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.

City of Huntsville, TX (CN:600745566) operates N.B. Davidson WWTP (RN101917961), a wastewater treatment plant. The facility is located at 1860 Camellia Dr, in Huntsville, Walker County, Texas 77340. The City is requesting an expansion of the existing facility from a 2-hour peak flow of 4.0 MGD to 6.5 MGD. Additionally, the treatment process will be converted from conventional activated sludge (CAS) to a sequencing batch reactor (SBR).

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

AGUAS RESIDUALES DOMESTICAS **/AGUAS PLUVIALES**

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

City of Huntsville, TX (CN:600745566) opera N.B. Davidson WWTP RN101917961, un wastewater treatment plnt. La instalación está ubicada en 1860 Camellia Dr, en Huntsville,, Condado de Walker, Texas 77340. La Ciudad está solicitando una ampliación de las instalaciones existentes, pasando de un caudal máximo de 4.0 MGD a 6.5 MGD. Además, el proceso de tratamiento se cambiará de lodos activados convencionales (CAS) a un reactor de lotes secuenciales (SBR).

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010781002

APPLICATION. City of Huntsville, 1212 Avenue M, Huntsville, Texas 77340, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010781002 (EPA I.D. No. TX0022373) to authorize an increase in 2-hour peak flow from 4.0 MGD to 6.5 MGD, and the treatment process will be converted from conventional activated sludge (CAS) to a sequencing batch reactor (SBR). The domestic wastewater treatment facility is located approximately 3.5 miles south of the intersection of Farm-to-Market Road 1374 and Interstate Highway 45, and 1.4 miles of southwest of the Elkins Lake Dam, near the city of Huntsville, in Walker County, Texas 77340. The discharge route is from the plant site to an unnamed tributary, thence to Persimmon Creek, thence to East Sandy Creek, thence to Lake Conroe. TCEQ received this application on September 19, 2024. The permit application will be available for viewing and copying at City of Huntsville Service Center, 448 State Highway 75 North, Huntsville, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.552222,30.645277&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 Huntsville at the address stated above or by calling Mr. Stacy Lawler, Wasetwater Superintendent, at 936-294-5763.

Issuance Date: November 7, 2024

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. WQ0010781002

SOLICITUD. La Ciudad de Huntsville, ubicada en 1212 Avenue M, Huntsville, Texas 77340, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0010781002 (EPA I.D. No. TX0022373) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar un aumento en el flujo máximo de 2 horas de 4.0 MGD a 6.5 MGD, y el proceso de tratamiento se cambiara de lodos activados convencionales (CAS) a un reactor de lotes secuenciales (SBR). La planta está aproximadamente a 3.5 millas al sur de la intersección de Farm-to-Market Road 1374 y la Carretera Interestatal I-45, y a 1.4 millas al suroeste de la presa de Elkins Lake, al sur de la ciudad de Huntsville, cerca de la ciudad de Huntsville, en el Condado de Walker, Texas 77340. La ruta de descarga es desde el sitio de la planta hacia un afluente sin nombre, luego hacia Persimmon Creek, luego hacia East Sandy Creek, y posteriormente hacia el Lago Conroe en el Segmento No. 1012 de la Cuenca del Río San Jacinto. La TCEQ recibió esta solicitud el 19 de septiembre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en el Centro de Servicios de la Ciudad de Huntsville, ubicado en 448 State Highway 75 North, Huntsville, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.552222,30.645277&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 A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía http://www14.tceq.texas.gov/epic/eComment/ o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional de La Ciudad de Huntsville a la dirección indicada arriba o llamando a Sr. Stacy Lawler, Superintendente de Aguas Residuale, al 936-294-5763.

Fecha de emisión 7 de noviembre de 2024

Abesha Michael

From: Thomas-Harris, Jordon <JTThomas-Harris@lan-inc.com>
Sent: Wednesday, October 9, 2024 4:16 PM
To: Abesha Michael
Cc: kkembro@huntsvilletx.gov; 128-10028-000-mailbox; Pindi, Pravallika
Subject: RE: Application to Amend Permit No. WQ0010781002 - Notice of Deficiency Letter
Attachments: 10053 Sheet 6 - Bilingual Notice Requirements.pdf; AFFECTED LANDOWNERS INFORMATION_R1.docx; AFFECTED LANDOWNERS INFORMATION_Cross Reference_R1.docx; AFFECTED LANDOWNERS INFORMATION_Avery Format 1.docx; 10053 Sheet 12 - Affected Landowners.pdf; Attachment Q - AFFECTED LANDOWNERS MAP_R1.pdf; NBD Permit_TCEQ Comments_wq0010781002-NOD1_NORI Corrections.pdf

Hi Abesha,

Please see attached for the following:

1. Sheet 6 identifying Spanish as the required language.
2. Revised landowners map, cross-reference, and labels.
3. Affected Landowners mailing labels.
4. Sheet 12 including the source of the landowners' names and mailing addressed.
5. NORI corrections.
6. NORI translation in a word format.

Thank you,

Jordon T. Thomas-Harris, PE
Associate, Team Leader – Water/Wastewater

3700 West Sam Houston Parkway South, Suite 400 • Houston, TX 77042
T 713.266.6900 **D** 713.821.0379
www.lan-inc.com • JTThomas-Harris@lan-inc.com

From: Thomas-Harris, Jordon <jtthomas-harris@lan-inc.com>
Sent: Monday, September 30, 2024 3:01 PM
To: Abesha Michael <Abesha.Michael@tceq.texas.gov>; kkembro@huntsvilletx.gov
Subject: RE: Application to Amend Permit No. WQ0010781002 - Notice of Deficiency Letter

Abesha,

Thank you for the comments. We will revise and resubmit.

Best Regards,

Jordon T. Thomas-Harris, PE
Associate, Team Leader – Water/Wastewater

3700 West Sam Houston Parkway South, Suite 400 • Houston, TX 77042
T 713.266.6900 **D** 713.821.0379
www.lan-inc.com • JTThomas-Harris@lan-inc.com

From: Abesha Michael <Abesha.Michael@tceq.texas.gov>
Sent: Monday, September 30, 2024 2:41 PM
To: kkembro@huntsvilletx.gov
Cc: Thomas-Harris, Jordon <jtthomas-harris@lan-inc.com>
Subject: Application to Amend Permit No. WQ0010781002 - Notice of Deficiency Letter

Dear Ms. Kembro:

The attached Notice of Deficiency letter sent on September 30, 2024, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by October 14, 2024.

Thank you,

Abesha H. Michael
Applications Review & Processing Team
Water Quality Division Support Section
Water Quality Division, MC 148
PO Box 13087
Austin, Texas 78711
Phone: o: 512-239-4912; c: 346-802-8446
Email: abesha.michael@tceq.texas.gov

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

CONFIDENTIALITY AND PRIVILEGE NOTICE: This email communication, including any and all attachments, (collectively, this "Communication"), is intended solely for the person(s) to whom it is addressed. This Communication may contain information that is privileged, confidential and/or proprietary. Any unauthorized use, disclosure or copying of this Communication is strictly prohibited. If you have received this Communication in error, please contact the sender immediately and destroy any and all copies of this Communication.

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 30, 2024

Ms. Kimberly Kembro, P.E.
Assistance Public Wroks Director
City of Huntsville
488 State Highway 75 North
Huntsville, Texas 77320

RE: Application to Amend Permit No.: WQ0010781002 (EPA I.D. No. TX0022373)
Applicant Name: City of Huntsville (CN600745566)
Site Name: N B Davidson South WWTP (RN101917961)
Type of Application: Major amendment with renewal

VIA EMAIL

Dear Ms. Kembro:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

1. Section 8, item E5 on page 6 of the administrative report: This item was left blank. Please complete this page and submit a revised page 6 indicating the required type of language.

2. Affected Landowners Information, item B on page 12 of the application: Thank you for the cross-referenced mailing. However, the affected landowners map shows that 49 affected landowners, but the list shows 52. Please update the affected landowners map or the cross-reference and the labels accordingly.

3. Affected Landowners Information, item C on page 12 of the application: Thank you for affected landowners mailing labels. Please **email** the affected landowner mailing labels a Microsoft Word Avery 5160 label format (3 columns across, 10 columns down) according to the mailing list. To ensure we can use the media to print labels, they must be evenly spaced, so that each address prints on one label. Please remove if there is any additional information included with the list, no punctuation.

4. Affected Landowners Information, item D on page 12 of the application: This item was left blank. However, the source of the landowners' name and mailing addresses is required. Please complete and submit a revised page.

5. 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 Huntsville, 1212 Avenue M, Huntsville, Texas 77340, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010781002 (EPA I.D. No. TX0022373) to authorize an increase in 2-hour peak flow from 4.0 MGD to 6.5 MGD, conversion from CAS process to SBR process. The domestic wastewater treatment facility is located approximately 3.5 miles south of the interstsection of Farm-to-Market Road 1374 and Interstate Highway 45, and 1.4 miles southwest of the Elkins Lake Dam south of the city of Huntsville, near the city of Huntsville, in Walker County, Texas 77340. The discharge route is from the plant site to to an unnamed tributary, thence to Persimmon Creek, thence to East Sandy Creek, thence to Lake Conroe in Segment No. 1012 of the San Jacinto River Basin (Pending – RWA confirmation). TCEQ received this application on September 19, 2024. The permit application will be available for viewing and copying at City of Huntsville Service Center, 448 State Highway 75 North, Huntsville, in Walker County, Texas, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.552222,30.645277&level=18

duplicated

Further information may also be obtained from City of Huntsville at the address stated above or by calling Ms. Stacy Lawler, Westwater Superintendent, City of Huntsville, at 936-294-5926.

Mr.

*wastewater

93

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.

Please submit the complete response, addressed to my attention by October 14, 2024 If you should have any questions, please do not hesitate to contact me by phone at (512) 239-4912 or by email at abesha.michael@tceq.texas.gov.

Sincerely,

Abesha Michael

Abesha Michael
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

Enclosure(s)

cc: Mr. Jordan T. Thomas Harris, P.E., 3700 West Sam Houston Parkway, South, Suite 400, Houston, Texas 77042

Organization Name: City of Huntsville

Mailing Address: 448 State Highway 75 N City, State, Zip Code: Huntsville, Tx,77320

Phone No.: 936-294-5926 E-mail Address: wlawler@huntsvilletx.gov

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: City of Huntsville Service Center

Location within the building: Lobby

Physical Address of Building: 448 State Highway 75 N

City: Huntsville County: Walker

Contact (Last Name, First Name): Stacy Lawler

Phone No.: 936-294-5926 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.

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

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

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

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

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

☐ USB Drive ☐ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: Walker County Appraisal District website; https://walkercad.org/

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

☐ Yes ☒ No

AFFECTED LANDOWNERS' INFORMATION

APPLICANT: City of Huntsville - N.B. Davidson WWTP

1. PROPERTY No. 1
   U S FORESTRY
   Cotton Creek Cemetery Rd, Huntsville, TX, 77340
   Unlisted

2. PROPERTY No. 2
   GRANITE RD, Huntsville, TX, 77340
   1 TEXAS GRAND RANCH PROPERTY OWNERS ASSOCIATION
   % GOODWIN & CO PO BOX 203310
   AUSTIN, TX, 78720

3. PROPERTY No. 3
   GRANITE RD, Huntsville, TX, 77340
   NAH TAHPLAH D
   PO BOX 311025
   HOUSTON, TX, 77231-3025

4. PROPERTY No. 4
   GRANITE RD, Huntsville, TX, 77340
   ALI AHSAN & HINA
   27215 CHESHIRE EDGE LN
   KATY, TX, 77494-6263

5. PROPERTY No. 5
   GRANITE RD, Huntsville, TX, 77340
   WALKER MARVETTA M
   2003 COVENT GARDEN STA
   HOUSTON, TX, 77045-2533

6. PROPERTY No. 6
   114 AZURITE RD, Huntsville, TX, 77340
   GOMEZ GERMAN
   5930 PEBBLE SPRINGS DR
   HOUSTON, TX, 77066-2313

7. PROPERTY No. 7
   LONESTAR RD, Huntsville, TX, 77340
   LAKEY OWEN THOMAS
   1057 REVEREND B J LEWIS DR
   HOUSTON, TX, 77088-616

8. PROPERTY No.8
   114 AZURITE RD, Huntsville, TX, 77340
   MASON KIRK & DEBORAH
   114 AZURITE RD PMB 182
   HUNTSVILLE, TX, 77340-1428

9. PROPERTY No.9
   LONESTAR RD, Huntsville, TX, 77340
   AL-AGHA & LAURA SHAHEEN REVOCABLE TRUST
   9630 FM 1488 ROAD
   MAGNOLIA, TX, 77354

10. PROPERTY No.10
    AZURITE RD, Huntsville, TX, 77340
    BRUBECK RICK
    24518 EMERALD POOL FALLS DR
    TOMBALL, TX, 77375

11. PROPERTY No.11
    LONESTAR RD, Huntsville, TX, 77340
    NGUYEN BRIAN & THU THUY
    640 GORDY RD
    BACLIFF, TX, 77518-2150

12. PROPERTY No.12
    AZURITE RD, Huntsville, TX, 77340
    REXROAD JEFFREY PAUL & DANESE B
    301 FALCON LAKE DR
    FRIENDSWOOD, TX, 77546-5465

13. PROPERTY No.13
    LONESTAR RD, Huntsville, TX, 77340
    DAYA WILLIAM BURGOS & MARIEL DIPLAN RODRIGUEZ
    4811 ISLA CANELA LN
    LEAGUE CITY, TX, 77573-6488

14. PROPERTY No.14
    130 AZURITE RD, Huntsville, TX, 77340
    LEISEY JEFFREY DAVID & CHAMROEUN NICOLE
    130 AZURITE RD
    HUNTSVILLE, TX, 77340

15. PROPERTY No.15
    LONESTAR RD, Huntsville, TX, 77340

DAYA WILLIAM BURGOS & MARIEL DIPLAN RODRIGUEZ
4811 ISLA CANELA LN
LEAGUE CITY, TX, 77573-6488

16. PROPERTY No.16
    FELDSPAR LANE, Huntsville, TX, 77340
    NGUYEN TRANG V
    7007 PEARL TERRACE LN
    RICHMOND, TX, 77469-1892

17. PROPERTY No.17
    1 FELDSPAR LANE, Huntsville, TX, 77340
    EGEMEARI EMMANUEL OSEIYAW & MIRIAM K
    12702 SPRUCE CIRCLE
    TOMBALL, TX, 77375-2060

18. PROPERTY No.18
    131 FELDSPAR LN, Huntsville, TX, 77340
    SEDILLO GEORGE JR & GUADALUPE MARTINEZ
    131 FELDSPAR
    HUNTSVILLE, TX, 77340

19. PROPERTY No.19
    FELDSPAR LANE, Huntsville, TX, 77340
    I TEXAS GRAND RANCH LLC
    183 WATER ST
    WILLIAMSTOWN, MA, 01267-2830

20. PROPERTY No.20
    FELDSPAR LANE, Huntsville, TX, 77340
    I TEXAS GRAND RANCH LLC
    183 WATER ST
    WILLIAMSTOWN, MA, 01267-2830

21. PROPERTY No.21
    INSCRIPTION LANE, Huntsville, TX, 77340
    QUINONES MIGUEL A & SUSAN
    20727 WINDY BRIAR LN
    SPRING, TX, 77379-8495

22. PROPERTY No.22
    936 LONESTAR RD, Huntsville, TX, 77340
    WARE RONALD DOUGLAS
    936 LONESTAR RD

HUNTSVILLE, TX, 77340

23. PROPERTY No.23
    205 INSCRIPTION LANE, Huntsville, TX, 77340
    TEMPLETON JOSHUA WELLINGTON & AMELIA
    205 INSCRIPTION LANE # 1174
    HUNTSVILLE, TX, 77340

24. PROPERTY No.24
    LONESTAR RD, Huntsville, TX, 77340
    SCALES STEVEN LANE & JULIE A
    928 LONESTAR RD
    HUNTSVILLE, TX, 77340

25. PROPERTY No.25
    195 INSCRIPTION LANE, Huntsville, TX, 77340
    WARE MARK JAMES & SUSAN YVETTE
    WARE 24915 PIKECREST DR
    SPRING,TX,77389

