021
COPPER	5.07	2	µg/L	9/30/2021
COPPER	5.65	2	µg/L	10/4/2021
COPPER	5.65	2	µg/L	10/4/2021
COPPER	5.76	2	µg/L	10/7/2021
COPPER	5.76	2	µg/L	10/7/2021
COPPER	5.48	2	µg/L	10/11/2021
COPPER	5.48	2	µg/L	10/11/2021
COPPER	7.33	2	µg/L	10/14/2021
COPPER	7.33	2	µg/L	10/14/2021
COPPER	10.1	2	µg/L	10/18/2021
COPPER	10.1	2	µg/L	10/18/2021
COPPER	6.03	2	µg/L	10/21/2021
COPPER	6.03	2	µg/L	10/21/2021
COPPER	13.4	2	µg/L	10/25/2021
COPPER	13.4	2	µg/L	10/25/2021
COPPER	6.83	2	µg/L	10/27/2021
COPPER	6.83	2	µg/L	10/27/2021
COPPER	5.19	2	µg/L	11/1/2021
COPPER	5.19	2	µg/L	11/1/2021
COPPER	6.72	2	µg/L	11/4/2021
COPPER	6.72	2	µg/L	11/4/2021
COPPER	4.86	2	µg/L	11/8/2021
COPPER	4.86	2	µg/L	11/8/2021
COPPER	5.28	2	µg/L	11/10/2021
COPPER	5.28	2	µg/L	11/10/2021
COPPER	6.08	2	µg/L	11/15/2021
COPPER	6.08	2	µg/L	11/15/2021

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	5.74	2	µg/L	11/18/2021
COPPER	5.74	2	µg/L	11/18/2021
COPPER	4.91	2	µg/L	11/22/2021
COPPER	4.91	2	µg/L	11/22/2021
COPPER	5.77	2	µg/L	11/24/2021
COPPER	5.77	2	µg/L	11/24/2021
ARSENIC	1.13	0.5	µg/L	11/29/2021
ARSENIC	1.13	0.5	µg/L	11/29/2021
COPPER	6.48	2	µg/L	11/29/2021
COPPER	5.98	2	µg/L	11/29/2021
COPPER	5.98	2	µg/L	11/29/2021
COPPER	6.48	2	µg/L	11/29/2021
MERCURY	0.00112	0.005/0.0005	µg/L	11/29/2021
MERCURY	0.00112	0.005/0.0005	µg/L	11/29/2021
NICKEL	2.02	2	µg/L	11/29/2021
NICKEL	2.02	2	µg/L	11/29/2021
ZINC	60.4	5	µg/L	11/29/2021
ZINC	60.4	5	µg/L	11/29/2021
COPPER	6.42	2	µg/L	12/2/2021
COPPER	6.42	2	µg/L	12/2/2021
COPPER	5.27	2	µg/L	12/6/2021
COPPER	5.27	2	µg/L	12/6/2021
COPPER	7.99	2	µg/L	12/9/2021
COPPER	7.99	2	µg/L	12/9/2021
COPPER	5.69	2	µg/L	12/13/2021
COPPER	5.69	2	µg/L	12/13/2021
COPPER	6.29	2	µg/L	12/16/2021
COPPER	6.29	2	µg/L	12/16/2021
COPPER	5.28	2	µg/L	12/20/2021
COPPER	5.28	2	µg/L	12/20/2021
COPPER	5.37	2	µg/L	12/22/2021
COPPER	5.37	2	µg/L	12/22/2021
COPPER	6.31	2	µg/L	12/27/2021
COPPER	6.31	2	µg/L	12/27/2021
COPPER	4.93	2	µg/L	12/30/2021
COPPER	4.93	2	µg/L	12/30/2021
COPPER	9.08	2	µg/L	1/3/2022
COPPER	9.08	2	µg/L	1/3/2022
COPPER	5.35	2	µg/L	1/6/2022
COPPER	5.35	2	µg/L	1/6/2022

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	4.99	2	µg/L	1/10/2022
COPPER	4.99	2	µg/L	1/10/2022
COPPER	5.33	2	µg/L	1/13/2022
COPPER	5.33	2	µg/L	1/13/2022
COPPER	7.16	2	µg/L	1/17/2022
COPPER	7.16	2	µg/L	1/17/2022
COPPER	8.11	2	µg/L	1/20/2022
COPPER	8.11	2	µg/L	1/20/2022
COPPER	14.8	2	µg/L	1/24/2022
COPPER	14.8	2	µg/L	1/24/2022
COPPER	5.16	2	µg/L	1/27/2022
COPPER	5.16	2	µg/L	1/27/2022
COPPER	5.07	2	µg/L	1/31/2022
COPPER	5.07	2	µg/L	1/31/2022
COPPER	4.11	2	µg/L	2/7/2022
COPPER	4.11	2	µg/L	2/7/2022
COPPER	4.18	2	µg/L	2/10/2022
COPPER	4.18	2	µg/L	2/10/2022
COPPER	4.6	2	µg/L	2/14/2022
COPPER	4.6	2	µg/L	2/14/2022
COPPER	4.5	2	µg/L	2/17/2022
COPPER	4.5	2	µg/L	2/17/2022
COPPER	4.58	2	µg/L	2/21/2022
COPPER	4.58	2	µg/L	2/21/2022
COPPER	5.04	2	µg/L	2/24/2022
COPPER	5.04	2	µg/L	2/24/2022
COPPER	4.36	2	µg/L	2/28/2022
COPPER	4.36	2	µg/L	2/28/2022
COPPER	4.33	2	µg/L	3/3/2022
COPPER	4.33	2	µg/L	3/3/2022
COPPER	3.49	2	µg/L	3/7/2022
COPPER	3.49	2	µg/L	3/7/2022
COPPER	7.98	2	µg/L	3/10/2022
COPPER	7.98	2	µg/L	3/10/2022
COPPER	6.34	2	µg/L	3/14/2022
COPPER	6.34	2	µg/L	3/14/2022
COPPER	41.6	2	µg/L	3/17/2022
COPPER	41.6	2	µg/L	3/17/2022
COPPER	5.37	2	µg/L	3/21/2022
COPPER	5.37	2	µg/L	3/21/2022