26. PROPERTY No. 26
    928 LONESTAR RD, Huntsville, TX, 77340
    SCALES STEVEN L & JULIE ANN
    928 LONESTAR RD
    HUNTSVILLE, TX, 77340-1068

27. PROPERTY No. 27
    Inscription Ln, Huntsville, TX, 77340
    NADDY RICHARD IV & ANGELA
    P O BOX 9495
    Huntsville, TX, 77340

28. PROPERTY No. 28
    LONESTAR RD, Huntsville, TX, 77340
    VETERANS LAND BOARD OF THE STATE OF TEXAS
    1 CORPORATE DRIVE SUITE 360
    LAKE ZURICH, IL, 60047

29. PROPERTY No. 29
    INSCRIPTION LANE, Huntsville, TX, 77340
    WITHEREL MATTHEW LOUIS & BETH
    2007 WILLOWLAKE DR
    HOUSTON, TX, 77077

30. PROPERTY No. 30
    LONESTAR RD, Huntsville, TX, 77340
    CARDONA JORGE ARTURO & VANESA M
    38549 WINDING WALK DR
    MURRIETA, CA, 92563-0805

31. PROPERTY No. 31
    INSCRIPTION LANE, Huntsville, TX, 77340
    DE FELICE COREY & ITZIAR IRIBERRI
    5506 POINTED LEAF DR
    MISSOURI CITY, TX, 77459-1686

32. PROPERTY No. 32
    LONESTAR RD, Huntsville, TX, 77340
    CARDONA GRISELDA & ARTURO
    10118 AUTUMN WAY CT
    HOUSTON, TX, 77064

33. PROPERTY No. 33
    157 INSCRIPTION LANE, Huntsville, TX, 77340
    KUYKENDALL JEFF B & CINDY L
    2511 RAINTREE
    COLLEGE STATION, TX, 77845-4125

34. PROPERTY No. 34
    LONESTAR RD, Huntsville, TX, 77340
    ARELLANO FERNANDO JAIMES
    5403 BOURGEOIS RD
    HOUSTON, TX, 77066-3311

35. PROPERTY No. 35
    INSCRIPTION LANE, Huntsville, TX, 77340
    NINAN MATTHEW V JR & SUMA M
    10418 MONTICELLO HILL DR
    KATY, TX, 77494-3485

36. PROPERTY No. 36
    900 LONESTAR RD, Huntsville, TX, 77340
    EBANKS FAMILY LIVING TRUST
    2430 RIVERWAY DR UNIT 509
    CONROE, TX, 77304

37. PROPERTY No. 37
    INSCRIPTION LANE, Huntsville, TX, 77340

NINAN MATTHEW V JR & SUMA M
10418 MONTICELLO HILL DR
KATY, TX, 77494-3485

38. PROPERTY No. 38
896 LONESTAR RD, Huntsville, TX, 77340
GOHEEN LLOYD EUGENE & DIANE L
896 LONESTAR RD, HUNTSVILLE, TX, 77340-1427

39. PROPERTY No. 39
INSCRIPTION LANE, Huntsville, TX, 77340
SONATA CONSTRUCTION LLC
2500 WEST LOOP SOUTH STE 310
HOUSTON, TX, 77027-4517

40. PROPERTY No. 40
LONESTAR RD, Huntsville, TX, 77340
TREND VIEW ENTERPRISES LLC
PO BOX 1331
SPRING, TX, 77383

41. PROPERTY No. 41
INSCRIPTION LANE, Huntsville, TX, 77340
SONATA CONSTRUCTION LLC
2500 WEST LOOP SOUTH STE 310
HOUSTON, TX, 77027-4517

42. PROPERTY No. 42
LONESTAR RD, Huntsville, TX, 77340
CASTANEDA ANDREW
15126 BOTANICAL GARDEN DR
CONROE, TX, 77302

43. PROPERTY No. 43
INSCRIPTION LANE, Huntsville, TX, 77340
FEREBEE WILLIAM C & DI ANNA M
1780 HUGHES LANDING
THE WOODLANDS, TX, 77380-4021

44. PROPERTY No. 44
LONESTAR RD, Huntsville, TX, 77340
MARTIN JAMES
14182 HARLEQUIN DR
WILLIS, TX, 77318

45. PROPERTY No. 45
    INSCRIPTION LANE, Huntsville, TX, 77340
    NGUYEN CHAU & MAI
    29538 MONONA TERRACE CT
    SPRING, TX, 77386-4323

46. PROPERTY No. 46
    LONESTAR RD, Huntsville, TX, 77340
    HENEGAR RICHARD R & ELIZABETH SUSAN PETERSON
    16231 HICKORY POINT RD
    HOUSTON, TX, 77095-4011

47. PROPERTY No. 47
    LONESTAR RD, Huntsville, TX, 77340
    GORDON SHENEKA ATRAMEASE & DEVIN R
    2728 MERLIN LN
    PEARLAND, TX, 77581-3557

U S FORESTRY
Unlisted

1 TEXAS GRAND RANCH
PROPERTY OWNERS
ASSOCIATION
% GOODWIN & CO PO BOX
203310
AUSTIN TX 78720

NAH TAHPLAH D

PO BOX 311025

HOUSTON TX 77231-3025

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GOMEZ GERMAN
5930 PEBBLE SPRINGS DR
HOUSTON TX 77066-2313

LAKEY OWEN THOMAS
1057 REVEREND B J LEWIS
DR
HOUSTON TX 77088-616

MASON KIRK & DEBORAH
114 AZURITE RD PMB 182
HUNTSVILLE TX 77340-
1428

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SHAHEEN REVOCABLE TRUST
9630 FM 1488 ROAD
MAGNOLIA TX 77354

BRUBECK RICK
24518 EMERALD POOL
FALLS DR
TOMBALL TX 77375-5366

NGUYEN BRIAN & THU THUY
640 GORDY RD
BACLIFF TX 77518-2150

REXROAD JEFFREY PAUL &
DANESE B
301 FALCON LAKE DR
FRIENDSWOOD TX 77546

DAYA WILLIAM BURGOS &
MARIEL DIPLAN
RODRIGUEZ
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LEAGUE CITY TX 77573-6488

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HUNTSVILLE TX 77340

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4811 ISLA CANELA LN
LEAGUE CITY TX 77573-
6488

NGUYEN TRANG V
7007 PEARL TERRACE LN
RICHMOND TX 77469-1892

EGEMEARI EMMANUEL
OSEIYAW & MIRIAM K
12702 SPRUCE CIRCLE
TOMBALL TX 77375-2060

SEDILLO GEORGE JR &
GUADALUPE MARTINEZ
131 FELDSPAR
HUNTSVILLE TX 77340

I TEXAS GRAND RANCH LLC
183 WATER ST
WILLIAMSTOWN MA 01267

I TEXAS GRAND RANCH
LLC
183 WATER ST
WILLIAMSTOWN MA
01267-2830

QUINONES MIGUEL A &
SUSAN
20727 WINDY BRIAR LN
SPRING TX 77379-8495

WARE RONALD DOUGLAS
936 LONESTAR RD
HUNTSVILLE TX 77340

TEMPLETON JOSHUA
WELLINGTON & AMELIA
205 INSCRIPTION LN # 1174
HUNTSVILLE TX 77340

SCALES STEVEN LANE &
JULIE A
928 LONESTAR RD
HUNTSVILLE TX 77340

WARE MARK JAMES &
SUSAN YVETTE
WARE 24915 PIKECREST DR
SPRING TX 77389

SCALES STEVEN L & JULIE
ANN
928 LONESTAR RD
HUNTSVILLE TX 77340

NADDY RICHARD IV &
ANGELA
PO BOX 9495
HUNTSVILLE TX 77340

VETERANS LAND BOARD
OF THE STATE OF TEXA
1 CORPORATE DR STE 360
LAKE ZURICH IL 60047

WITHEREL MATTHEW
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2007 WILLOWLAKE DR
HOUSTON TX 77077

CARDONA JORGE ARTURO
& VANESA M
38549 WINDING WALK DR
MURRIETA CA 92563-0805

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City of Huntsville

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
TBPE Firm No. 2614

2925 Briarpark Drive • Houston, TX 77042-3720
T 713.266.6900 • F 713.266.2089
www.lan-inc.com • info@lan-inc.com

ATTACHMENT DAR - 4

AFFECTED LANDOWNERS MAP

DATE: OCTOBER 2024

ATTACHMENT Q

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. WQ00_____

SOLICITUD. La Ciudad de Huntsville, ubicada en 1212 Avenue M, Huntsville, Texas 77340, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0010781002 (EPA I.D. No. TX0022373) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar un aumento en el flujo máximo de 2 horas de 4.0 MGD a 6.5 MGD, y la conversión del proceso de CAS al proceso de SBR. La planta está aproximadamente a 3.5 millas al sur de la intersección de Farm-to-Market Road 1374 y la Carretera Interestatal I-45, y a 1.4 millas al suroeste de la presa de Elkins Lake, al sur de la ciudad de Huntsville, cerca de la ciudad de Huntsville, en el Condado de Walker, Texas 77340. La ruta de descarga es desde el sitio de la planta hacia un afluente sin nombre, luego hacia Persimmon Creek, luego hacia East Sandy Creek, y posteriormente hacia el Lago Conroe en el Segmento No. 1012 de la Cuenca del Río San Jacinto. La TCEQ recibió esta solicitud el 19 de septiembre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en el Centro de Servicios de la Ciudad de Huntsville, ubicado en 448 State Highway 75 North, Huntsville, en el Condado de Walker, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.552222,30.645277&level=18

[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary and is an application for a major amendment which will increase the pollutant loads to coastal waters or would result in relocation of an outfall to a critical areas, or a renewal with such a major amendment. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange. If the application is for amendment that does ot meet the above description, do not include the sentence: El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

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

También se puede obtener información adicional de La Ciudad de Huntsville a la dirección indicada arriba o llamando a Sr. Stacy Lawler, Superintendente de Aguas Residuale, al 936-294-5763.

Fecha de emisión _____ *[Date notice issued]*

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 19, 2024

Re: Confirmation of Submission of the Major Amendment with Renewal for Public Domestic Wastewater Authorization.

Dear Applicant:

This is an acknowledgement that you have successfully completed Major Amendment with Renewal for the Public Domestic Wastewater authorization.

ER Account Number: ER107117
Application Reference Number: 675229
Authorization Number: WQ0010781002
Site Name: N B Davidson South WWTP
Regulated Entity: RN101917961 - N B Davidson South Plant
Customer(s): CN600745566 - City of Huntsville

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by telephone at (512) 239-4671.

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality

Update Domestic or Industrial Individual Permit

WQ0010781002

Site Information (Regulated Entity)

What is the name of the site to be authorized?	N B DAVIDSON SOUTH WWTP
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	LOCATED 3.5 MI S OF THE INTERX OF FM 1374 AND IH 45 AND APPRO 1.4 MI SW OF THE ELKINS LAKE DAM S OF THE CITY OF HUNTSVILLE
City	HUNTSVILLE
State	TX
ZIP	77340
County	WALKER
Latitude (N) (##.######)	30.645277
Longitude (W) (-###.######)	-95.552222
Primary SIC Code	4952
Secondary SIC Code	
Primary NAICS Code	221320
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN101917961
What is the name of the Regulated Entity (RE)?	N B DAVIDSON SOUTH PLANT
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	1212 AVENUE M
City	HUNTSVILLE
State	TX
ZIP	77340
County	WALKER
Latitude (N) (##.######)	30.722256
Longitude (W) (-###.######)	-95.553563
Facility NAICS Code	
What is the primary business of this entity?	DOMESTIC

City of-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN600745566
Type of Customer	Other Government
Full legal name of the applicant:	
Legal Name	City of Huntsville
Texas SOS Filing Number	
Federal Tax ID	174600142
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	
DUNS Number	84971480
Number of Employees	0-20
Independently Owned and Operated?	
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	City of Huntsville
Prefix	MR
First	AARON
Middle	
Last	KULHAVY
Suffix	
Credentials	
Title	CITY MANAGER
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1212 AVENUE M
Routing (such as Mail Code, Dept., or Attn:)	
City	HUNTSVILLE
State	TX
ZIP	77340
Phone (###-###-####)	9362945926
Extension	
Alternate Phone (###-###-####)	

Fax (###-###-####)	
E-mail	akulhavy@huntsvilletx.gov

Billing Contact

Responsible contact for receiving billing statements:	
Select the permittee that is responsible for payment of the annual fee.	CN600745566, City of Huntsville
Organization Name	CITY OF HUNTSVILLE
Prefix	MR
First	Stacy
Middle	A
Last	Lawler
Suffix	
Credentials	
Title	Wastewater Superintendent
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	448 STATE HIGHWAY 75 N
Routing (such as Mail Code, Dept., or Attn:)	
City	HUNTSVILLE
State	TX
ZIP	77320
Phone (###-###-####)	9362945926
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9362947730
E-mail	wlawler@huntsvilletx.gov

Application Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	City of Huntsville
Prefix	MS
First	Kimberly
Middle	

Last	Kembro
Suffix	
Credentials	PE
Title	Assistant Public Works Director
Enter new address or copy one from list:	Billing Contact
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	448 STATE HIGHWAY 75 N
Routing (such as Mail Code, Dept., or Attn:)	
City	HUNTSVILLE
State	TX
ZIP	77320
Phone (###-###-####)	9362945735
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9362947730
E-mail	kkembro@huntsvilletx.gov

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	Lockwood Andrews and Newnam Inc
Prefix	MR
First	Jordon
Middle	Taylor
Last	Thomas Harris
Suffix	
Credentials	PE
Title	Associate
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	3700 W SAM HOUSTON PKWY S STE 400
Routing (such as Mail Code, Dept., or Attn:)	
City	HOUSTON
State	TX

ZIP	77042
Phone (###-###-####)	7138210379
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jtharris@lan-inc.com

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?	
Organization Name	City of Hunstville
Prefix	MR
First	Gavin
Middle	
Last	Gann
Suffix	
Credentials	
Title	Assistant Wastewater Superintendent
Enter new address or copy one from list:	Billing Contact

Mailing Address:

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	448 STATE HIGHWAY 75 N
Routing (such as Mail Code, Dept., or Attn:)	
City	HUNTSVILLE
State	TX
ZIP	77320
Phone (###-###-####)	9362945924
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9362945735
E-mail	ggann@huntsvilletx.gov

Section 1# Permit Contact

Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	
2) Organization Name	City of Hunstville
3) Prefix	MR
4) First	Brent
5) Middle	
6) Last	Sherrod
7) Suffix	
8) Credentials	PE
9) Title	Public Works Director
Mailing Address	
10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	448 STATE HIGHWAY 75 N
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	HUNTSVILLE
11.4) State	TX
11.5) ZIP	77320
12) Phone (###-###-####)	9362945707
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	bsherrod@huntsvilletx.gov

Section 2# Permit Contact

Permit Contact#: 2

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	
2) Organization Name	City of Hunstville
3) Prefix	MS
4) First	Kimberly
5) Middle	
6) Last	Kembro
7) Suffix	
8) Credentials	
9) Title	Assistant Public Works Director
Mailing Address	

10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	448 STATE HIGHWAY 75 N
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	HUNTSVILLE
11.4) State	TX
11.5) ZIP	77320
12) Phone (###-###-####)	9362945735
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	kkembro@huntsvilletx.gov

Owner Information

Owner of Treatment Facility	
1) Prefix	
2) First and Last Name	
3) Organization Name	City of Huntsville
4) Mailing Address	1212 Avenue M
5) City	Huntsville
6) State	TX
7) Zip Code	77340
8) Phone (###-###-####)	9362945735
9) Extension	
10) Email	kkembro@huntsvilletx.gov
11) What is ownership of the treatment facility?	Public
Owner of Land (where treatment facility is or will be)	
12) Prefix	
13) First and Last Name	USDA Forest Service Forest Supervisor
14) Organization Name	USFS
15) Mailing Address	701 N First Street
16) City	Lufkin
17) State	TX
18) Zip Code	75901
19) Phone (###-###-####)	9363446205
20) Extension	

21) Email	edwin.d.davis@usda.gov
22) Is the landowner the same person as the facility owner or co-applicant?	No