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	4.19	2	µg/L	3/24/2022
COPPER	4.19	2	µg/L	3/24/2022
COPPER	6.93	2	µg/L	3/28/2022
COPPER	6.93	2	µg/L	3/28/2022
COPPER	5.49	2	µg/L	3/30/2022
COPPER	5.49	2	µg/L	3/30/2022
ARSENIC	1.28	0.5	µg/L	3/31/2022
ARSENIC	1.28	0.5	µg/L	3/31/2022
COPPER	5.14	2	µg/L	3/31/2022
COPPER	5.14	2	µg/L	3/31/2022
LEAD	0.534	0.5	µg/L	3/31/2022
LEAD	0.534	0.5	µg/L	3/31/2022
MERCURY	0.00505	0.005/0.0005	µg/L	3/31/2022
MERCURY	0.00505	0.005/0.0005	µg/L	3/31/2022
NICKEL	2.94	2	µg/L	3/31/2022
NICKEL	2.94	2	µg/L	3/31/2022
ZINC	55.2	5	µg/L	3/31/2022
ZINC	55.2	5	µg/L	3/31/2022
PHENOLS, TOTAL	21.3	Not Listed	µg/L	3/31/2022
PHENOLS, TOTAL	21.3	10	µg/L	3/31/2022
NITROBENZENE	32600	10	µg/L	3/31/2022
NITROBENZENE	33200	10	µg/L	3/31/2022
ALUMINUM	90.3	2.5	µg/L	3/31/2022
BARIUM	41.3	3	µg/L	3/31/2022
DICOFOL (KELTHANE)	0.0743	1	µg/L	3/31/2022
NITRATE-N	3920	100	µg/L	3/31/2022
COPPER	6.22	2	µg/L	4/4/2022
COPPER	6.22	2	µg/L	4/4/2022
COPPER	5.63	2	µg/L	4/7/2022
COPPER	5.63	2	µg/L	4/7/2022
COPPER	5.02	2	µg/L	4/11/2022
COPPER	5.02	2	µg/L	4/11/2022
COPPER	7.26	2	µg/L	4/14/2022
COPPER	7.26	2	µg/L	4/14/2022
COPPER	6.13	2	µg/L	4/18/2022
COPPER	6.13	2	µg/L	4/18/2022
COPPER	6.08	2	µg/L	4/21/2022
COPPER	6.08	2	µg/L	4/21/2022
COPPER	6.66	2	µg/L	4/25/2022
COPPER	6.66	2	µg/L	4/25/2022

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	6.53	2	µg/L	4/28/2022
COPPER	6.53	2	µg/L	4/28/2022
COPPER	5.78	2	µg/L	5/2/2022
COPPER	5.78	2	µg/L	5/2/2022
COPPER	5.78	2	µg/L	5/2/2022
COPPER	5.78	2	µg/L	5/2/2022
COPPER	6.52	2	µg/L	5/5/2022
COPPER	6.52	2	µg/L	5/5/2022
COPPER	6.52	2	µg/L	5/5/2022
COPPER	6.52	2	µg/L	5/5/2022
COPPER	4.91	2	µg/L	5/9/2022
COPPER	4.91	2	µg/L	5/9/2022
COPPER	4.91	2	µg/L	5/9/2022
COPPER	4.91	2	µg/L	5/9/2022
COPPER	6.05	2	µg/L	5/12/2022
COPPER	6.05	2	µg/L	5/12/2022
COPPER	6.05	2	µg/L	5/12/2022
COPPER	6.05	2	µg/L	5/12/2022
COPPER	4.81	2	µg/L	5/16/2022
COPPER	4.81	2	µg/L	5/16/2022
COPPER	4.81	2	µg/L	5/16/2022
COPPER	4.81	2	µg/L	5/16/2022
COPPER	2.68	2	µg/L	5/19/2022
COPPER	2.68	2	µg/L	5/19/2022
COPPER	2.68	2	µg/L	5/19/2022
COPPER	2.68	2	µg/L	5/19/2022
COPPER	4.35	2	µg/L	5/23/2022
COPPER	4.35	2	µg/L	5/23/2022
COPPER	4.35	2	µg/L	5/23/2022
COPPER	4.35	2	µg/L	5/23/2022
COPPER	4.15	2	µg/L	5/26/2022
COPPER	4.15	2	µg/L	5/26/2022
COPPER	4.15	2	µg/L	5/26/2022
COPPER	4.15	2	µg/L	5/26/2022
COPPER	3.53	2	µg/L	5/30/2022
COPPER	3.53	2	µg/L	5/30/2022
COPPER	3.53	2	µg/L	5/30/2022
COPPER	3.53	2	µg/L	5/30/2022
COPPER	5.44	2	µg/L	6/2/2022
COPPER	5.44	2	µg/L	6/2/2022

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	5.03	2	µg/L	6/6/2022
COPPER	5.03	2	µg/L	6/6/2022
COPPER	5.45	2	µg/L	6/9/2022
COPPER	5.45	2	µg/L	6/9/2022
COPPER	4.89	2	µg/L	6/13/2022
COPPER	4.89	2	µg/L	6/13/2022
COPPER	13	2	µg/L	6/16/2022
COPPER	13	2	µg/L	6/16/2022
COPPER	6.41	2	µg/L	6/20/2022
COPPER	6.41	2	µg/L	6/20/2022
COPPER	8.23	2	µg/L	6/23/2022
COPPER	8.23	2	µg/L	6/23/2022
COPPER	7.29	2	µg/L	6/27/2022
COPPER	7.29	2	µg/L	6/27/2022
COPPER	8.31	2	µg/L	6/29/2022
COPPER	8.31	2	µg/L	6/29/2022
COPPER	8.89	2	µg/L	7/4/2022
COPPER	8.89	2	µg/L	7/4/2022
COPPER	7.72	2	µg/L	7/7/2022
COPPER	7.72	2	µg/L	7/7/2022
COPPER	5.88	2	µg/L	7/11/2022
COPPER	5.88	2	µg/L	7/11/2022
COPPER	11.4	2	µg/L	7/14/2022
COPPER	11.4	2	µg/L	7/14/2022
COPPER	5.47	2	µg/L	7/18/2022
COPPER	5.47	2	µg/L	7/18/2022
COPPER	5.5	2	µg/L	7/21/2022
COPPER	5.5	2	µg/L	7/21/2022
COPPER	8.15	2	µg/L	7/26/2022
COPPER	8.15	2	µg/L	7/26/2022
COPPER	10.1	2	µg/L	7/28/2022
COPPER	10.1	2	µg/L	7/28/2022
COPPER	7.23	2	µg/L	8/2/2022
COPPER	7.23	2	µg/L	8/2/2022
COPPER	5.77	2	µg/L	8/4/2022
COPPER	5.77	2	µg/L	8/4/2022
COPPER	12.2	2	µg/L	8/11/2022
COPPER	12.2	2	µg/L	8/11/2022
COPPER	7.88	2	µg/L	8/12/2022
COPPER	7.88	2	µg/L	8/12/2022