General Information Renewal-Amendment

1) Current authorization expiration date:	02/17/2027
2) Current Facility operational status:	Active
3) Is the facility located on or does the treated effluent cross American Indian Land?	No
4) What is the application type that you are seeking?	Major Amendment with Renewal
4.1) Describe the proposed changes:	Increase in 2-hour peak flow from 4.0 MGD to 6.5 MGD, conversion from CAS process to SBR process
5) Current Authorization type:	Public Domestic Wastewater
5.1) What is the proposed total flow in MGD discharged at the facility?	6.5
5.2) Select the applicable fee	>= 1.0 MGD - Major Amendment - $2,050
6) What is the classification for your authorization?	TPDES
6.1) What is the EPA Identification Number?	TX0022373
6.2) Is the wastewater treatment facility location in the existing permit accurate?	Yes
6.3) Are the point(s) of discharge and the discharge route(s) in the existing permit correct?	No
6.3.1) Provide an accurate description of the point of discharge:	Proposed outfall will be shifted approximately 75 feet southwest. Revised outfall coordinates have provided below.
6.3.2) Provide an accurate description of the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:	An unnamed tributary, thence to Persimmon Creek, thence to East Sandy Creek, thence to Lake Conroe in Segment No. 1012 of the San Jacinto River Basin
6.4) City nearest the outfall(s):	Huntsville
6.5) County where the outfalls are located:	WALKER
6.6) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?	No
6.7) Is the daily average discharge at your facility of 5 MGD or more?	No
7) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	No

Public Notice Information

Individual Publishing the Notices

1) Prefix	
2) First and Last Name	Stacy Lawler
3) Credential	
4) Title	Wastewater Superindentent

5) Organization Name	City of Huntsville
6) Mailing Address	448 STATE HIGHWAY 75 N
7) Address Line 2	
8) City	HUNTSVILLE
9) State	TX
10) Zip Code	77320
11) Phone (###-###-####)	9362945926
12) Extension	
13) Fax (###-###-####)	
14) Email	wlawler@huntsvilletx.gov
Contact person to be listed in the Notices	
15) Prefix	
16) First and Last Name	Stacy Lawler
17) Credential	
18) Title	Wastewater Superintendent
19) Organization Name	City of Huntsville
20) Phone (###-###-####)	9362945926
21) Fax (###-###-####)	
22) Email	wlawler@huntsvilletx.org
Bilingual Notice Requirements	
23) 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
23.1) Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?	Yes
23.2) Do the students at these schools attend a bilingual education program at another location?	No
23.3) 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)?	No
23.4) Which language is required by the bilingual program?	Spanish

Section 1# Public Viewing Information

County#: 1

1) County	WALKER
2) Public building name	City of Huntsville Service Center
3) Location within the building	Lobby
4) Physical Address of Building	448 State Highway 75 N
5) City	Huntsville

6) Contact Name	Stacy Lawler
7) Phone (###-###-####)	9362942926
8) Extension	
9) Is the location open to the public?	Yes

Lease Agreement or Deed Attachment

1) Attach a lease agreement or deed recorded easement

[File Properties]

File Name	LEASE_Attachment C - Special Use Permit.pdf
Hash	05AEB50D756BC2CC6D3E7B427B4B2D79FC0BEBE34E20AE175CA8A0A60BA76D1F
MIME-Type	application/pdf

Plain Language

1) Plain Language

[File Properties]

File Name	LANG_City of Huntsville - N.B.Davidson WWTP_TCEQ Permit Application_20972 - Plain Language.pdf
Hash	5648A3653612B1EAFCE0661F8C7D2C45FCF9D407A02CE18E9352B883118CC11F
MIME-Type	application/pdf

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name	SPIF_NB Davidson WWTP TCEQ Permit Application 20971_REDUCED.pdf
Hash	AA06F8A13CE008CA16C3BE2B4A2EBF7E4715E1B1BEF047FDACC7877C22653C99
MIME-Type	application/pdf

Domestic Attachments

1) Attach an 8.5"x11", reproduced portion of the most current and original USGS Topographic Quadrangle Map(s) that meets the 1:24,000 scale.

[File Properties]

File Name	MAP_Attachment F2 - USGS Topographic Map 8.5x11.pdf
Hash	2D9116AA64E040CCB0D5DCA09D5DF9581B957D00EE7C1A426E345794E3390C2F
MIME-Type	application/pdf

2) Public Involvement Plan attachment (TCEQ Form 20960)

[File Properties]

File Name	PIP_pip-form-tceq-20960_R1.pdf
Hash	3027BD7BFB06BD12F2405AFF7A9A6116C2F586A3C611202E81EE6CE9B6E9F8E2
MIME-Type	application/pdf

3) Administrative Report 1.1

[File Properties]

File Name	ARPT_10053_R1.docx
Hash	DFFC45AF51C9F10EDD3BDDE19FB8493A629DCEECB5BB8512DCD3096694D46A2A
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

4) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
4.1) I confirm that Technical Report 1.1 is complete and included in the Technical Attachment.	Yes
4.2) I confirm that Worksheet 2.0 (Receiving Waters) is complete and included in the Technical Attachment.	Yes
4.3) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?	No
4.4) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?	Yes
4.5) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?	Yes
4.6) I confirm that Worksheet 6.0 (Industrial Waste Contribution) is complete and included in the Technical Attachment.	Yes
4.7) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment?	No

4.8) Technical Attachment

[File Properties]

File Name	TECH_10054 _R1.docx
Hash	02A59A5825EEA5F464133CAC22D3AE3EDC6F6823144314435216D1AE2D6E277C
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

5) Affected Landowners Map

[File Properties]

File Name	LANDMP_Attachment Q - AFFECTED LANDOWNERS MAP.pdf
Hash	F2F1264B683FE801786C9C5AB0E545FC18B38AA0F83BA6C78BE19C7FCBB890C6
MIME-Type	application/pdf

6) Landowners Cross Reference List

[File Properties]

File Name	LANDCRL_AFFECTED LANDOWNERS INFORMATION.docx
Hash	274B8A8F59C060F872A503EA303C93F17F7EDC9EE3D9629171D0DD570EA9EAE3
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

7) Landowner Avery Template

[File Properties]

File Name	LANDAT_AFFECTED LANDOWNERS INFORMATION_Avery Format 1.docx
Hash	B4D420FCBE64D4E735E4E6540A394B3946A835A20CBD138A0248293492F1309D
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

[File Properties]

File Name	LANDAT_AFFECTED LANDOWNERS INFORMATION_Avery Format 2.docx
Hash	FDD1D59A306F28C9D082954B47A5E6481EB41308566B475E2D3AC9FB50D8841E
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

8) Buffer Zone Map

[File Properties]

File Name	BUFF_ZM_Attachment H - Buffer Zone Map_r1.pdf
Hash	A3D2136D0CCD545D042DE7FAF489CE69C71DDE2BB7136F0AAB206CF863C614AB
MIME-Type	application/pdf

9) Flow Diagram

[File Properties]

File Name	FLDIA_Attachment J - Process Flow Diagram.pdf
Hash	CEAA969B6264BD0E8A325B7AD3BB041D35DEE6C58A291BA0B7A53B2C473AB7F4
MIME-Type	application/pdf

10) Site Drawing

[File Properties]

File Name	SITEDR_Attachment K - Site Drawing.pdf
Hash	8E34B1B68A457F718A2CA24387F94199828C3422DF3DD1FF6C718F4781BE0E3E
MIME-Type	application/pdf

11) Original Photographs

[File Properties]

File Name	ORIGPH_Attachment G - Photos (2).pdf
Hash	8E3E42E2B0F3C0EB612EF3A7EE5D6276C179B9428E59737B097B10BB07436062
MIME-Type	application/pdf

12) Design Calculations

[File Properties]

File Name	DES_CAL_Attachment M - Basis of Design Calculations.pdf
Hash	EBDDE461A9FBB237621595B2C4F5FEF3F99EE8D0C9C580E4C3DDB7727BD15724
MIME-Type	application/pdf

13) Solids Management Plan

[File Properties]

File Name	SMP_Attachmnet O - Sewage sludge solids management plan.pdf
Hash	AFCB0B66830953A42C63C324ECAB2228920B35AA70F52022F5112C530B779CE9
MIME-Type	application/pdf

14) Water Balance

[File Properties]

File Name	WB_ATTACHMENT - R Water Balance.pdf
Hash	4ABF690F97726976A31C3CB084151378911FF01BC231263144EB9E382721CC62
MIME-Type	application/pdf

15) Other Attachments

Certification

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

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.

1. I am Kathlie S Jeng-Bulloch, the owner of the STEERS account ER108004.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Update Domestic or Industrial Individual Permit WQ0010781002.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Kathlie S Jeng-Bulloch OWNER

Customer Number:	CN600745566
Legal Name:	City of Huntsville
Account Number:	ER108004
Signature IP Address:	208.180.1.147
Signature Date:	2024-09-19
Signature Hash:	C1FC7318E27595E959620F4082C029D93D19636481AFB72B638A3C94FE5B02D4
Form Hash Code at time of Signature:	CAB06CF1CA8780102A767C1DFAF5AEF6B4D3BB66005B2901F291901E2B5603F3

Fee Payment

Transaction by:	The application fee payment transaction was made by ER108004/Kathlie S Jeng-Bulloch
Paid by:	The application fee was paid by KATHLIE JENG-BULLOCH
Fee Amount:	$2000.00
Paid Date:	The application fee was paid on 2024-09-19
Transaction/Voucher number:	The transaction number is 582EA000626134 and the voucher number is 722113

Submission

Reference Number:	The application reference number is 675229
Submitted by:	The application was submitted by ER107117/Jordon T Thomas-Harris
Submitted Timestamp:	The application was submitted on 2024-09-19 at 18:07:55 CDT
Submitted From:	The application was submitted from IP address 170.85.98.175
Confirmation Number:	The confirmation number is 564939
Steers Version:	The STEERS version is 6.82

Permit Number:	The permit number is WQ0010781002

Additional Information

Application Creator: This account was created by Jordon T Thomas-Harris

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Huntsville

PERMIT NUMBER (If new, leave blank): WQ00 010781002

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: Click to enter text.

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

e. For amendments or modifications, describe the proposed changes: Increase in 2-hour peak flow from 4.0 MGD to 6.5 MGD.

f. For existing permits:

Permit Number: WQ00 10781002

EPA I.D. (TPDES only): TX 0022373

Expiration Date: February 17, 2027

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 Huntsville

(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: 600745566

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

Prefix: Mr. Last Name, First Name: Aron Kulhavy

Title: AICP Credential: City Manager

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: Ms. Last Name, First Name: Kimberly Kembro

Title: Assistant Public Works Director Credential: N/A

Organization Name: City of Huntsville

Mailing Address: 448 State Highway 75 N City, State, Zip Code: Huntsville, Tx,77320

Phone No.: 936-294-5735 E-mail Address: kkembro@huntsvilletx.gov

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Jordon T. Thomas-Harris

Title: Associate Credential: P.E

Organization Name: Lockwood, Andrews and Newnam Inc.

Mailing Address: 3700 W. Sam Houston Parkway South, Suite 400 City, State, Zip Code: 77042

Phone No.: 713-821-0379 E-mail Address: jtthomas-harris@lan-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: Brent Sherrod

Title: Public Works Director Credential: P.E.

Organization Name: City of Huntsville

Mailing Address: 448 State Highway 75 City, State, Zip Code: Huntsville, Tx,77320

Phone No.: 936-294-5707 E-mail Address: bsherrod@huntsvilletx.gov

B. Prefix: Ms. Last Name, First Name: Kimberly Kembro

Title: Assistant Public Works Director Credential: N/A

Organization Name: City of Huntsville

Mailing Address: 448 State Highway 75 N City, State, Zip Code: Huntsville, Tx,77320

Phone No.: 936-294-5735 E-mail Address: kkembro@huntsvilletx.gov

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: Stacy Lawler

Title: Wastewater Superintendent Credential: N/A

Organization Name: City of Huntsville

Mailing Address: 448 State Highway 75 N City, State, Zip Code: Huntsville, Tx,77320

Phone No.: 936-294-5926 E-mail Address: wlawler@huntsvilletx.gov

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: Gavin Gann

Title: Assistant Wastewater Superintendent Credential: N/A

Organization Name: City of Huntsville

Mailing Address: 448 State Highway 75 N City, State, Zip Code: Huntsville, Tx,77320

Phone No.: 936-294-5924 E-mail Address: ggann@huntsvilletx.gov

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Stacy Lawler

Title: Wastewater Superintendent Credential: N/A

Organization Name: City of Huntsville

Mailing Address: 448 State Highway 75 N City, State, Zip Code: Huntsville, Tx,77320

Phone No.: 936-294-5926 E-mail Address: wlawler@huntsvilletx.gov

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: Stacy Lawler

Title: Wastewater Superintendent Credential: N/A

Organization Name: City of Huntsville

Mailing Address: 448 State Highway 75 N City, State, Zip Code: Huntsville, Tx,77320

Phone No.: 936-294-5926 E-mail Address: wlawler@huntsvilletx.gov

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: City of Huntsville Service Center

Location within the building: Lobby

Physical Address of Building: 448 State Highway 75 N

City: Huntsville County: Walker

Contact (Last Name, First Name): Stacy Lawler

Phone No.: 936-294-5926 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? Click to enter text.

F. Plain Language Summary Template

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

Attachment: B

G. Public Involvement Plan Form

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

Attachment: 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** 101917961

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):

N.B. Davidson Wastewater Treatment Plant

C. Owner of treatment facility: City of Huntsville

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: USDA Forest Service, Forest Supervisor

Mailing Address: **701 N First Street** City, State, Zip Code: **Lufkin, TX 75901**

Phone No.: **936-344-6205** E-mail Address: **edwin.d.davis@usda.gov**

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: D

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: D

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

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

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

Attachment: Click to enter text.

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

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:

Proposed outfall will be shifted approximately 75 feet southwest. Revised outfall coordinates have provided below.

City nearest the outfall(s): Huntsville

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

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: Outfall Latitude: 30.644919˚, Longitude: -95.55293˚

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

N/A

B. City nearest the disposal site: N/A

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

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

N/A

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

Section 12. Miscellaneous Information (Instructions Page 32)

A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

N/A

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: N/A

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If **yes**, provide the following information:

Account number: N/A

Amount past due: N/A

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If **yes**, please provide the following information:

Enforcement order number: N/A

Amount past due: N/A

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

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

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010781002

Applicant: City of Huntsville

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): Aron Kulhavy, AICP

Signatory title: City Manager

Signature:_____Date:_____

(Use blue ink)

Subscribed and Sworn to before me by the said_____

on this_____day of_____, 20_____.

My commission expires on the_____day of_____, 20_____.

_____

Notary Public *[SEAL]*

_____

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

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

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

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

C. Indicate by a check mark 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: Click to enter text.

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

☐ Yes ☒ No

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

N/A

Section 2. Original Photographs (Instructions Page 38)

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

- ☒ At least one original photograph of the new or expanded treatment unit location
- ☐ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☒ At least one photograph of the existing/proposed effluent disposal site
- ☐ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

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

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

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

- ☐ Ownership
- ☒ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

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

☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: E

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:** WQ0010781002

1. Check or Money Order Number: Click to enter text.
2. Check or Money Order Amount: 2,050.00
3. Date of Check or Money Order: Click to enter text.
4. Name on Check or Money Order: Click to enter text.
5. APPLICATION INFORMATION

   Name of Project or Site: N.B. Davidson Wastewater Treatment Plant

   Physical Address of Project or Site: 1860 Camellia Dr, Huntsville, TX 77340

   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

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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

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

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

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

Date of Birth: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

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

E-mail Address: N/A

CN: N/A

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

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

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

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

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

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

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

Things to Know:

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

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

Landowners Labels or USB Drive attached ☐ N/A ☐ Yes
(See instructions for landowner requirements)

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

Plain Language Summary ☒ Yes

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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.

City of Huntsville, TX (CN:600745566) operates N.B. Davidson WWTP (RN10191761), a wastewater treatment plant. The facility is located at 1860 Camellia Dr, in Huntsville, Walker County, Texas 77340. The City is requesting an expansion of the existing facility from a 2-hour peak flow of 4.0 MGD to 6.5 MGD. Additionally, the treatment process will be converted from conventional activated sludge (CAS) to a sequencing batch reactor (SBR).