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	8.21	2	µg/L	8/15/2022
COPPER	8.21	2	µg/L	8/15/2022
COPPER	19.8	2	µg/L	8/18/2022
COPPER	19.8	2	µg/L	8/18/2022
COPPER	8.64	2	µg/L	8/22/2022
COPPER	8.64	2	µg/L	8/22/2022
COPPER	5.4	2	µg/L	8/25/2022
COPPER	5.4	2	µg/L	8/25/2022
COPPER	5.39	2	µg/L	8/29/2022
COPPER	5.39	2	µg/L	8/29/2022
COPPER	4.1	2	µg/L	9/1/2022
COPPER	4.1	2	µg/L	9/1/2022
COPPER	3.87	2	µg/L	9/5/2022
COPPER	3.87	2	µg/L	9/5/2022
COPPER	5.65	2	µg/L	9/8/2022
COPPER	5.65	2	µg/L	9/8/2022
COPPER	10.1	2	µg/L	9/12/2022
COPPER	10.1	2	µg/L	9/12/2022
COPPER	4.49	2	µg/L	9/15/2022
COPPER	4.49	2	µg/L	9/15/2022
COPPER	4.46	2	µg/L	9/19/2022
COPPER	4.46	2	µg/L	9/19/2022
COPPER	5.15	2	µg/L	9/22/2022
COPPER	5.15	2	µg/L	9/22/2022
COPPER	5.46	2	µg/L	9/26/2022
COPPER	5.46	2	µg/L	9/26/2022
COPPER	4.62	2	µg/L	9/28/2022
COPPER	4.62	2	µg/L	9/28/2022
COPPER	8.42	2	µg/L	10/3/2022
COPPER	8.42	2	µg/L	10/3/2022
COPPER	10.2	2	µg/L	10/6/2022
COPPER	10.2	2	µg/L	10/6/2022
COPPER	9.45	2	µg/L	10/10/2022
COPPER	9.45	2	µg/L	10/10/2022
COPPER	9.1	2	µg/L	10/13/2022
COPPER	9.1	2	µg/L	10/13/2022
COPPER	11	2	µg/L	10/17/2022
COPPER	11	2	µg/L	10/17/2022
COPPER	7.76	2	µg/L	10/20/2022
COPPER	7.76	2	µg/L	10/20/2022

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Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	9.79	2	µg/L	10/24/2022
COPPER	9.79	2	µg/L	10/24/2022
COPPER	13.7	2	µg/L	10/27/2022
COPPER	13.7	2	µg/L	10/27/2022
COPPER	7.22	2	µg/L	10/31/2022
COPPER	7.22	2	µg/L	10/31/2022
COPPER	8.67	2	µg/L	11/3/2022
COPPER	8.67	2	µg/L	11/3/2022
COPPER	11.1	2	µg/L	11/7/2022
COPPER	11.1	2	µg/L	11/7/2022
COPPER	32.9	2	µg/L	11/10/2022
COPPER	32.9	2	µg/L	11/10/2022
COPPER	29.9	2	µg/L	11/14/2022
COPPER	29.9	2	µg/L	11/14/2022
COPPER	6.08	2	µg/L	11/17/2022
COPPER	6.08	2	µg/L	11/17/2022
COPPER	6.43	2	µg/L	11/21/2022
COPPER	6.43	2	µg/L	11/21/2022
COPPER	7.36	2	µg/L	11/23/2022
COPPER	7.36	2	µg/L	11/23/2022
COPPER	4.74	2	µg/L	11/28/2022
COPPER	4.74	2	µg/L	11/28/2022
COPPER	8.76	2	µg/L	12/1/2022
COPPER	8.76	2	µg/L	12/1/2022
COPPER	7.79	2	µg/L	12/5/2022
COPPER	7.79	2	µg/L	12/5/2022
COPPER	7.1	2	µg/L	12/8/2022
COPPER	7.1	2	µg/L	12/8/2022
COPPER	4	2	µg/L	12/12/2022
COPPER	4	2	µg/L	12/12/2022
COPPER	5.11	2	µg/L	12/15/2022
COPPER	5.11	2	µg/L	12/15/2022
COPPER	224	2	µg/L	12/19/2022
COPPER	224	2	µg/L	12/19/2022
COPPER	6.19	2	µg/L	12/22/2022
COPPER	6.19	2	µg/L	12/22/2022
COPPER	5.15	2	µg/L	12/26/2022
COPPER	5.15	2	µg/L	12/26/2022
ARSENIC	1.63	0.5	µg/L	12/29/2022
ARSENIC	1.63	0.5	µg/L	12/29/2022

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Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	4.45	2	µg/L	12/29/2022
COPPER	3.86	2	µg/L	12/29/2022
COPPER	4.45	2	µg/L	12/29/2022
COPPER	3.86	2	µg/L	12/29/2022
LEAD	0.167	0.5	µg/L	12/29/2022
LEAD	0.167	0.5	µg/L	12/29/2022
MERCURY	0.0118	0.005/0.0005	µg/L	12/29/2022
MERCURY	0.0118	0.005/0.0005	µg/L	12/29/2022
NICKEL	1.59	2	µg/L	12/29/2022
NICKEL	1.59	2	µg/L	12/29/2022
ZINC	29.1	5	µg/L	12/29/2022
ZINC	29.1	5	µg/L	12/29/2022
CYANIDE, TOTAL	2.74	10	µg/L	12/29/2022
CYANIDE, TOTAL	2.74	10	µg/L	12/29/2022
COPPER	7.1	2	µg/L	1/2/2023
COPPER	7.1	2	µg/L	1/2/2023
COPPER	10.7	2	µg/L	1/3/2023
COPPER	10.7	2	µg/L	1/3/2023
COPPER	5.5	2	µg/L	1/9/2023
COPPER	5.5	2	µg/L	1/9/2023
COPPER	5.27	2	µg/L	1/12/2023
COPPER	5.27	2	µg/L	1/12/2023
COPPER	4.99	2	µg/L	1/16/2023
COPPER	4.99	2	µg/L	1/16/2023
COPPER	6.9	2	µg/L	1/19/2023
COPPER	6.9	2	µg/L	1/19/2023
COPPER	5.9	2	µg/L	1/23/2023
COPPER	5.9	2	µg/L	1/23/2023
COPPER	4.42	2	µg/L	1/26/2023
COPPER	4.42	2	µg/L	1/26/2023
COPPER	5.01	2	µg/L	1/30/2023
COPPER	5.01	2	µg/L	1/30/2023
COPPER	5.48	2	µg/L	2/2/2023
COPPER	5.48	2	µg/L	2/2/2023
COPPER	5.61	2	µg/L	2/6/2023
COPPER	5.61	2	µg/L	2/6/2023
COPPER	4.83	2	µg/L	2/9/2023
COPPER	4.83	2	µg/L	2/9/2023
COPPER	5.06	2	µg/L	2/13/2023
COPPER	5.06	2	µg/L	2/13/2023