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

AGUAS RESIDUALES DOMESTICAS /**AGUAS PLUVIALES**

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

City of Huntsville, TX (CN:600745566) opera N.B. Davidson WWTP RN10191761, un wastewater treatment plnt. La instalación está ubicada en 1860 Camellia Dr,, en Huntsville,, Condado de Walker, Texas 77340. La Ciudad está solicitando una ampliación de las instalaciones existentes, pasando de un caudal máximo de 4.0 MGD a 6.5 MGD. Además, el proceso de tratamiento se cambiará de lodos activados convencionales (CAS) a un reactor de lotes secuenciales (SBR).

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.

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

☐ New Permit or Registration Application

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

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

Section 2. Secondary Screening

☐ Requires public notice,

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

☐ Located within any of the following geographical locations:

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

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

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

Section 3. Application Information

Type of Application (check all that apply):

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

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

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)

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

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

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

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

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

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

(City)

(County)

(Census Tract)

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

☐ City ☐ County ☐ Census Tract

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

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

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

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

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If Yes, please describe.

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

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

☐ Yes ☐ No

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

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

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

☐ TCEQ Regional Office ☐ TCEQ Central Office

☐ Public Place (specify)

Section 7. Voluntary Submittal

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

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

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

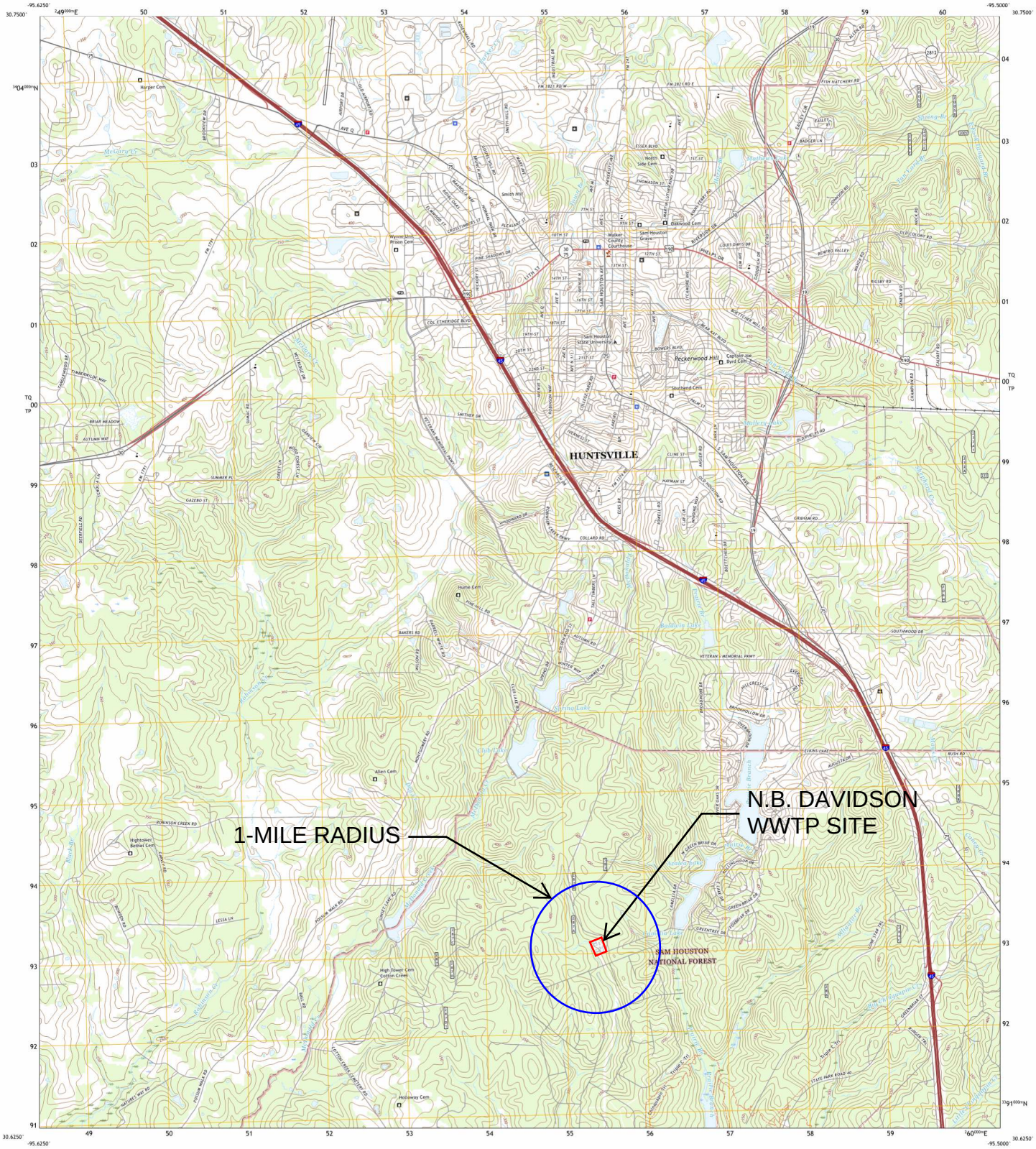
☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

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

The National Map US Topo

HUNTSVILLE QUADRANGLE
TEXAS - WALKER COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid:Universal Transverse Mercator, Zone 15R
This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015
Roads within US Forest Service Lands.....FSTopo Data with limited Forest Service updates, 2012
Names.....GNIS, 2000 - 2021
Hydrography.....National Hydrography Dataset, 2003 - 2018
Contours.....National Elevation Dataset, 2003
Boundaries.....Multiple sources; see metadata file 2017 - 2021

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

MN
GN
1°19'
23 MILS
2°28'
44 MILS

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
TQ
TP
Grid Zone Designation
15R

SCALE 1:24 000

KILOMETERS 0 0.5 1 2
METERS 1000 0 1000 2000
MILES 0 0.5 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

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

1 Crabbs Prairie
2 Pine Prairie
3 Riverside
4 Gallee
5 Phelps
6 San Jacinto
7 Moore Grove
8 New Waverly

ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route
FS Primary Route
FS Passenger Route
FS High Clearance Route

Check with local Forest Service unit for current travel conditions and restrictions.

HUNTSVILLE, TX
2022

NSN. 7643016396630
NGA REF NO. USGX2K6150

Date: 8/23/2024 Time: 5:57:18 PM
N:\128\128-10028-000\9-0-Data-GIS-Modeling\9-01-GIS\2-ArcMapProjects\Working\Huntsville_NB_Davidson_WWTP_LOWNR.mxd

City of Huntsville

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
TBPE Firm No. 2614

2925 Briarpark Drive • Houston, TX 77042-3720
T 713.266.6900 • F 713.266.2089
www.lan-inc.com • info@lan-inc.com

ATTACHMENT DAR - 4

AFFECTED LANDOWNERS MAP

DATE: AUGUST 2024

ATTACHMENT Q

AFFECTED LANDOWNERS INFORMATION

APPLICANT: N.B. Davidson WWTP

1. PROPERTY No. 1
   Cotton Creek Cemetery Rd, Huntsville, TX, 77340
   U S FORESTRY
   Unlisted

2. PROPERTY No. 2
   GRANITE RD, Huntsville, TX, 77340
   1 TEXAS GRAND RANCH PROPERTY OWNERS ASSOCIATION
   PO BOX1260
   PAULDEN, AZ, 86334

3. PROPERTY No. 3
   GRANITE RD, Huntsville, TX, 77340
   NAH TAHPLAH D
   PO BOX 311025
   HOUSTON, TX, 77231-3025

4. PROPERTY No. 4
   GRANITE RD, Huntsville, TX, 77340
   ALI AHSAN & HINA
   27215 CHESHIRE EDGE LN
   KATY, TX, 77494-6263

5. PROPERTY No. 5
   GRANITE RD, Huntsville, TX, 77340
   WALKER MARVETTA M
   2003 COVENT GARDEN STA
   HOUSTON, TX, 77045-2533

6. PROPERTY No. 6
   114 AZURITE RD, Huntsville, TX, 77340
   GOMEZ GERMAN
   5930 PEBBLE SPRINGS DR
   HOUSTON, TX, 77066-2313

7. PROPERTY No. 7
   LONESTAR RD, Huntsville, TX, 77340
   LAKEY OWEN THOMAS
   1057 REVEREND B J LEWIS DR
   HOUSTON, TX, 77088-616

8. PROPERTY No.8
   114 AZURITE RD, Huntsville, TX, 77340
   MASON KIRK & DEBORAH
   114 AZURITE RD PMB 182
   HUNTSVILLE, TX, 77340-1428

9. PROPERTY No.9
   LONESTAR RD, Huntsville, TX, 77340
   WATSON LISA & ROY
   113 SUMMIT DR
   CONROE, TX, 77303-1558

10. PROPERTY No.10
    AZURITE RD, Huntsville, TX, 77340
    BRUBECK RICK
    24518 EMERALD POOL FALLS DR
    TOMBALL, TX, 77375-5366

11. PROPERTY No.11
    LONESTAR RD, Huntsville, TX, 77340
    NGUYEN BRIAN & THU THUY
    640 GORDY RD
    BACLIFF, TX, 77518-2150

12. PROPERTY No.12
    AZURITE RD, Huntsville, TX, 77340
    REXROAD JEFFREY PAUL & DANESE B
    301 FALCON LAKE DR
    FRIENDSWOOD, TX, 77546-5465

13. PROPERTY No.13
    LONESTAR RD, Huntsville, TX, 77340
    DAYA WILLIAM BURGOS & MARIEL DIPLAN RODRIGUEZ
    4811 ISLA CANELA LN
    LEAGUE CITY, TX, 77573-6488

14. PROPERTY No.14
    130 AZURITE RD, Huntsville, TX, 77340
    LEISEY JEFFREY DAVID & CHAMROEUN NICOLE
    12306 WESTMERE DR
    HOUSTON, TX, 77077-3924

15. PROPERTY No.15
    LONESTAR RD, Huntsville, TX, 77340

DAYA WILLIAM BURGOS & MARIEL DIPLAN RODRIGUEZ
4811 ISLA CANELA LN
LEAGUE CITY, TX, 77573-6488

16. PROPERTY No.16
    FELDSPAR LANE, Huntsville, TX, 77340
    NGUYEN TRANG V
    7007 PEARL TERRACE LN
    RICHMOND, TX, 77469-1892

17. PROPERTY No.17
    1 FELDSPAR LANE, Huntsville, TX, 77340
    EGEMEARI EMMANUEL OSEIYAW & MIRIAM K
    12702 SPRUCE CIRCLE
    TOMBALL, TX, 77375-2060

18. PROPERTY No.18
    131 FELDSPAR LN, Huntsville, TX, 77340
    SEDILLO GEORGE JR & GUADALUPE MARTINEZ
    131 FELDSPAR, HUNTSVILLE, TX, 77340
    183 WATER ST, WILLIAMSTOWN, MA, 01267-2830

19. PROPERTY No.19
    FELDSPAR LANE, Huntsville, TX, 77340
    I TEXAS GRAND RANCH LLC
    183 WATER ST
    WILLIAMSTOWN, MA, 01267-2830

20. PROPERTY No.20
    FELDSPAR LANE, Huntsville, TX, 77340
    I TEXAS GRAND RANCH LLC
    183 WATER ST
    WILLIAMSTOWN, MA, 01267-2830

21. PROPERTY No.21
    INSCRIPTION LANE, Huntsville, TX, 77340
    QUINONES MIGUEL A & SUSAN
    20727 WINDY BRIAR LN
    SPRING, TX, 77379-8495

22. PROPERTY No.22
    936 LONESTAR RD, Huntsville, TX, 77340
    WARE RONALD DOUGLAS
    21018 GOLDEN SYCAMORE TRL

CYPRESS, TX, 77433

23. PROPERTY No.23
    205 INSCRIPTION LANE, Huntsville, TX, 77340
    TEMPLETON JOSHUA WELLINGTON & AMELIA
    PO BOX 10186
    HUNTSVILLE, TX, 77340

24. PROPERTY No.24
    LONESTAR RD, Huntsville, TX, 77340
    STEES PETER E & LARISA
    28330 SHINING CREEK LN
    SPRING, TX, 77386-1868

25. PROPERTY No.25
    195 INSCRIPTION LANE, Huntsville, TX, 77340
    WARE MARK JAMES & SUSAN YVETTE
    1206 GLOUCHESTER LN
    HOUSTON, TX, 77073-1312

26. PROPERTY No. 26
    928 LONESTAR RD, Huntsville, TX, 77340
    SCALES STEVEN L & JULIE ANN
    928 LONESTAR RD
    HUNTSVILLE, TX, 77340-1068

27. PROPERTY No. 27
    Inscription Ln, Huntsville, TX, 77340
    NADDY RICHARD IV & ANGELA
    P O BOX 9495
    Huntsville, TX, 77340

28. PROPERTY No. 28
    LONESTAR RD, Huntsville, TX, 77340
    BENITEZ FLOR DEMARIA
    4125 AVE Q
    GALVESTON, TX, 77550-6910

29. PROPERTY No. 29
    INSCRIPTION LANE, Huntsville, TX, 77340
    WITHEREL MATTHEW LOUIS & BETH
    2007 WILLOWLAKE DR
    HOUSTON, TX, 77077

30. PROPERTY No. 30
    LONESTAR RD, Huntsville, TX, 77340
    CARDONA JORGE ARTURO & VANESA M
    38549 WINDING WALK DR
    MURRIETA, CA, 92563-0805

31. PROPERTY No. 31
    INSCRIPTION LANE, Huntsville, TX, 77340
    DE FELICE COREY & ITZIAR IRIBERRI
    5506 POINTED LEAF DR
    MISSOURI CITY, TX, 77459-1686

32. PROPERTY No. 32
    LONESTAR RD, Huntsville, TX, 77340
    DRAB MICHAEL S & MICHELLE
    5007 FOREST HURST GLEN
    SPRING, TX, 77373-2597

33. PROPERTY No. 33
    157 INSCRIPTION LANE, Huntsville, TX, 77340
    KUYKENDALL JEFF B & CINDY L
    2511 RAINTREE
    COLLEGE STATION, TX, 77845-4125

34. PROPERTY No. 34
    LONESTAR RD, Huntsville, TX, 77340
    ARELLANO FERNANDO JAIMES
    5403 BOURGEOIS RD
    HOUSTON, TX, 77066-3311

35. PROPERTY No. 35
    INSCRIPTION LANE, Huntsville, TX, 77340
    NINAN MATTHEW V JR & SUMA M
    10418 MONTICELLO HILL DR
    KATY, TX, 77494-3485

36. PROPERTY No. 36
    900 LONESTAR RD, Huntsville, TX, 77340
    EBANKS FAMILY LIVING TRUST
    2430 RIVERWAY DR UNIT 509
    CONROE, TX, 77304

37. PROPERTY No. 37
    INSCRIPTION LANE, Huntsville, TX, 77340

NINAN MATTHEW V JR & SUMA M
10418 MONTICELLO HILL DR
KATY, TX, 77494-3485

38. PROPERTY No. 38
896 LONESTAR RD, Huntsville, TX, 77340
GOHEEN LLOYD EUGENE & DIANE L
896 LONESTAR RD, HUNTSVILLE, TX, 77340-1427

39. PROPERTY No. 39
INSCRIPTION LANE, Huntsville, TX, 77340
SONATA CONSTRUCTION LLC
2500 WEST LOOP SOUTH STE 310
HOUSTON, TX, 77027-4517

40. PROPERTY No. 40
LONESTAR RD, Huntsville, TX, 77340
TREND VIEW ENTERPRISES LLC
635 OLD COLONY DR
RICHMOND, TX, 77406-2120

41. PROPERTY No. 41
INSCRIPTION LANE, Huntsville, TX, 77340
SONATA CONSTRUCTION LLC
2500 WEST LOOP SOUTH STE 310
HOUSTON, TX, 77027-4517