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Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	5.23	2	µg/L	2/16/2023
COPPER	5.23	2	µg/L	2/16/2023
COPPER	17.2	2	µg/L	2/21/2023
COPPER	17.2	2	µg/L	2/21/2023
COPPER	6.51	2	µg/L	2/23/2023
COPPER	6.51	2	µg/L	2/23/2023
COPPER	7.23	2	µg/L	2/27/2023
COPPER	7.23	2	µg/L	2/27/2023
COPPER	9.19	2	µg/L	3/2/2023
COPPER	9.19	2	µg/L	3/2/2023
COPPER	16.7	2	µg/L	3/6/2023
COPPER	16.7	2	µg/L	3/6/2023
COPPER	9.36	2	µg/L	3/9/2023
COPPER	9.36	2	µg/L	3/9/2023
COPPER	3.93	2	µg/L	3/13/2023
COPPER	3.93	2	µg/L	3/13/2023
COPPER	10.2	2	µg/L	3/16/2023
COPPER	10.2	2	µg/L	3/16/2023
COPPER	8.57	2	µg/L	3/20/2023
COPPER	8.57	2	µg/L	3/20/2023
COPPER	7.92	2	µg/L	3/23/2023
COPPER	7.92	2	µg/L	3/23/2023
COPPER	6.39	2	µg/L	3/27/2023
COPPER	6.39	2	µg/L	3/27/2023
COPPER	8.94	2	µg/L	3/30/2023
COPPER	8.94	2	µg/L	3/30/2023
COPPER	8.94	2	µg/L	4/3/2023
COPPER	8.94	2	µg/L	4/3/2023
COPPER	10.2	2	µg/L	4/6/2023
COPPER	10.2	2	µg/L	4/6/2023
COPPER	10.4	2	µg/L	4/10/2023
COPPER	10.4	2	µg/L	4/10/2023
COPPER	9.27	2	µg/L	4/13/2023
COPPER	9.27	2	µg/L	4/13/2023
COPPER	10.2	2	µg/L	4/17/2023
COPPER	10.2	2	µg/L	4/17/2023
COPPER	16.1	2	µg/L	4/20/2023
COPPER	16.1	2	µg/L	4/20/2023
COPPER	12.7	2	µg/L	4/24/2023
COPPER	12.7	2	µg/L	4/24/2023

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
ARSENIC	1.14	0.5	µg/L	4/25/2023
ARSENIC	1.14	0.5	µg/L	4/25/2023
CHROMIUM	2.24	3	µg/L	4/25/2023
CHROMIUM	2.24	3	µg/L	4/25/2023
COPPER	9.53	2	µg/L	4/25/2023
COPPER	8.56	2	µg/L	4/25/2023
COPPER	9.53	2	µg/L	4/25/2023
COPPER	8.56	2	µg/L	4/25/2023
LEAD	0.424	0.5	µg/L	4/25/2023
LEAD	0.424	0.5	µg/L	4/25/2023
MERCURY	0.00316	0.005/0.0005	µg/L	4/25/2023
MERCURY	0.00316	0.005/0.0005	µg/L	4/25/2023
NICKEL	3.14	2	µg/L	4/25/2023
NICKEL	3.14	2	µg/L	4/25/2023
SELENIUM	0.763	5	µg/L	4/25/2023
SELENIUM	0.763	5	µg/L	4/25/2023
ZINC	41.1	5	µg/L	4/25/2023
ZINC	41.1	5	µg/L	4/25/2023
PHENOLS, TOTAL	22.7	10	µg/L	4/25/2023
PHENOLS, TOTAL	22.7	Not Listed	µg/L	4/25/2023
ALUMINUM	54.7	2.5	µg/L	4/25/2023
BARIUM	47.3	3	µg/L	4/25/2023
DIURON	0.0585	0.09	µg/L	4/25/2023
FLUORIDE	148	500	µg/L	4/25/2023
NITRATE-N	5430	100	µg/L	4/25/2023
COPPER	4.53	2	µg/L	5/1/2023
COPPER	4.53	2	µg/L	5/1/2023
COPPER	7.02	2	µg/L	5/4/2023
COPPER	7.02	2	µg/L	5/4/2023
COPPER	6.33	2	µg/L	5/8/2023
COPPER	6.33	2	µg/L	5/8/2023
COPPER	20.6	2	µg/L	5/11/2023
COPPER	20.6	2	µg/L	5/11/2023
COPPER	6.57	2	µg/L	5/15/2023
COPPER	6.57	2	µg/L	5/15/2023
COPPER	11.7	2	µg/L	5/18/2023
COPPER	11.7	2	µg/L	5/18/2023
COPPER	6.65	2	µg/L	5/22/2023
COPPER	6.65	2	µg/L	5/22/2023
COPPER	6.55	2	µg/L	5/25/2023

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	6.55	2	µg/L	5/25/2023
COPPER	5.94	2	µg/L	5/29/2023
COPPER	5.94	2	µg/L	5/29/2023
COPPER	5.77	2	µg/L	6/1/2023
COPPER	5.77	2	µg/L	6/1/2023
COPPER	3.24	2	µg/L	6/5/2023
COPPER	3.24	2	µg/L	6/5/2023
COPPER	4.78	2	µg/L	6/8/2023
COPPER	4.78	2	µg/L	6/8/2023
COPPER	5.06	2	µg/L	6/12/2023
COPPER	5.06	2	µg/L	6/12/2023
COPPER	3.33	2	µg/L	6/15/2023
COPPER	3.33	2	µg/L	6/15/2023
COPPER	3.64	2	µg/L	6/19/2023
COPPER	3.64	2	µg/L	6/19/2023
COPPER	3.28	2	µg/L	6/22/2023
COPPER	3.28	2	µg/L	6/22/2023
COPPER	6.27	2	µg/L	6/26/2023
COPPER	6.27	2	µg/L	6/26/2023
COPPER	7.92	2	µg/L	6/29/2023
COPPER	7.92	2	µg/L	6/29/2023
COPPER	7.81	2	µg/L	7/3/2023
COPPER	7.81	2	µg/L	7/3/2023
COPPER	5.58	2	µg/L	7/6/2023
COPPER	5.58	2	µg/L	7/6/2023
COPPER	52.8	2	µg/L	7/10/2023
COPPER	52.8	2	µg/L	7/10/2023
COPPER	16.5	2	µg/L	7/13/2023
COPPER	16.5	2	µg/L	7/13/2023
COPPER	11.3	2	µg/L	7/17/2023
COPPER	11.3	2	µg/L	7/17/2023
COPPER	4.51	2	µg/L	7/20/2023
COPPER	4.51	2	µg/L	7/20/2023
COPPER	5.02	2	µg/L	7/24/2023
COPPER	5.02	2	µg/L	7/24/2023
COPPER	4.89	2	µg/L	7/27/2023
COPPER	4.89	2	µg/L	7/27/2023
COPPER	5.35	2	µg/L	8/1/2023
COPPER	5.35	2	µg/L	8/1/2023
COPPER	69	2	µg/L	8/3/2023