42. PROPERTY No. 42
LONESTAR RD, Huntsville, TX, 77340
CASTANEDA ANDREW
15126 BOTANICAL GARDEN DR
CONROE, TX, 77302

43. PROPERTY No. 43
INSCRIPTION LANE, Huntsville, TX, 77340
FEREBEE WILLIAM C & DI ANNA M
1780 HUGHES LANDING
THE WOODLANDS, TX, 77380-4021

44. PROPERTY No. 44
LONESTAR RD, Huntsville, TX, 77340
MIDLAND TRUST COMPANY
10121 VALLEY FORGE DR
HOUSTON, TX, 77042-2037

45. PROPERTY No. 45
    INSCRIPTION LANE, Huntsville, TX, 77340
    NGUYEN CHAU & MAI
    29538 MONONA TERRACE CT
    SPRING, TX, 77386-4323

46. PROPERTY No. 46
    LONESTAR RD, Huntsville, TX, 77340
    HENEGAR RICHARD R & ELIZABETH SUSAN PETERSON
    16231 HICKORY POINT RD
    HOUSTON, TX, 77095-4011

47. PROPERTY No. 47
    INSCRIPTION LANE, Huntsville, TX, 77340
    THURMAN THOMAS G & MARIA O
    631 RINGWOOD ST
    SPRING, TX, 77373-5528

48. PROPERTY No. 48
    LONESTAR RD, Huntsville, TX, 77340
    GORDON SHENEKA ATRAMEASE & DEVIN R
    2728 MERLIN LN
    PEARLAND, TX, 77581-3557

49. PROPERTY No. 49
    290 RIM ROCK RD, Huntsville, TX, 77340
    DECESARE JUDY & JOHN
    290 RIM ROCK RD
    HUNTSVILLE, TX, 77340-1211

50. PROPERTY No. 50
    RIM ROCK RD, Huntsville, TX, 77340
    FESTE ANDREW & MARIAN
    231 CASTLEWOOD DR
    SPRING, TX, 77386-1164

51. PROPERTY No. 51
    RIM ROCK RD, Huntsville, TX, 77340
    BAUTISTA JOSE & ANA PACHECO
    11405 SAILWING CREEK CT
    PEARLAND, TX, 77584-8411

52. PROPERTY No. 52
    RIM ROCK ROAD, Huntsville, TX, 77340

SHAPLEY BRIAN J & WINDI A
3522 111TH DR NE
LAKE STEVENS, WA, 98258-8157

U S FORESTRY
Unlisted

1 TEXAS GRAND RANCH PROPERTY
OWNERS ASSOCIATION
PO BOX 1260
PAULDEN, AZ, 86334

NAH TAHPLAH D
PO BOX 311025
HOUSTON, TX, 77231-3025

ALI AHSAN & HINA
27215 CHESHIRE EDGE LN
KATY, TX, 77494-6263

WALKER MARVETTA M
2003 COVENT GARDEN STA
HOUSTON, TX, 77045-2533

GOMEZ GERMAN
5930 PEBBLE SPRINGS DR
HOUSTON, TX, 77066-2313

LAKEY OWEN THOMAS
1057 REVEREND B J LEWIS DR
HOUSTON, TX, 77088-616

MASON KIRK & DEBORAH
114 AZURITE RD PMB 182
HUNTSVILLE, TX, 77340-1428

WATSON LISA & ROY
113 SUMMIT DR
CONROE, TX, 77303-1558

BRUBECK RICK
24518 EMERALD POOL FALLS DR
TOMBALL, TX, 77375-5366

NGUYEN BRIAN & THU THUY
640 GORDY RD
BACLIFF, TX, 77518-2150

REXROAD JEFFREY PAUL &
DANESE B
301 FALCON LAKE DR
FRIENDSWOOD, TX, 77546-5465

DAYA WILLIAM BURGOS &
MARIEL DIPLAN RODRIGUEZ
4811 ISLA CANELA LN
LEAGUE CITY, TX, 77573-6488

LEISEY JEFFREY DAVID &
CHAMROEUN NICOLE
12306 WESTMERE DR
HOUSTON, TX, 77077-3924

DAYA WILLIAM BURGOS &
MARIEL DIPLAN RODRIGUEZ
4811 ISLA CANELA LN
LEAGUE CITY, TX, 77573-6488

NGUYEN TRANG V
7007 PEARL TERRACE LN
RICHMOND, TX, 77469-1892

EGEMEARI EMMANUEL
OSEIYAW & MIRIAM K
12702 SPRUCE CIRCLE
TOMBALL, TX, 77375-2060

SEDILLO GEORGE JR &
GUADALUPE MARTINEZ
131 FELDSPAR
HUNTSVILLE, TX, 77340

I TEXAS GRAND RANCH LLC
183 WATER ST
WILLIAMSTOWN, MA, 01267-2830

I TEXAS GRAND RANCH LLC
183 WATER ST
WILLIAMSTOWN, MA, 01267-
2830

QUINONES MIGUEL A & SUSAN
20727 WINDY BRIAR LN
SPRING, TX, 77379-8495

WARE RONALD DOUGLAS
21018 GOLDEN SYCAMORE TRL
CYPRESS, TX, 77433

TEMPLETON JOSHUA
WELLINGTON & AMELIA
PO BOX 10186
HUNTSVILLE, TX, 77340

STEES PETER E & LARISA
28330 SHINING CREEK LN
SPRING, TX, 77386-1868

WARE MARK JAMES & SUSAN
YVETTE
1206 GLOUCHESTER LN
HOUSTON, TX, 77073-1312

SCALES STEVEN L & JULIE ANN
928 LONESTAR RD
HUNTSVILLE, TX, 77340-1068

NADDY RICHARD IV & ANGELA
PO BOX 9495
HUNTSVILLE, TX, 77340

BENITEZ FLOR DEMARIA
4125 AVE Q
GALVESTON, TX, 77550-6910

WITHEREL MATTHEW LOUIS &
BETH
2007 WILLOWLAKE DR
HOUSTON, TX, 77077

CARDONA JORGE ARTURO &
VANESA M
38549 WINDING WALK DR
MURRIETA, CA, 92563-0805

DE FELICE COREY &
ITZIAR IRIBERRI
5506 POINTED LEAF DR
MISSOURI CITY, TX, 77459-1686

DRAB MICHAEL S &
MICHELLE
5007 FOREST HURST GLEN
SPRING, TX, 77373-2597

KUYKENDALL JEFF B &
CINDY L
2511 RAINTREE
COLLEGE STATION, TX,
77845-4125

ARELLANO FERNANDO
JAIMES
5403 BOURGEOIS RD
HOUSTON, TX, 77066-3311

NINAN MATTHEW V JR &
SUMA M
10418 MONTICELLO HILL DR
KATY, TX, 77494-3485

EBANKS FAMILY LIVING
TRUST
2430 RIVERWAY DR UNIT 509
CONROE, TX, 77304

NINAN MATTHEW V JR &
SUMA M
10418 MONTICELLO HILL DR
KATY, TX, 77494-3485

GOHEEN LLOYD EUGENE &
DIANE L
896 LONESTAR RD,
HUNTSVILLE, TX, 77340-1427

SONATA CONSTRUCTION LLC
2500 WEST LOOP SOUTH STE 310
HOUSTON, TX, 77027-4517

TREND VIEW ENTERPRISES
LLC
635 OLD COLONY DR
RICHMOND, TX, 77406-2120

SONATA CONSTRUCTION LLC
2500 WEST LOOP SOUTH STE 310
HOUSTON, TX, 77027-4517

CASTANEDA ANDREW
15126 BOTANICAL GARDEN
DR
CONROE, TX, 77302

FEREBEE WILLIAM C & DI ANNA
M
1780 HUGHES LANDING
THE WOODLANDS, TX, 77380-4021

MIDLAND TRUST COMPANY
10121 VALLEY FORGE DR
HOUSTON, TX, 77042-2037

NGUYEN CHAU & MAI
29538 MONONA TERRACE CT
SPRING, TX, 77386-4323

HENEGAR RICHARD R &
ELIZABETH SUSAN PETERSON
16231 HICKORY POINT RD
HOUSTON, TX, 77095-4011

THURMAN THOMAS G &
MARIA O
631 RINGWOOD ST
SPRING, TX, 77373-5528

GORDON SHENEKA
ATRAMEASE & DEVIN R
2728 MERLIN LN
PEARLAND, TX, 77581-3557

DECESARE JUDY & JOHN
290 RIM ROCK RD
HUNTSVILLE, TX, 77340-1211

FESTE ANDREW & MARIAN
231 CASTLEWOOD DR
SPRING, TX, 77386-1164

BAUTISTA JOSE & ANA
PACHECO
11405 SAILWING CREEK CT
PEARLAND, TX, 77584-8411

SHAPLEY BRIAN J & WINDI A
3522 111TH DR NE
LAKE STEVENS, WA, 98258-8157

Proposed Treatment Location

Plant Outfall

Plant Outfall

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 Huntsville

   Permit No. WQ00 10781002 EPA ID No. TX 0022373

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

   Approximately 1.4 miles southwest of the Elkins Lake Dam and 3.5 miles south of the intersection of Farm-to-MarketRoad 1374 and Interstate Highway 45, south of the City of Huntsville in Walker County, Texas.

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

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

First and Last Name: Kimberly Kembro

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

Title: Assistant Public Works Director

Mailing Address: 448 State Highway 75 N

City, State, Zip Code: Huntsville, TX 77340

Phone No.: 9362945735 Ext.: N/A Fax No.: N/A

E-mail Address: kkembro@huntsvilletx.gov

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

   United States Department of Agriculture Forest Service

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 an unnamed tributary; thence to Persimmon Creek; thence to East Sandy Creek; thence to Lake Conroe in Segment No. 1012 of the San Jacinto 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).

   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):

   N/A

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

   Existing disturbances and land use are typical for a wastewater treatment plant of this size.

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

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

   1971, 1982, 1994

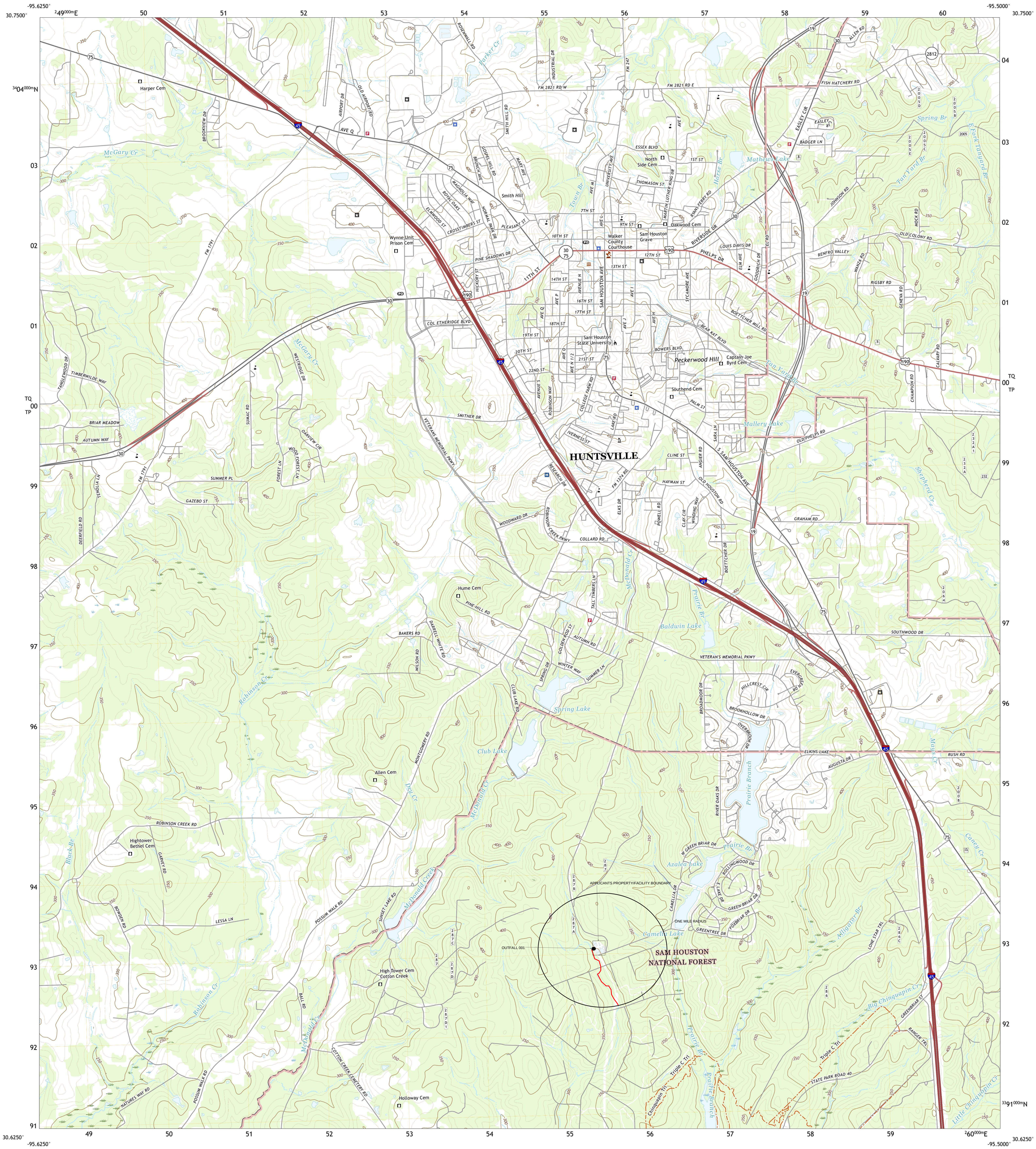
4. Provide a brief history of the property, and name of the architect/builder, if known.

   Existing property was originally developed as a wastewater treatment plant by City of Huntsville.

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

The National Map US Topo

HUNTSVILLE QUADRANGLE
TEXAS - WALKER COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 15R
This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads..... U.S. Census Bureau, 2015
Roads within US Forest Service Lands.....FSTopo Data with limited Forest Service updates, 2012
Names.....GNIS, 2000 - 2021
Hydrography.....National Hydrography Dataset, 2003 - 2018
Contours.....National Elevation Dataset, 2003
Boundaries.....Multiple sources; see metadata file 2017 - 2021

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

MN
GN
1°19' 23 MILS
2°28' 44 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
TQ
00
TP
Grid Zone Designation 15R

SCALE 1:24 000
KILOMETERS
METERS
MILES
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Crabbs Prairie
2 Pine Prairie
3 Riverside
4 Galilee
5 Phelps
6 San Jacinto
7 Moore Grove
8 New Waverly

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route
FS Primary Route
FS Passenger Route
FS High Clearance Route

Check with local Forest Service unit for current travel conditions and restrictions.

HUNTSVILLE, TX
2022

NSN. 7643016396630
NGA REF NO. USGSX24K21550

SLUDGE DRYING BEDS

ADMINISTRATION BUILDING

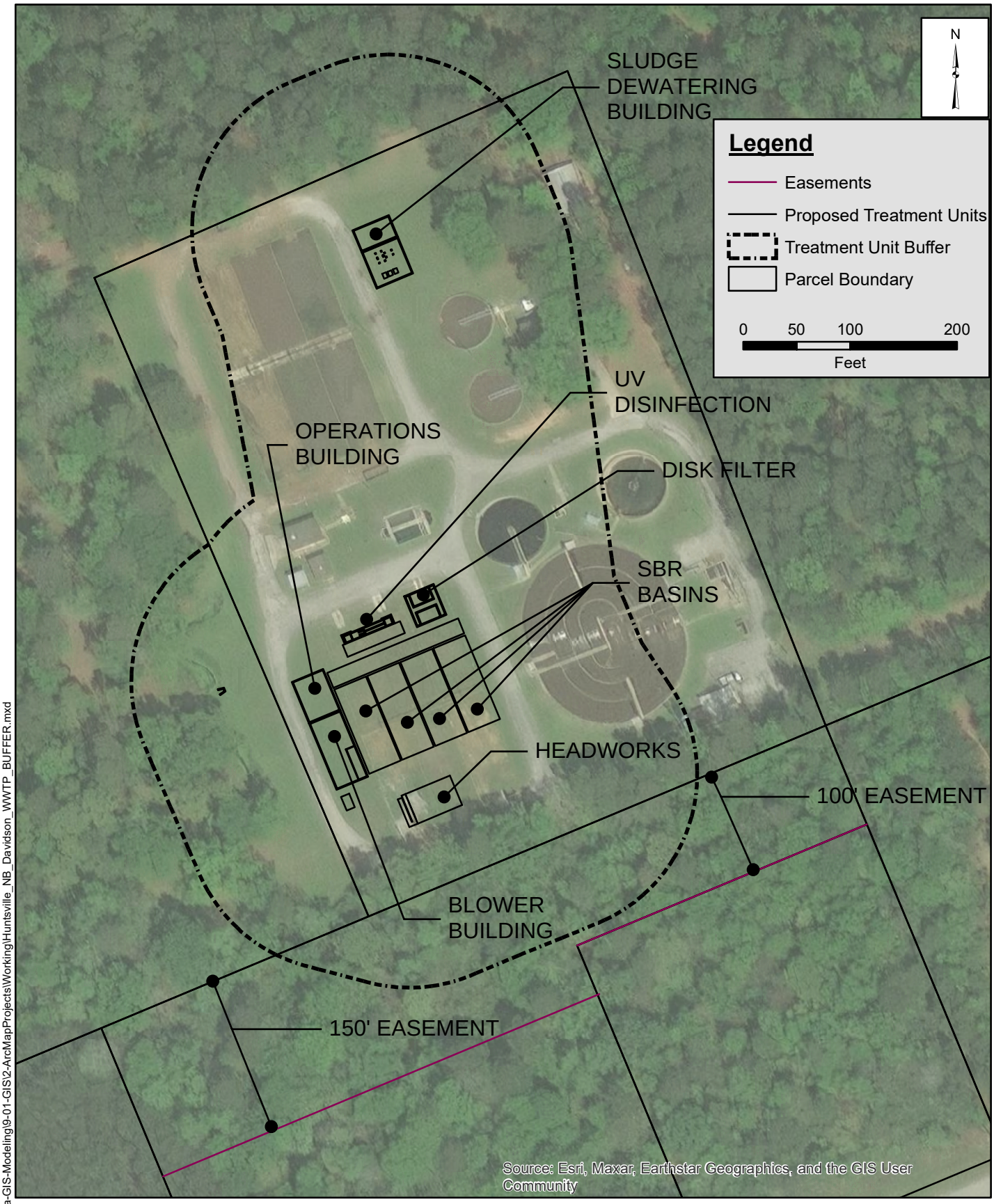
Plant Outfall

Clarifier 1

Plant Drain LS 1

AERATION BASIN

CHLORINE CONTACT BASIN



Date: 8/23/2024 Time: 5:12:08 PM
N:\128\128-10028-000\9-0-Data-GIS-Modeling\9-01-GIS\2-ArcMapProjects\Working\Huntsville_NB_Davidson_WWTP_BUFFER.mxd

City of Huntsville

Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
TBPE Firm No. 2614

3700 West Sam Houston Parkway South, Suite 400
T 713.266.6900 • F 713.266.2089
www.lan-inc.com • info@lan-inc.com

ATTACHMENT DAR - 4

BUFFER ZONE MAP

DATE: AUGUST 2024

EXHIBIT 2

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): 1.6

2-Hr Peak Flow (MGD): 4.0

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

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): 1.6

2-Hr Peak Flow (MGD): 6.5

Estimated construction start date: October 2025

Estimated waste disposal start date: October 2027

D. Current Operating Phase

Provide the startup date of the facility: September 1974

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**.

The plant receives flow via an 18-inch forcemain from the Elkins Lake Dam lift station, which is pumped to the headworks. The headworks includes two 1/8" inch mechanical fine screens, a 1/4" manual bar screen, and two hydraulically induced vortex grit units. Flow is then conveyed to the four basin SBR unit for the secondary treatment. Flow is then conveyed to the disk filters, then UV disinfection units prior to metering and outfall. The flow discharges into an unnamed tributary which eventually leads to the San Jacinto River Basin. Activated Sludge remains in while the waste sludge gets dewatered in a volute press and gets shipped for offsite disposal.

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Drum Screen	2	7.9'x 1.3'
Grit Removal	2	16.5' x 5.0'
SBR Basin	4	85' x 32' x 23'
Disk Filter	2	23'-6" x 11' x 10'
UV Disinfection Unit	1	33'-8" x 5' x 6'
Aerobic Digester	2	50' Diameter x 15' Depth
Volute Press	2	7 'x 1.85'

C. Process Flow Diagram

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

Attachment: J

Section 3. Site Information and Drawing (Instructions Page 44)

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

- Latitude: 30.644919°
- Longitude: -95.55293°

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: K

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

The N.B. Davidson Wastewater Service Basin includes Huntsville's southern and southeastern sectors, including Elkins Lake.

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
N.B. Davidson WWTP	City of Huntsville	Publicly Owned	5,665
		Choose an item.	
		Choose an item.	
		Choose an item.	

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.

After installation and commissioning of proposed treatment unit, existing units will be decommissioned. Closure plans to be submitted during final design.
Existing units to be decommissioned include: Headworks, Aeration basins, Clarifiers, Chlorination basin, Dechlorination basin and Sludge drying beds.

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: N/A

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**.

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

N/A

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☐ Yes ☒ No

If yes, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

N/A

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☒ No

If No, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

N/A

3. Grit disposal

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☐ Yes ☐ No

If No, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

N/A

4. *Grease and decanted liquid disposal*

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

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

N/A

E. Stormwater management

1. *Applicability*

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☒ Yes ☐ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☒ Yes ☐ No

If no to both of the above, then skip to Subsection F, Other Wastes Received.

2. *MSGP coverage*

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☒ Yes ☐ No

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

TXR05 T743 or TXRNE N/A

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

N/A

4. ***Existing coverage in individual permit***

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☐ No

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

N/A

5. ***Zero stormwater discharge***

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

☐ Yes ☐ No

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

N/A

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. ***Request for coverage in individual permit***

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☐ No

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you

intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

N/A

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.
N/A

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

1. *Acceptance of sludge from other WWTPs*

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

☐ Yes ☒ No

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

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

N/A

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. *Acceptance of septic waste*

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

If yes, does the facility have a Type V processing unit?

☐ Yes ☐ No

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

☐ Yes ☐ No

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

N/A

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. ***Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)***

Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?

☐ Yes ☒ No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

N/A

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 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	<2		1	8-pt Composite	5-28-24/18:00
Total Suspended Solids, mg/l	9.0		1	8-pt Composite	5-28-24/18:00
Ammonia Nitrogen, mg/l	<0.20		1	8-pt Composite	5-28-24/18:00
Nitrate Nitrogen, mg/l	10.6		1	1-pt Grab	8-9-24/09:21
Total Kjeldahl Nitrogen, mg/l	1.6689		1	24-pt composite	6-17-27/08:00
Sulfate, mg/l	34.6		1	24-pt composite	6-17-27/08:00
Chloride, mg/l	96.1		1	24-pt composite	6-17-27/08:00
Total Phosphorus, mg/l			1	24-pt composite	6-17-27/08:00
pH, standard units	6.83		1	Grab	5-28-24/18:00
Dissolved Oxygen*, mg/l	7.14		1	Grab	5-28-24/18:00
Chlorine Residual, mg/l	2.70		1	Grab	5-28-24/09:00
E.coli (CFU/100ml) freshwater	2.0		1	Grab	5-28-24/07:54
Entercocci (CFU/100ml) saltwater	NA				
Total Dissolved Solids, mg/l	472.0		1	24-pt composite	6-17-27/08:00
Electrical Conductivity, µmohs/cm, †	NA				
Oil & Grease, mg/l	<2.78		1	Grab	6-17-24/08:46
Alkalinity ($CaCO_3$)*, mg/l	84.1		1	24-pt composite	6-17-27/08:00

*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: Gavin Gann

Facility Operator's License Classification and Level: WW Treatment Operator B

Facility Operator's License Number: WW0046156

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	Off-site Third-Party Preparer	Bulk	1.25	Class B: PSRP Aerobic Digestion	Option 4: SOUR <=1.5 mg 02/hr/g total solids at 20C (<2% solids)
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

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

D. Disposal site

Disposal site name: Security Recycling and Disposal Facility

TCEQ permit or registration number: 1752B

County where disposal site is located: Montgomery County

E. Transportation method

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

Name of the hauler: City of Huntsville Solid Waste Department

Hauler registration number: 22509

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:

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

N/A

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

A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

☐ Yes ☒ No

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

☐ Yes ☒ No

C. Details about wastes received

If yes to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 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: Aron Kulhavy, AICP

Title: City Manager

Signature: _____

Date: _____

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 2016 Water and Wastewater Condition and Capacity Assessment Studies (2016 Masterplan), produced by Freese & Nicholes, Inc. (FNI) recommends for the NB Davidson WWTP to expand its capacity to 6.5 MGD. NB Davison watershed experiences sanitary sewer overflows during heavy rainfall and flooding, causing the headworks of the N.B. Davidson WWTP to overflow.

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: N/A

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

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

Attachment: N/A

Section 2. Proposed Organic Loading (Instructions Page 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): 1.6 MGD (ADF)

Average Influent Organic Strength or BOD_5 Concentration in mg/l: 86

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34): 1148

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

Owner Provided Raw Datasheet

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	N/A
Subdivision	N/A	N/A
Trailer park – transient	N/A	N/A
Mobile home park	N/A	N/A
School with cafeteria and showers	N/A	N/A
School with cafeteria, no showers	N/A	N/A
Recreational park, overnight use	N/A	N/A
Recreational park, day use	N/A	N/A
Office building or factory	N/A	N/A
Motel	N/A	N/A
Restaurant	N/A	N/A
Hospital	N/A	N/A
Nursing home	N/A	N/A
Other	N/A	N/A
TOTAL FLOW from all sources	N/A	
AVERAGE BOD_5 from all sources		N/A

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: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: N/A

Other: N/A

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: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: N/A

Other: N/A

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: 3.94 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: M

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.

N/A

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

FEMA FIRMette

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: N

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: O

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

- Treatment units and processes dimensions and capacities

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 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: The flow discharges into an unnamed tributary which eventually leads to the San Jacinto River Basin.

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: Click to enter text.

C. Downstream perennial confluences

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

N/A

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

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

The receiving waterbody is a man-made channel or drainage ditch. Under normal dry weather conditions, the ditch is dry.

Date and time of observation: 02/01/2024

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
☐ Upstream discharges
☐ Septic tanks
☐ Urban runoff
☐ Agricultural runoff
☐ 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: Click to enter text. Time of study: Click to enter text.

Stream name: Click to enter text.

Location: Click to enter text.

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: Click to enter text.

Number of stream bends that are moderately defined: Click to enter text.

Number of stream bends that are poorly defined: Click to enter text.

Number of riffles: Click to enter text.

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.

Click to enter text.

Stream transects

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

Table 2.1(1) - Stream Transect Records

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

Section 3. Summarize Measurements (Instructions Page 66)

Streambed slope of entire reach, from USGS map in feet/feet: Click to enter text.

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): Click to enter text.

Length of stream evaluated, in feet: Click to enter text.

Number of lateral transects made: Click to enter text.

Average stream width, in feet: Click to enter text.

Average stream depth, in feet: Click to enter text.

Average stream velocity, in feet/second: Click to enter text.

Instantaneous stream flow, in cubic feet/second: Click to enter text.

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): Click to enter text.

Size of pools (large, small, moderate, none): Click to enter text.

Maximum pool depth, in feet: Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

Section 1. Type of Disposal System (Instructions Page 68)

Identify the method of land disposal:

- ☐ Surface application
- ☐ Irrigation
- ☐ Drip irrigation system
- ☐ Evaporation
- ☐ Subsurface application
- ☐ Subsurface soils absorption
- ☐ Subsurface area drip dispersal system
- ☐ Evapotranspiration beds
- ☐ Other (describe in detail): Click to enter text.

NOTE: All applicants without authorization or proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0.

For existing authorizations, provide Registration Number: Click to enter text.

Section 2. Land Application Site(s) (Instructions Page 68)

In table 3.0(1), provide the requested information for the land application sites. Include the agricultural or cover crop type (wheat, cotton, alfalfa, bermuda grass, native grasses, etc.), land use (golf course, hayland, pastureland, park, row crop, etc.), irrigation area, amount of effluent applied, and whether or not the public has access to the area. Specify the amount of land area and the amount of effluent that will be allotted to each agricultural or cover crop, if more than one crop will be used.

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 68)

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond.

Attachment: Click to enter text.

Section 4. Flood and Runoff Protection (Instructions Page 68)

Is the land application site within the 100-year frequency flood level?

☐ Yes ☐ No

If yes, describe how the site will be protected from inundation.

Click to enter text.

Provide the source used to determine the 100-year frequency flood level:

Click to enter text.

Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

Click to enter text.

Section 5. Annual Cropping Plan (Instructions Page 68)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment**: Click to enter text.

- Soils map with crops
- Cool and warm season plant species
- Crop yield goals
- Crop growing season
- Crop nutrient requirements
- Additional fertilizer requirements
- Minimum/maximum harvest height (for grass crops)
- Supplemental watering requirements
- Crop salt tolerances
- Harvesting method/number of harvests
- Justification for not removing existing vegetation to be irrigated

Section 6. Well and Map Information (Instructions Page 69)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment**: Click to enter text.

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones
- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

List and cross reference all water wells located within a half-mile radius of the disposal site or property boundaries shown on the USGS map in the following table. Attach additional pages as necessary to include all of the wells.

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

Attachment: Click to enter text.

Section 7. Groundwater Quality (Instructions Page 69)

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

Attachment: Click to enter text.

Are groundwater monitoring wells available onsite? ☐ Yes ☐ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☐ No

If yes, provide the proposed location of the monitoring wells or lysimeters on a site map.

Attachment: Click to enter text.

Section 8. Soil Map and Soil Analyses (Instructions Page 70)

A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

Attachment: Click to enter text.

B. Soil analyses

Attach the laboratory results sheets from the soil analyses. **Note**: for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.

Attachment: Click to enter text.

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☐ Yes ☐ No

If no, this section is not applicable and the worksheet is complete.

If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.1: SURFACE LAND DISPOSAL OF EFFLUENT

The following is required for new and major amendment permit applications. Renewal and minor amendment permit applications may be asked for this worksheet on a case by case basis.

Section 1. Surface Disposal (Instructions Page 72)

Complete the item that applies for the method of disposal being used.

A. Irrigation

Area under irrigation, in acres: Click to enter text.

Design application frequency:

hours/day Click to enter text. **And** days/week Click to enter text.

Land grade (slope):

average percent (%): Click to enter text.

maximum percent (%): Click to enter text.

Design application rate in acre-feet/acre/year: Click to enter text.

Design total nitrogen loading rate, in lbs N/acre/year: Click to enter text.

Soil conductivity (mmhos/cm): Click to enter text.

Method of application: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations, method of application, irrigation efficiency, and nitrogen balance.

Attachment: Click to enter text.

B. Evaporation ponds

Daily average effluent flow into ponds, in gallons per day: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations.

Attachment: Click to enter text.

C. Evapotranspiration beds

Number of beds: Click to enter text.

Area of bed(s), in acres: Click to enter text.

Depth of bed(s), in feet: Click to enter text.

Void ratio of soil in the beds: Click to enter text.

Storage volume within the beds, in acre-feet: Click to enter text.

Attach a separate engineering report with the water balance and storage volume calculations, and a description of the lining.

Attachment: Click to enter text.

D. Overland flow

Area used for application, in acres: Click to enter text.

Slopes for application area, percent (%): Click to enter text.

Design application rate, in gpm/foot of slope width: Click to enter text.

Slope length, in feet: Click to enter text.

Design BOD_5 loading rate, in lbs BOD_5/acre/day: Click to enter text.

Design application frequency:

hours/day: Click to enter text. **And** days/week: Click to enter text.

Attach a separate engineering report with the method of application and design requirements according to *30 TAC Chapter 217*.

Attachment: Click to enter text.

Section 2. Edwards Aquifer (Instructions Page 73)

Is the facility subject to *30 TAC Chapter 213*, Edwards Aquifer Rules?

☐ Yes ☐ No

If **yes**, is the facility located on the Edwards Aquifer Recharge Zone?