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	69	2	µg/L	8/3/2023
COPPER	8.6	2	µg/L	8/7/2023
COPPER	8.6	2	µg/L	8/7/2023
COPPER	7.98	2	µg/L	8/10/2023
COPPER	7.98	2	µg/L	8/10/2023
COPPER	3.71	2	µg/L	8/14/2023
COPPER	3.71	2	µg/L	8/14/2023
COPPER	5.7	2	µg/L	8/17/2023
COPPER	5.7	2	µg/L	8/17/2023
COPPER	11.3	2	µg/L	8/21/2023
COPPER	11.3	2	µg/L	8/21/2023
COPPER	5.5	2	µg/L	8/24/2023
COPPER	5.5	2	µg/L	8/24/2023
COPPER	5.39	2	µg/L	8/28/2023
COPPER	5.39	2	µg/L	8/28/2023
COPPER	7.38	2	µg/L	8/31/2023
COPPER	7.38	2	µg/L	8/31/2023
COPPER	14	2	µg/L	9/4/2023
COPPER	14	2	µg/L	9/4/2023
COPPER	6.45	2	µg/L	9/7/2023
COPPER	6.45	2	µg/L	9/7/2023
COPPER	7.83	2	µg/L	9/11/2023
COPPER	7.83	2	µg/L	9/11/2023
COPPER	4.93	2	µg/L	9/14/2023
COPPER	4.93	2	µg/L	9/14/2023
COPPER	6.5	2	µg/L	9/18/2023
COPPER	6.5	2	µg/L	9/18/2023
COPPER	4.53	2	µg/L	9/21/2023
COPPER	4.53	2	µg/L	9/21/2023
COPPER	33	2	µg/L	9/25/2023
COPPER	33	2	µg/L	9/25/2023
COPPER	3.22	2	µg/L	9/28/2023
COPPER	3.22	2	µg/L	9/28/2023
COPPER	3.4	2	µg/L	10/2/2023
COPPER	3.4	2	µg/L	10/2/2023
COPPER	4.66	2	µg/L	10/5/2023
COPPER	4.66	2	µg/L	10/5/2023
COPPER	3.16	2	µg/L	10/9/2023
COPPER	3.16	2	µg/L	10/9/2023
COPPER	5.34	2	µg/L	10/12/2023

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Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	5.34	2	µg/L	10/12/2023
COPPER	3.58	2	µg/L	10/16/2023
COPPER	3.58	2	µg/L	10/16/2023
COPPER	6.79	2	µg/L	10/19/2023
COPPER	6.79	2	µg/L	10/19/2023
COPPER	6.06	2	µg/L	10/23/2023
COPPER	6.06	2	µg/L	10/23/2023
COPPER	5.76	2	µg/L	10/26/2023
COPPER	5.76	2	µg/L	10/26/2023
COPPER	29.3	2	µg/L	10/31/2023
COPPER	29.3	2	µg/L	10/31/2023
COPPER	12.6	2	µg/L	11/2/2023
COPPER	12.6	2	µg/L	11/2/2023
COPPER	9.32	2	µg/L	11/6/2023
COPPER	9.32	2	µg/L	11/6/2023
COPPER	7.29	2	µg/L	11/9/2023
COPPER	7.29	2	µg/L	11/9/2023
COPPER	7.1	2	µg/L	11/13/2023
COPPER	7.1	2	µg/L	11/13/2023
COPPER	6.87	2	µg/L	11/16/2023
COPPER	6.87	2	µg/L	11/16/2023
COPPER	6	2	µg/L	11/20/2023
COPPER	6	2	µg/L	11/20/2023
COPPER	9.71	2	µg/L	11/24/2023
COPPER	9.71	2	µg/L	11/24/2023
COPPER	6.16	2	µg/L	11/27/2023
COPPER	6.16	2	µg/L	11/27/2023
ARSENIC	1.07	0.5	µg/L	11/28/2023
ARSENIC	1.07	0.5	µg/L	11/28/2023
CHROMIUM	1.25	3	µg/L	11/28/2023
CHROMIUM	1.25	3	µg/L	11/28/2023
COPPER	6.67	2	µg/L	11/28/2023
COPPER	5.28	2	µg/L	11/28/2023
COPPER	5.28	2	µg/L	11/28/2023
COPPER	6.67	2	µg/L	11/28/2023
LEAD	0.334	0.5	µg/L	11/28/2023
LEAD	0.334	0.5	µg/L	11/28/2023
MERCURY	0.0516	0.005/0.0005	µg/L	11/28/2023
MERCURY	0.0516	0.005/0.0005	µg/L	11/28/2023
NICKEL	3.56	2	µg/L	11/28/2023

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
NICKEL	3.56	2	µg/L	11/28/2023
ZINC	50.2	5	µg/L	11/28/2023
ZINC	50.2	5	µg/L	11/28/2023
CYANIDE, TOTAL	13.3	10	µg/L	11/28/2023
CYANIDE, TOTAL	13.3	10	µg/L	11/28/2023
COPPER	3.79	2	µg/L	12/4/2023
COPPER	3.79	2	µg/L	12/4/2023
COPPER	5.15	2	µg/L	12/7/2023
COPPER	5.15	2	µg/L	12/7/2023
COPPER	7.43	2	µg/L	12/11/2023
COPPER	7.43	2	µg/L	12/11/2023
COPPER	5.46	2	µg/L	12/14/2023
COPPER	5.46	2	µg/L	12/14/2023
COPPER	2.74	2	µg/L	12/18/2023
COPPER	2.74	2	µg/L	12/18/2023
COPPER	4.36	2	µg/L	12/21/2023
COPPER	4.36	2	µg/L	12/21/2023
COPPER	3.81	2	µg/L	12/25/2023
COPPER	3.81	2	µg/L	12/25/2023
COPPER	4.96	2	µg/L	12/28/2023
COPPER	4.96	2	µg/L	12/28/2023
COPPER	8.73	2	µg/L	1/1/2024
COPPER	8.73	2	µg/L	1/1/2024
COPPER	6.04	2	µg/L	1/4/2024
COPPER	6.04	2	µg/L	1/4/2024
COPPER	3.98	2	µg/L	1/8/2024
COPPER	3.98	2	µg/L	1/8/2024
COPPER	7.81	2	µg/L	1/11/2024
COPPER	7.81	2	µg/L	1/11/2024
COPPER	2.54	2	µg/L	1/15/2024
COPPER	2.54	2	µg/L	1/15/2024
COPPER	4.29	2	µg/L	1/18/2024
COPPER	4.29	2	µg/L	1/18/2024
COPPER	7.44	2	µg/L	1/22/2024
COPPER	7.44	2	µg/L	1/22/2024
COPPER	18.6	2	µg/L	1/25/2024
COPPER	18.6	2	µg/L	1/25/2024
COPPER	9.87	2	µg/L	1/29/2024
COPPER	9.87	2	µg/L	1/29/2024
COPPER	4.93	2	µg/L	1/31/2024

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	4.93	2	µg/L	1/31/2024
COPPER	4.86	2	µg/L	2/5/2024
COPPER	4.86	2	µg/L	2/5/2024
COPPER	5.36	2	µg/L	2/8/2024
COPPER	5.36	2	µg/L	2/8/2024
COPPER	5.42	2	µg/L	2/12/2024
COPPER	5.42	2	µg/L	2/12/2024
COPPER	4.59	2	µg/L	2/15/2024
COPPER	4.59	2	µg/L	2/15/2024
COPPER	4.61	2	µg/L	2/19/2024
COPPER	4.61	2	µg/L	2/19/2024
COPPER	5.9	2	µg/L	2/22/2024
COPPER	5.9	2	µg/L	2/22/2024
COPPER	4.43	2	µg/L	2/26/2024
COPPER	4.43	2	µg/L	2/26/2024
ARSENIC	0.713	0.5	µg/L	2/27/2024
ARSENIC	0.713	0.5	µg/L	2/27/2024
CHROMIUM	1.26	3	µg/L	2/27/2024
CHROMIUM	1.26	3	µg/L	2/27/2024
COPPER	4.19	2	µg/L	2/27/2024
COPPER	3.77	2	µg/L	2/27/2024
COPPER	4.19	2	µg/L	2/27/2024
COPPER	3.77	2	µg/L	2/27/2024
LEAD	0.252	0.5	µg/L	2/27/2024
LEAD	0.252	0.5	µg/L	2/27/2024
MERCURY	0.0447	0.005/0.0005	µg/L	2/27/2024
MERCURY	0.0447	0.005/0.0005	µg/L	2/27/2024
NICKEL	2.51	2	µg/L	2/27/2024
NICKEL	2.51	2	µg/L	2/27/2024
ZINC	26.9	5	µg/L	2/27/2024
ZINC	26.9	5	µg/L	2/27/2024
CHLORPYRIFOS-ETHYL (DURSBAN)	0.0765	0.05	µg/L	2/27/2024
FLUORIDE	247	500	µg/L	2/27/2024
COPPER	6.15	2	µg/L	3/4/2024
COPPER	6.15	2	µg/L	3/4/2024
COPPER	11.3	2	µg/L	3/7/2024
COPPER	11.3	2	µg/L	3/7/2024
COPPER	5.9	2	µg/L	3/11/2024
COPPER	5.9	2	µg/L	3/11/2024
COPPER	7.79	2	µg/L	3/14/2024

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	7.79	2	µg/L	3/14/2024
COPPER	3.99	2	µg/L	3/18/2024
COPPER	3.99	2	µg/L	3/18/2024
COPPER	4.23	2	µg/L	3/21/2024
COPPER	4.23	2	µg/L	3/21/2024
COPPER	5.3	2	µg/L	3/25/2024
COPPER	5.3	2	µg/L	3/25/2024
COPPER	6.15	2	µg/L	3/28/2024
COPPER	6.15	2	µg/L	3/28/2024
COPPER	5.59	2	µg/L	4/1/2024
COPPER	5.59	2	µg/L	4/1/2024
COPPER	5.98	2	µg/L	4/4/2024
COPPER	5.98	2	µg/L	4/4/2024
COPPER	6.46	2	µg/L	4/8/2024
COPPER	6.46	2	µg/L	4/8/2024
COPPER	6.33	2	µg/L	4/11/2024
COPPER	6.33	2	µg/L	4/11/2024
COPPER	5.6	2	µg/L	4/15/2024
COPPER	5.6	2	µg/L	4/15/2024
COPPER	7.28	2	µg/L	4/18/2024
COPPER	7.28	2	µg/L	4/18/2024
COPPER	4.15	2	µg/L	4/22/2024
COPPER	4.15	2	µg/L	4/22/2024
COPPER	4.78	2	µg/L	4/25/2024
COPPER	4.78	2	µg/L	4/25/2024
COPPER	8.52	2	µg/L	4/29/2024
COPPER	8.52	2	µg/L	4/29/2024
COPPER	28.4	2	µg/L	5/2/2024
COPPER	28.4	2	µg/L	5/2/2024
COPPER	7	2	µg/L	5/6/2024
COPPER	7	2	µg/L	5/6/2024
COPPER	12.8	2	µg/L	5/9/2024
COPPER	12.8	2	µg/L	5/9/2024
COPPER	19.1	2	µg/L	5/13/2024
COPPER	19.1	2	µg/L	5/13/2024
CYANIDE, TOTAL	2.11	10	µg/L	5/15/2024
CYANIDE, TOTAL	2.11	10	µg/L	5/15/2024
ALUMINUM	61.7	2.5	µg/L	5/15/2024
BARIUM	50.3	3	µg/L	5/15/2024
NITRATE-N	2740	100	µg/L	5/15/2024