☐ Yes ☐ No

If yes, attach a geological report addressing potential recharge features.

Attachment: Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.2: SURFACE LAND DISPOSAL OF EFFLUENT

The following **is required** for **new and major amendment** permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **does not meet** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System.*

Section 1. Subsurface Application (Instructions Page 74)

Identify the type of system:

- ☐ Conventional Gravity Drainfield, Beds, or Trenches (new systems must be less than 5,000 GPD)
- ☐ Low Pressure Dosing
- ☐ Other, specify: Click to enter text.

Application area, in acres: Click to enter text.

Area of drainfield, in square feet: Click to enter text.

Application rate, in gal/square foot/day: Click to enter text.

Depth to groundwater, in feet: Click to enter text.

Area of trench, in square feet: Click to enter text.

Dosing duration per area, in hours: Click to enter text.

Number of beds: Click to enter text.

Dosing amount per area, in inches/day: Click to enter text.

Infiltration rate, in inches/hour: Click to enter text.

Storage volume, in gallons: Click to enter text.

Area of bed(s), in square feet: Click to enter text.

Soil Classification: Click to enter text.

Attach a separate engineering report with the information required in *30 TAC § 309.20,* excluding the requirements of § 309.20 b(3)(A) and (B) design analysis which may be asked for on a case by case basis. Include a description of the schedule of dosing basin rotation.

Attachment: Click to enter text.

Section 2. Edwards Aquifer (Instructions Page 74)

Is the subsurface system over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

☐ Yes ☐ No

Is the subsurface system over the Edwards Aquifer Transition Zone as mapped by TCEQ?

☐ Yes ☐ No

If yes to either question, the subsurface system may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team, at 512-239-4671, to schedule a pre-application meeting.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL (SADDS) LAND DISPOSAL OF EFFLUENT

The following **is required** for **new and major amendment** subsurface area drip dispersal system permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **meets** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System.*

Section 1. Administrative Information (Instructions Page 75)

A. Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility:

B. Click to enter text. Is the owner of the land where the treatment facility is located the same as the owner of the treatment facility?

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the land where the treatment facility is located.

Click to enter text.

C. Owner of the subsurface area drip dispersal system: Click to enter text.

D. Is the owner of the subsurface area drip dispersal system the same as the owner of the wastewater treatment facility or the site where the wastewater treatment facility is located?

☐ Yes ☐ No

If **no**, identify the names of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.C.

Click to enter text.

E. Owner of the land where the subsurface area drip dispersal system is located: Click to enter text.

F. Is the owner of the land where the subsurface area drip dispersal system is located the same as owner of the wastewater treatment facility, the site where the wastewater treatment facility is located, or the owner of the subsurface area drip dispersal system?

☐ Yes ☐ No

If **no**, identify the name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.E.

Click to enter text.

Section 2. Subsurface Area Drip Dispersal System (Instructions Page 75)

A. Type of system

☐ Subsurface Drip Irrigation

☐ Surface Drip Irrigation

☐ Other, specify: Click to enter text.

B. Irrigation operations

Application area, in acres: Click to enter text.

Infiltration Rate, in inches/hour: Click to enter text.

Average slope of the application area, percent (%): Click to enter text.

Maximum slope of the application area, percent (%): Click to enter text.

Storage volume, in gallons: Click to enter text.

Major soil series: Click to enter text.

Depth to groundwater, in feet: Click to enter text.

C. Application rate

Is the facility located **west** of the boundary shown in *30 TAC § 222.83* **and** also using a vegetative cover of non-native grasses over seeded with cool season grasses during the winter months (October-March)?

☐ Yes ☐ No

If yes, then the facility may propose a hydraulic application rate not to exceed 0.1 gal/square foot/day.

Is the facility located **east** of the boundary shown in *30 TAC § 222.83* **or** in any part of the state when the vegetative cover is any crop other than non-native grasses?

☐ Yes ☐ No

If **yes**, the facility must use the formula in *30 TAC §222.83* to calculate the maximum hydraulic application rate.

Do you plan to submit an alternative method to calculate the hydraulic application rate for approval by the executive director?

☐ Yes ☐ No

Hydraulic application rate, in gal/square foot/day: Click to enter text.

Nitrogen application rate, in lbs/gal/day: Click to enter text.

D. Dosing information

Number of doses per day: Click to enter text.

Dosing duration per area, in hours: Click to enter text.

Rest period between doses, in hours: Click to enter text.

Dosing amount per area, in inches/day: Click to enter text.

Number of zones: Click to enter text.

Does the proposed subsurface drip irrigation system use tree vegetative cover as a crop?

☐ Yes ☐ No

If **yes**, provide a vegetation survey by a certified arborist. Please call the Water Quality Assessment Team at (512) 239-4671 to schedule a pre-application meeting.

Attachment: Click to enter text.

Section 3. Required Plans (Instructions Page 75)

A. Recharge feature plan

Attach a Recharge Feature Plan with all information required in *30 TAC §222.79*.

Attachment: Click to enter text.

B. Soil evaluation

Attach a Soil Evaluation with all information required in *30 TAC §222.73*.

Attachment: Click to enter text.

C. Site preparation plan

Attach a Site Preparation Plan with all information required in *30 TAC §222.75*.

Attachment: Click to enter text.

D. Soil sampling/testing

Attach soil sampling and testing that includes all information required in *30 TAC §222.157*.

Attachment: Click to enter text.

Section 4. Floodway Designation (Instructions Page 76)

A. Site location

Is the existing/proposed land application site within a designated floodway?

☐ Yes ☐ No

B. Flood map

Attach either the FEMA flood map or alternate information used to determine the floodway.

Attachment: Click to enter text.

Section 5. Surface Waters in the State (Instructions Page 76)

A. Buffer Map

Attach a map showing appropriate buffers on surface waters in the state, water wells, and springs/seeps.

Attachment: Click to enter text.

B. Buffer variance request

Do you plan to request a buffer variance from water wells or waters in the state?

☐ Yes ☐ No

If yes, then attach the additional information required in *30 TAC § 222.81(c).*

Attachment: Click to enter text.

Section 6. Edwards Aquifer (Instructions Page 76)

A. Is the SADDS located over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

☐ Yes ☐ No

B. Is the SADDS located over the Edwards Aquifer Transition Zone as mapped by TCEQ?

☐ Yes ☐ No

If yes to either question, then the SADDS may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team at 512-239-4671 to schedule a pre-application meeting.

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: 08/09/23@08:00

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile	<3.0		1	50
Aldrin	<0.003		1	0.01
Aluminum	53.1		1	2.5
Anthracene	<0.35		1	10
Antimony	0.58		1	5
Arsenic	2.31		1	0.5
Barium	60.0		1	3
Benzene	<1.0		1	10
Benzidine	<0.66		1	50
Benzo(a)anthracene	<0.38		1	5
Benzo(a)pyrene	<0.85		1	5
Bis(2-chloroethyl)ether	<0.72		1	10
Bis(2-ethylhexyl)phthalate	<2.2		1	10
Bromodichloromethane	17.8		1	10
Bromoform	1.66		1	10
Cadmium	<0.6		1	1
Carbon Tetrachloride	<1.0		1	2
Carbaryl	<2.53		1	5
Chlordane*	<0.10		1	0.2
Chlorobenzene	<1.0		1	10
Chlorodibromomethane	13.1		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform	16.2		1	10
Chlorpyrifos	<0.04		1	0.05
Chromium (Total)	0.43		1	3
Chromium (Tri) **(*1)**	<3.0		1	N/A
Chromium (Hex)	<3.0		1	3
Copper	9.03		1	2
Chrysene	<0.57		1	5
p-Chloro-m-Cresol	<4.0		1	10
4,6-Dinitro-o-Cresol	<5.0		1	50
p-Cresol	<4.0		1	10
Cyanide **(*2)**	<2.2		1	10
4,4'- DDD	<0.006		1	0.1
4,4'- DDE	<0.002		1	0.1
4,4'- DDT	<0.004		1	0.02
2,4-D	<0.19		1	0.7
Demeton (O and S)	<0.04		1	0.20
Diazinon	<0.04		1	0.5/0.1
1,2-Dibromoethane	<1.0		1	10
m-Dichlorobenzene	<0.53		1	10
o-Dichlorobenzene	<0.41		1	10
p-Dichlorobenzene	<0.25		1	10
3,3'-Dichlorobenzidine	<0.88		1	5
1,2-Dichloroethane	<1.0		1	10
1,1-Dichloroethylene	<1.0		1	10
Dichloromethane	<1.0		1	20
1,2-Dichloropropane	<1.0		1	10
1,3-Dichloropropene	<1.0		1	10
Dicofol	<0.05		1	1
Dieldrin	<0.003		1	0.02
2,4-Dimethylphenol	<0.53		1	10
Di-n-Butyl Phthalate	<1.20		1	10
Diuron	<0.0455		1	0.09
Endosulfan I (alpha)	<0.003		1	0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)	<0.01		1	0.02
Endosulfan Sulfate	<0.003		1	0.1
Endrin	<0.004		1	0.02
Ethylbenzene	<1.0		1	10
Fluoride	599		1	500
Guthion	<0.04		1	0.1
Heptachlor	<0.005		1	0.01
Heptachlor Epoxide	<0.002		1	0.01
Hexachlorobenzene	<0.69		1	5
Hexachlorobutadiene	<0.41		1	10
Hexachlorocyclohexane (alpha)	<0.008		1	0.05
Hexachlorocyclohexane (beta)	<0.01		1	0.05
gamma-Hexachlorocyclohexane (Lindane)	<0.005		1	0.05
Hexachlorocyclopentadiene	<0.35		1	10
Hexachloroethane	<0.47		1	20
Hexachlorophene	<5.26		1	10
Lead	<0.19		1	0.5
Malathion	<0.05		1	0.1
Mercury	0.00216		1	0.005
Methoxychlor	<0.005		1	2
Methyl Ethyl Ketone	1.11		1	50
Mirex	<0.01		1	0.02
Nickel	1.96		1	2
Nitrate-Nitrogen	10600		1	100
Nitrobenzene	<0.91		1	10
N-Nitrosodiethylamine	<0.47		1	20
N-Nitroso-di-n-Butylamine	<5.0		1	20
Nonylphenol	<5.0		1	333
Parathion (ethyl)	<0.06		1	0.1
Pentachlorobenzene	<3.0		1	20
Pentachlorophenol	<0.5		1	5
Phenanthrene	<0.44		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) **(*3)**	<0.08		1	0.2
Pyridine	<0.35		1	20
Selenium	<0.6		1	5
Silver	<0.06		1	0.5
1,2,4,5-Tetrachlorobenzene	<5.0		1	20
1,1,2,2-Tetrachloroethane	<1.0		1	10
Tetrachloroethylene	<1.0		1	10
Thallium	<0.03		1	0.5
Toluene	<1.0		1	10
Toxaphene	<0.10		1	0.3
2,4,5-TP (Silvex)	<0.19		1	0.3
Tributyltin (see instructions for explanation)	NA		1	0.01
1,1,1-Trichloroethane	<1.0		1	10
1,1,2-Trichloroethane	<1.0		1	10
Trichloroethylene	<1.0		1	10
2,4,5-Trichlorophenol	<0.85		1	50
TTHM (Total Trihalomethanes)	48.76		1	10
Vinyl Chloride	<1.0		1	10
Zinc	20.4		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: 08/09/23@08:00

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	0.58		1	5
Arsenic	2.31		1	0.5
Beryllium	<0.09		1	0.5
Cadmium	<0.06		1	1
Chromium (Total)	<3.0		1	3
Chromium (Hex)	<3.0		1	3
Chromium (Tri) **(*1)**	<3.0		1	N/A
Copper	9.03		1	2
Lead	<0.19		1	0.5
Mercury	0.00216		1	0.005
Nickel	1.96		1	2
Selenium	<0.6		1	5
Silver	<0.06		1	0.5
Thallium	<0.03		1	0.5
Zinc	20.4		1	5
Cyanide **(*2)**	<2.2		1	10
Phenols, Total	<4.5		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	<6.0		1	50
Acrylonitrile	<3.0		1	50
Benzene	<1.0		1	10
Bromoform	1.66		1	10
Carbon Tetrachloride	<1.0		1	2
Chlorobenzene	<1.0		1	10
Chlorodibromomethane	13.1		1	10
Chloroethane	<1.0		1	50
2-Chloroethylvinyl Ether	<6.0		1	10
Chloroform	16.2		1	10
Dichlorobromomethane [Bromodichloromethane]	17.8		1	10
1,1-Dichloroethane	<1.0		1	10
1,2-Dichloroethane	<1.0		1	10
1,1-Dichloroethylene	<1.0		1	10
1,2-Dichloropropane	<1.0		1	10
1,3-Dichloropropylene [1,3-Dichloropropene]	<1.0		1	10
1,2-Trans-Dichloroethylene	<1.0		1	10
Ethylbenzene	<1.0		1	10
Methyl Bromide	<2.0		1	50
Methyl Chloride	<1.0		1	50
Methylene Chloride	<1.0		1	20
1,1,2,2-Tetrachloroethane	<1.0		1	10
Tetrachloroethylene	<1.0		1	10
Toluene	2.15		1	10
1,1,1-Trichloroethane	<1.0		1	10
1,1,2-Trichloroethane	<1.0		1	10
Trichloroethylene	<1.0		1	10
Vinyl Chloride	<1.0		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	<0.5		1	10
2,4-Dichlorophenol	<0.69		1	10
2,4-Dimethylphenol	<0.53		1	10
4,6-Dinitro-o-Cresol	<0.66		1	50
2,4-Dinitrophenol	<1.4		1	50
2-Nitrophenol	<0.88		1	20
4-Nitrophenol	<1.1		1	50
P-Chloro-m-Cresol	7.95		1	10
Pentalchlorophenol	<0.5		1	5
Phenol	4.90		1	10
2,4,6-Trichlorophenol	<0.79		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	<0.28		1	10
Acenaphthylene	<0.47		1	10
Anthracene	<0.35		1	10
Benzidine	<0.66		1	50
Benzo(a)Anthracene	<0.38		1	5
Benzo(a)Pyrene	<0.85		1	5
3,4-Benzofluoranthene	<0.57		1	10
Benzo(ghi)Perylene	<0.63		1	20
Benzo(k)Fluoranthene	<0.57		1	5
Bis(2-Chloroethoxy)Methane	<0.35		1	10
Bis(2-Chloroethyl)Ether	<0.72		1	10
Bis(2-Chloroisopropyl)Ether	<0.85		1	10
Bis(2-Ethylhexyl)Phthalate	<2.2		1	10
4-Bromophenyl Phenyl Ether	<0.41		1	10
Butyl benzyl Phthalate	<0.69		1	10
2-Chloronaphthalene	<0.28		1	10
4-Chlorophenyl phenyl ether	<0.66		1	10
Chrysene	<0.57		1	5
Dibenzo(a,h)Anthracene	<0.69		1	5
1,2-(o)Dichlorobenzene	<0.41		1	10
1,3-(m)Dichlorobenzene	<0.53		1	10
1,4-(p)Dichlorobenzene	<0.25		1	10
3,3-Dichlorobenzidine	<0.88		1	5
Diethyl Phthalate	<0.63		1	10
Dimethyl Phthalate	<0.72		1	10
Di-n-Butyl Phthalate	<1.20		1	10
2,4-Dinitrotoluene	<0.97		1	10
2,6-Dinitrotoluene	<1.2		1	10
Di-n-Octyl Phthalate	<2.8		1	10
1,2-Diphenylhydrazine (as Azo-benzene)	<0.22		1	20
Fluoranthene	<0.44		1	10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene	<0.47		1	10
Hexachlorobenzene	<0.69		1	5
Hexachlorobutadiene	<0.41		1	10
Hexachlorocyclo-pentadiene	<0.35		1	10
Hexachloroethane	<0.47		1	20
Indeno(1,2,3-cd)pyrene	<0.22		1	5
Isophorone	<0.28		1	10
Naphthalene	<0.31		1	10
Nitrobenzene	<0.91		1	10
N-Nitrosodimethylamine	<0.79		1	50
N-Nitrosodi-n-Propylamine	<0.72		1	20
N-Nitrosodiphenylamine	<0.47		1	20
Phenanthrene	<0.44		1	10
Pyrene	<0.57		1	10
1,2,4-Trichlorobenzene	<0.53		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	<0.003		1	0.01
alpha-BHC (Hexachlorocyclohexane)	<0.008		1	0.05
beta-BHC (Hexachlorocyclohexane)	<0.01		1	0.05
gamma-BHC (Hexachlorocyclohexane)	<0.005		1	0.05
delta-BHC (Hexachlorocyclohexane)	<0.004		1	0.05
Chlordane	<0.10		1	0.2
4,4-DDT	<0.004		1	0.02
4,4-DDE	<0.002		1	0.1
4,4,-DDD	<0.006		1	0.1
Dieldrin	<0.003		1	0.02
Endosulfan I (alpha)	<0.003		1	0.01
Endosulfan II (beta)	<0.01		1	0.02
Endosulfan Sulfate	<0.003		1	0.1
Endrin	<0.004		1	0.02
Endrin Aldehyde	<0.008		1	0.1
Heptachlor	<0.005		1	0.01
Heptachlor Epoxide	<0.002		1	0.01
PCB-1242	<0.01		1	0.2
PCB-1254	<0.01		1	0.2
PCB-1221	<0.01		1	0.2
PCB-1232	<0.01		1	0.2
PCB-1248	<0.01		1	0.2
PCB-1260	<0.01		1	0.2
PCB-1016	<0.02		1	0.2
Toxaphene	<0.10		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: 08/09/2023

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	**<5.11**				10
1,2,3,7,8 PeCDD	0.5					50
2,3,7,8 HxCDDs	0.1					50
1,2,3,4,6,7,8 HpCDD	0.01					50
2,3,7,8 TCDF	0.1					10
1,2,3,7,8 PeCDF	0.05					50
2,3,4,7,8 PeCDF	0.5					50
2,3,7,8 HxCDFs	0.1					50
2,3,4,7,8 HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					0.5
PCB 81	0.0003					0.5
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

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: o

48-hour Acute: See Attachment P

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
	See Attachment P		

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: 0.0153

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

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

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

WORKSHEET 7.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

TCEQ
IUC Permits Team
Radioactive Materials Division
MC-233
PO Box 13087
Austin, Texas 78711-3087
512-239-6466

For TCEQ Use Only
Reg. No._____
Date Received_____
Date Authorized_____

Section 1. General Information (Instructions Page 92)

1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): Click to enter text.