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	12.5	2	µg/L	5/16/2024
COPPER	12.5	2	µg/L	5/16/2024
COPPER	9.29	2	µg/L	5/20/2024
COPPER	9.29	2	µg/L	5/20/2024
COPPER	11.3	2	µg/L	5/23/2024
COPPER	11.3	2	µg/L	5/23/2024
COPPER	9.31	2	µg/L	5/27/2024
COPPER	9.31	2	µg/L	5/27/2024
COPPER	7.55	2	µg/L	5/28/2024
COPPER	7.55	2	µg/L	5/28/2024
COPPER	4.33	2	µg/L	6/3/2024
COPPER	4.33	2	µg/L	6/3/2024
COPPER	6.5	2	µg/L	6/6/2024
COPPER	6.5	2	µg/L	6/6/2024
COPPER	5.92	2	µg/L	6/10/2024
COPPER	5.92	2	µg/L	6/10/2024
COPPER	5.33	2	µg/L	6/13/2024
COPPER	5.33	2	µg/L	6/13/2024
COPPER	5.21	2	µg/L	6/17/2024
COPPER	5.21	2	µg/L	6/17/2024
COPPER	7.12	2	µg/L	6/20/2024
COPPER	7.12	2	µg/L	6/20/2024
COPPER	5.18	2	µg/L	6/24/2024
COPPER	5.18	2	µg/L	6/24/2024
COPPER	5.53	2	µg/L	6/25/2024
COPPER	5.53	2	µg/L	6/25/2024
COPPER	9.28	2	µg/L	7/1/2024
COPPER	9.28	2	µg/L	7/1/2024
COPPER	7.2	2	µg/L	7/4/2024
COPPER	7.2	2	µg/L	7/4/2024
COPPER	6.59	2	µg/L	7/8/2024
COPPER	6.59	2	µg/L	7/8/2024
COPPER	12.8	2	µg/L	7/11/2024
COPPER	12.8	2	µg/L	7/11/2024
COPPER	9.47	2	µg/L	7/15/2024
COPPER	9.47	2	µg/L	7/15/2024
COPPER	8.1	2	µg/L	7/18/2024
COPPER	8.1	2	µg/L	7/18/2024
COPPER	4.24	2	µg/L	7/22/2024
COPPER	4.24	2	µg/L	7/22/2024

Attachment R

Parameters Above MAL

City of Greenville

Wastewater Reclamation Center

Greenville, Hunt County, Texas

Pollutant	Concentration	MAL	Units	Date
COPPER	10	2	µg/L	7/25/2024
COPPER	10	2	µg/L	7/25/2024
COPPER	33.1	2	µg/L	7/29/2024
COPPER	33.1	2	µg/L	7/29/2024

Candice Calhoun

From: Tara Ducrest <TDucrest@hanson-inc.com>
Sent: Friday, December 20, 2024 8:28 AM
To: Candice Calhoun; berwin@ci.greenville.tx.us
Cc: Melanie Gavlik
Subject: RE: Application to Amend Permit No. WQ0010485002 - City of Greenville - Notice of Deficiency
Attachments: 121724_NOD Response_WQ0010485002.pdf; E_Landowner Labels_City of Greenville_WQ0010485002_Avery5160.doc; E_Landowner Map_R1.pdf; Municipal Discharge Amendment Spanish NORI.docx

Ms. Calhoun-Courville,
The response to the 12/17/24 NOD is attached. Please let me know if additional information is needed.
Thank you,

Tara Ducrest | *Environmental Scientist*
Hanson Professional Services Inc. | 4501 Gollihar | Corpus Christi, TX 78411
w 361-414-6487 | c 361-215-3282 | Facebook | Twitter | LinkedIn

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From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Tuesday, December 17, 2024 2:17 PM
To: berwin@ci.greenville.tx.us
Cc: Tara Ducrest <TDucrest@hanson-inc.com>
Subject: Application to Amend Permit No. WQ0010485002 - City of Greenville - Notice of Deficiency
Importance: High

Good afternoon, Mr. Erwin,

The attached Notice of Deficiency (NOD) letter dated **December 17, 2024,** requests additional information needed to declare the application administratively complete. Please send complete response, via email, by **December 31, 2024.**

Please let me know if you have any questions.

Regards,

HANSON
Engineering | Planning | Allied Services

Hanson Professional Services Inc.
4501 Gollihar Road
Corpus Christi, Texas 78411
(361) 814-9900
Fax: (361) 814-4401
www.hanson-inc.com

December 20, 2024

Candice Calhoun-Courville
Applications Review and Processing Team (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

Re: Response to Notice of Deficiency for:
Application to Amend Permit No. WQ0010485002 (EPA I.D. No. TX0055611)
Site Name: City of Greenville WWTP (RN102074770)
Type of Application: Major amendment with renewal

VIA EMAIL

Dear Ms. Calhoun-Courville:

On behalf of the City of Greenville, please see below for responses (in italics) to the notice of deficiency letter sent on December 17, 2024.

1. Administrative Report 1.0

   Section 9, Item B – the site name listed differs from the current permit. The current permit shows the site name to be "City of Greenville WWTP". Please confirm if you are wanting to update the site name or provide an updated section of the application to show the correct site name. If the site name is not changing, please also provide an updated Core Data Form (CDF) and updated Plain Language Summaries, to show the correct site name.

   The City of Greenville is wanting to update the site name to "Greenville Wastewater Reclamation Center."

2. Administrative Report 1.1

   Landowner Map – the scale of map, to measure one-mile downstream or if discharge is into a lake, bay estuary, or affected by tides, ½ mile up & down stream, was not provided. Please provide an updated landowner map to include the map scale. Mailing Labels – Please provide the landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word document.

   An updated Landowner Map including a scale and a Microsoft Word document of the landowner mailing labels are provided as email attachments with this response.

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

   APPLICATION. City of Greenville, P.O. Box 1049, Greenville, Texas 75403, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010485002 (EPA I.D. No. TX0055611) to authorize the increase from 6,000,000 gallons per day to 18,000,000 per day. The domestic wastewater treatment facility is located at 100 Division Street, near the city of Greenville, in Hunt County, Texas 75402. The discharge route is from the plant site to Long Branch; thence to Cowleech Fork Sabine River; thence to Lake Tawakoni. TCEQ received this application on December 13, 2024. The permit application will be available for viewing and copying at W. Walworth Harrison Library, 1 Lou Finney Boulevard, Greenville, in Hunt 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=-96.073888,33.120555&level=18

   Further information may also be obtained from City of Greenville at the address stated above or by calling Mr. Bill Erwin, WWTP Superintendent, at 903-457-2995.

   Please change the W. Walworth Harrison Library address from 1 Lou Finney Boulevard to 1 Lou Finney Lane. The remaining portion of the NORI appears to be free of errors and omissions.

4. 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.

   A Microsoft Word document of the translated NORI, with the requested correction from Boulevard to Lane, is provided as an email attachment with this response.

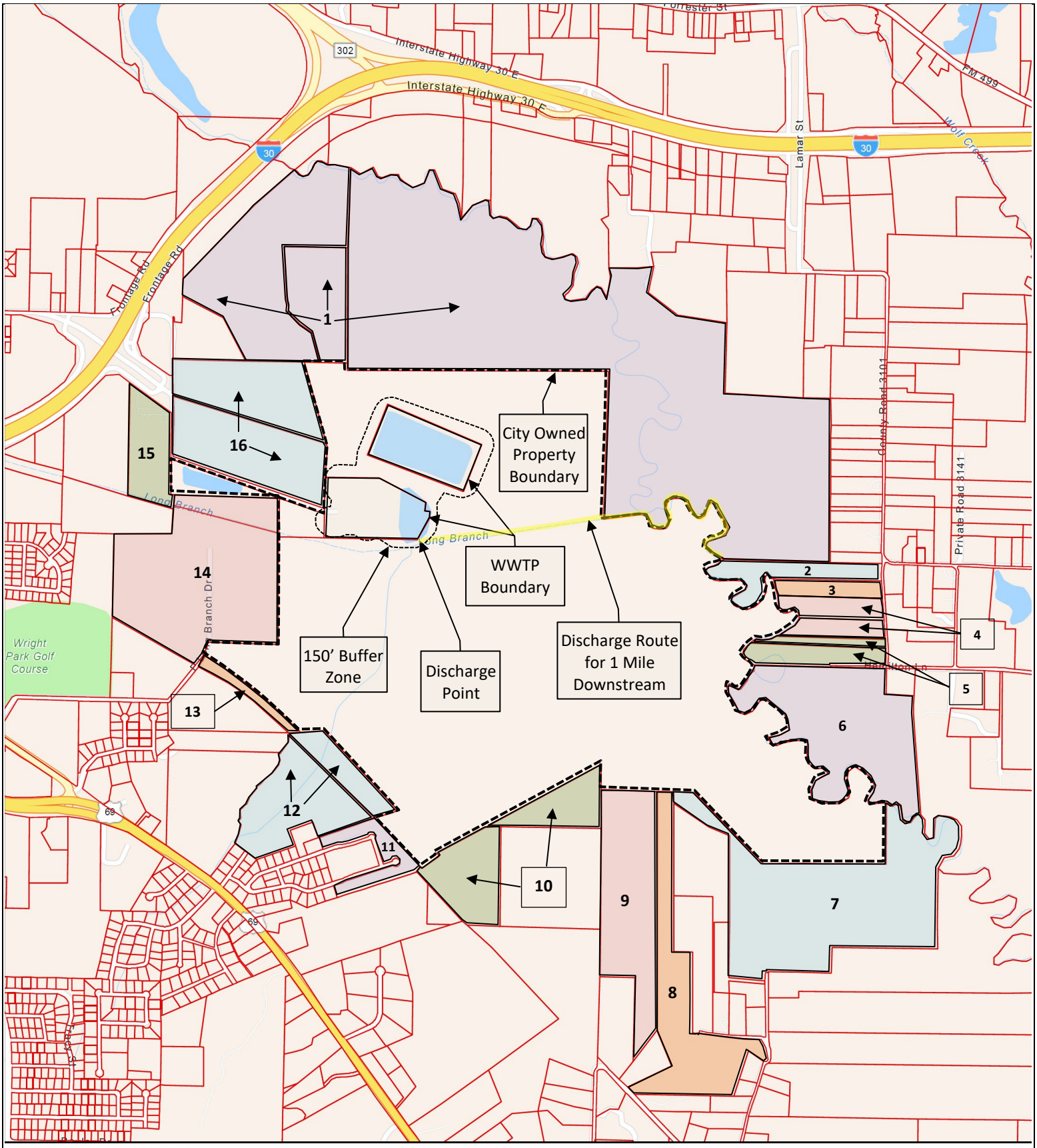
If you have any questions or need any additional information, please contact me at tducrest@hanson-inc.com or (361) 414-6487.

Sincerely,
HANSON PROFESSIONAL SERVICES INC.

T Ducrest

Tara Ducrest, C.F.M.
Environmental Scientist

CC: Mr. Bill Erwin, Wastewater Superintendent



12/18/2024, 8:35:48 AM

Parcels

1:18,056

0 0.15 0.3 0.6 mi

0 0.25 0.5 1 km

HANSON

Note: Property Boundaries Shown are Approximate.

Drawn. By:	TLD	Scale:	As Shown
Project Number:	22L0081B	Date:	12/18/24

Attachment E
Landowner Map
City of Greenville
Wastewater Reclamation Center
Greenville, Hunt County, Texas

NICHOLAS R AND CARLA R MARTIN
4098 CR 4400
COMMERCE TX 75428

ABEL AND BONIFACIA GONZALEZ
2201 I-30 E
GREENVILLE TX 75401

GREG AND TERI TREECE
1119 SAVANNAH DRIVE
NEVADA TX 75173

VICTOR M PAUL
794 SHADY BROOK ROAD
GREENVILLE TX 75402

JAMES AND CAROLYN JOHNSON
1624 HAMILTON LANE
GREENVILLE TX 75402

ANDREW LAWSON III TRUST
2705 FIRESIDE LANE
DENTON TX 76201

JOE N PETERS
PO BOX 9327
GREENVILLE TX 75404

SCOTT D AND TINA M HILL
94 STONE CREEK CIRCLE
SAINT JOHNS FL 32259

SCOTT D HILL
94 STONE CREEK CIRCLE
SAINT JOHNS FL 32259

BOBBIE L DAY
6305 JOE RAMSEY BOULEVARD
GREENVILLE TX 75402

HOWARD G BARROW
6011 HORNE ROAD
GREENVILLE TX 75402

HOWARD AND KAREN JO BARROW
6011 HORNE ROAD
GREENVILLE TX 75402

M K T RAILROAD
UNION PACIFIC RR CO
1400 DOUGLAS ST STOP 1640 PROPERTY DEPT
OMAHA NE 68179

HOWARD L AND JOY L DAVIS
2911 TERRELL ROAD SUITE B
GREENVILLE TX 75402

UNIVERSAL HEALTH SERVICES
367 SOUTH GULPH ROAD
KING OF PRUSSIA PA 19406

HUNT COUNTY
2507 LEE STREET
GREENVILLE TX 75401