Program ID: Click to enter text.

Contact Name: Click to enter text.

Phone Number: Click to enter text.

2. Agent/Consultant Contact Information

Contact Name: Click to enter text.

Address: Click to enter text.

City, State, and Zip Code: Click to enter text.

Phone Number: Click to enter text.

3. Owner/Operator Contact Information

☐ Owner ☐ Operator

Owner/Operator Name: Click to enter text.

Contact Name: Click to enter text.

Address: Click to enter text.

City, State, and Zip Code: Click to enter text.

Phone Number: Click to enter text.

4. Facility Contact Information

Facility Name: Click to enter text.

Address: Click to enter text.

City, State, and Zip Code: Click to enter text.

Location description (if no address is available): Click to enter text.

Facility Contact Person: Click to enter text.

Phone Number: Click to enter text.

5. **Latitude and Longitude, in degrees-minutes-seconds**

Latitude: Click to enter text.

Longitude: Click to enter text.

Method of determination (GPS, TOPO, etc.): Click to enter text.

Attach topographic quadrangle map as attachment A.

6. **Well Information**

Type of Well Construction, select one:

- ☐ Vertical Injection
- ☐ Subsurface Fluid Distribution System
- ☐ Infiltration Gallery
- ☐ Temporary Injection Points
- ☐ Other, Specify: Click to enter text.

Number of Injection Wells: Click to enter text.

7. **Purpose**

Detailed Description regarding purpose of Injection System:

Click to enter text.

Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.)

8. **Water Well Driller/Installer**

Water Well Driller/Installer Name: Click to enter text.

City, State, and Zip Code: Click to enter text.

Phone Number: Click to enter text.

License Number: Click to enter text.

Section 2. Proposed Down Hole Design

Attach a diagram signed and sealed by a licensed engineer as Attachment C.

Table 7.0(1) – Down Hole Design Table

Name of String	Size	Setting Depth	Sacks Cement/Grout – Slurry Volume – Top of Cement	Hole Size	Weight (lbs/ft) PVC/Steel
Casing					
Tubing					
Screen					

Section 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: Click to enter text.

System(s) Construction: Click to enter text.

Section 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: Click to enter text.
2. Receiving Formation Name of Injection Zone: Click to enter text.
3. Well/Trench Total Depth: Click to enter text.
4. Surface Elevation: Click to enter text.
5. Depth to Ground Water: Click to enter text.
6. Injection Zone Depth: Click to enter text.
7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No

   Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:

   Name: Click to enter text.

   Thickness: Click to enter text.
8. Provide a list of contaminants and the levels (ppm) in contaminated aquifer

   Attach as Attachment E.
9. Horizontal and Vertical extent of contamination and injection plume

   Attach as Attachment F.
10. Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc.

    Attach as Attachment G.
11. Injection Fluid Chemistry in PPM at point of injection

    Attach as Attachment H.
12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: Click to enter text.
13. Maximum injection Rate/Volume/Pressure: Click to enter text.
14. Water wells within 1/4 mile radius (attach map as Attachment I): Click to enter text.
15. Injection wells within 1/4 mile radius (attach map as Attachment J): Click to enter text.
16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): Click to enter text.
17. Sampling frequency: Click to enter text.
18. Known hazardous components in injection fluid: Click to enter text.

Section 5. Site History

1. Type of Facility: Click to enter text.
2. Contamination Dates: Click to enter text.
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations (attach as Attachment L): Click to enter text.
4. Previous Remediation (attach results of any previous remediation as attachment M): Click to enter text.

NOTE: Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

Class V Injection Well Designations

5A07 Heat Pump/AC return (IW used for groundwater to heat and/or cool buildings)
5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
5D02 Storm Water Drainage (IW designed for the disposal of rain water)
5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
5F01 Agricultural Drainage (IW that receive agricultural runoff)
5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)
5S23 Subsidence Control Wells (IW used to control land subsidence caused by ground water withdrawal)
5W09 Untreated Sewage
5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
5W12 WTTP disposal
5W20 Industrial Process Waste Disposal Wells
5W31 Septic System (Well Disposal method)
5W32 Septic System Drainfield Disposal
5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, and/or fill sections of a mine)
5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
5X27 Other Wells
5X28 Motor Vehicle Waste Disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)
5X29 Abandoned Drinking Water Wells (waste disposal)

NB Davidson WWTP
Appendix A - Basis of Design Calculations

Actual Oxygen Required

Design Concentrations

Air requirements - Assuming complete nitrification, NO denitrification credit

BOD5	200	mg/l
TKN	45	mg/l

O_2R per lb of BOD5	1.2	lb
O_2R per lb of TKN	4.3	lb

For 1.6 MGD (Design Case)	1,600,000	gallons/day
BOD5	2,671	lb BOD5/day
TKN	600.91	lb TKN/day
Total Actual Oxygen Requirement	5,789	lb O2/day (AOR)
	4.02	lb O2/min (AOR)
Basin Count	3	n-1
(DESIGN BASIS) AOR per Basin	1,930	lb O2/day (AOR)

Air requirements - Assuming complete nitrification, w/ denitrification credit

BOD5	200	mg/l
TKN	45	mg/l

O_2R per lb of BOD5	1.2	lb
O2R per lb of TKN	1.7	lb

City of Huntsville
NB Davidson WWTP - Basis of Design Calcs
AOR Calcs

For 1.6 MGD	1,600,000	gallons/day
BOD5	2,671	lb BOD5/day
TKN	600.91	lb TKN/day
Total Actual Oxygen Requirement	4,226	lb O2/day (AOR)
	2.93	lb O2/min (AOR)
Basin Count	3	n-1
AOR per Basin	1,409	lb O2/day (AOR)

City of Huntsville
NB Davidson WWTP - Basis of Design Calcs
SBR Basin Sizing - Hydraulics

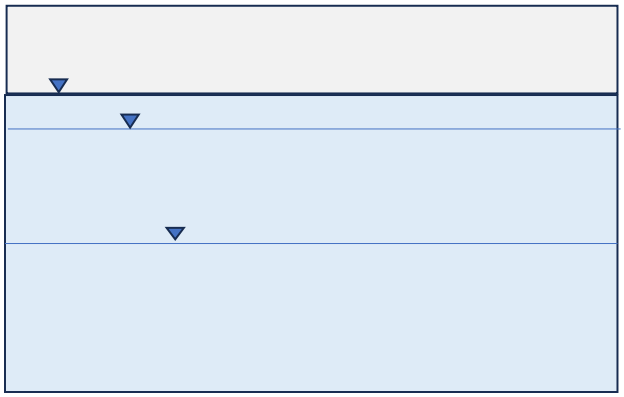
30 TAC §217.154(b)(2) Aeration Basin and Clarifier Sizing - Traditional Design dictates that an SBR Basin shall be designed with a maximum organic loading rate of 35 lbs. BOD5/day/1,000 cubic feet (cf).

$$Min.\,Basin\,Volume = 35\ \frac{lbs\ BOD5}{day}/1{,}000ft^3$$

Maximum loading rate	35	lbs. BOD5/day/1,000 cubic feet (cf)
BOD5 Concentration	200	mg/l
For 1.6 MGD	1,600,000.00	gallons/day
BOD5 Loading	2,670.70	lb/day
Min. Total Basin Volume	76,305.60	cf
Assumed TWL	20.00	ft
Min. Total Basin Area	3,815.28	ft^2
Number of Basins	4	
Min. Area per Basin	953.82	ft^2
Basin Width	30	ft
Min. Basin Length	31.79	ft
Proposed Basin Width	32	ft
Proposed Basin Length	85	ft
Proposed Basin Area	2,720	ft^2
Proposed Basin Volume	217,600.00	ft^3
Proposed Basin Volume	1,627,865.60	GAL
Proposed Basin Volume	1.63	MGAL
% of Time Aerated	50	%
Actual Loading Rate	24.55	lbs. BOD5/day/1,000 cubic feet (cf)
EQ Basin Width	15	ft
EQ Basin Length	132.5	ft
Water Level	9	ft
EQ Basin Volume	133,807	gal

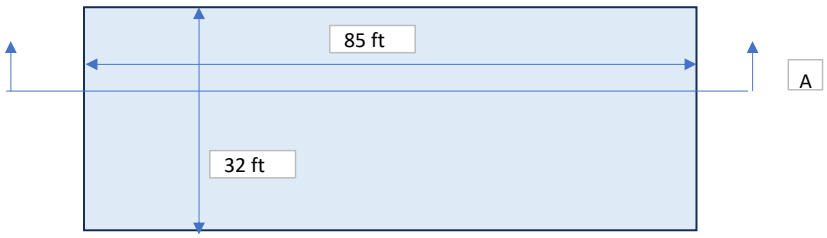
City of Huntsville
NB Davidson WWTP - Basis of Design Calcs
Basin Sketch

Top of Wall	23.00	ft
Freeboard	1.50	ft
Max Water Level	21.50	ft
Top Water Level	20.00	ft
Bottom Water Level	13.45	ft
Floor	0.00	ft



Profile (A-A)

Basin Length	85.00	ft
Basin Width	32.00	ft
Basin Area	2,720	ft^2
	7.48	gal/ft^3
Max liquid Volume (MAX)	58,480	cu ft
	437,460	gal
Top Water Level Volume	54,400	cu ft
	406,939	gal
Volume at Lowest Decant	36,584	cu ft
	273,667	gal
Normal Working Volume	17,816	cu ft
	133,273	gal
Max Working Volume	21,896	cu ft
	163,793	gal
Basin Count	4.00	n
Total Basin Volume @ TWL	1,627,757	gal
Basin Count	3	n-1
Total Basin Volume @ TWL	1,220,818	gal



Plan

City of Huntsville
NB Davidson WWTP - Basis of Design Calcs

Proposed Basin Volumes Operating @ 1.6 MGD ADF w/ 1 Basin Out of Service		
Top of Wall	23	ft
Min. Freeboard	1.5	ft
HWL (Peak Flow)	21.5	ft
TWL (Average Flow)	20	ft
Number of Basins in Operation	3	n-1
Peak Hydraulic Flow Rate per Basin	533,333.33	gal/day
Cycles per Day	5	
Peak Hydraulic Flow Rate per Batch	106,666.67	gal/cycle
Volume per Batch	14,260	ft^3
Basin Width	32	ft
Basin Length	85	ft
Area per Basin	2,720	ft^2
Volume per Basin	54,400	ft^3
Total Basin Volume	217,600	ft^3
Height per Batch	5.24	ft
BWL	14.76	
Volume Below BWL	300,245.33	gal

City of Huntsville
NB Davidson WWTP - Basis of Design Calcs
SOR & Blower Calcs

Source: Sanitaire Diffused Air Design Guide

$$\frac{AOR}{SOR} = .33 \qquad SOR\,\frac{LB}{DAY} \div \frac{1{,}440min}{day} = SOR\,\frac{lbO_2}{minute}$$

$$SCFM\ Air = \frac{SOR\,\frac{lbO2}{minute}}{(\text{OTE \%} \times \text{Submergence}) \times (\text{Density of Air} \times \text{\% O2 per lb of Air})}$$

Air requirements - Assuming complete nitrification, NO denitrification credit
(DESIGN BASIS)

Average Daily Flow and City-wide Average Concentrations (DESIGN CASE)		
CBOD5	200	mg/l
TKN	45	mg/l
Average Daily	1,600,000	gal/day
AOR **Per Basin**	1,930	lb O_2/Day
AOR/SOR	0.33	From Sanitaire for FINE BUBBBLE aeration
SOR	**5,847.21**	lb O_2/Day
	1,440	min/day
	4.06	lb O_2/min
Transfer efficiency	2.00%	Trasfer eff/ft submergence
Submergence	**19**	ft
Transfer efficiency (OTE)	**0.38**	Oxygen transfer efficiency in clear water
Density of Air	0.075	lb/cu ft
lb O2/lb air	0.23	Fraction O_2 in Air
	0.01725	lbO_2/SCFM
Transfer rate	**0.006555**	lb O_2/min/SCFM
Time Aerated per Day	8.00	hours
Air demand **Per Basin**	619.46	scfm air
Blower Size **Per Basin**	1,858.38	scfm **(Assuming 8 Hours of Aeration per Basin)**

Adiabatic Compression Formula

$$BHP = \frac{SCFM(.23)\left[\left(\frac{14.7+P}{14.7}\right)^{0.283} - 1.0\right]}{\text{MECHANICAL EFFICIENCY}}$$

Where BHP (brake horsepower) = $\frac{\text{adiabatic horsepower}}{\text{mechanical efficiency}}$

P = Blower discharge pressure in PSIG

Estimated Blower HP		
P	10.7	Blower discharge pressure, psia
η	0.7	Mechanical Efficiency
BHP **Per Basin**	**102.21**	

Max Day/Month Flow and City-wide Average Concentrations		
BOD5	200	mg/l
TKN	45	mg/l
MAX Day/Month	2,288,000	gal/day
AOR	8,277.89	lb O_2/Day
AOR/SOR	0.33	From Sanitaire for FINE BUBBLE Diffusers
SOR	**25,084.51**	lb O_2/Day
	1,440	min/day
	17.42	lb O_2/min
Transfer efficiency	2.00%	Trasfer eff/ft submergence
Submergence	**20.5**	ft
Transfer efficiency	**0.41**	Oxygen transfer efficiency in clear water
Density of Air	0.075	lb/cu ft
lb O2/lb air	0.23	Fraction O_2 in Air
	0.01725	lbO_2/SCFM
Transfer rate	**0.0070725**	lb O_2/min/SCFM
Time Aerated per Day	8.00	hours
Air demand	2,463.03	scfm air
Blower Size **Per Basin**	7,389.10	scfm **(Assuming 8 Hours of Aeration per Basin)**

Adiabatic Compression Formula

$$BHP = \frac{SCFM(.23)\left[\left(\frac{14.7+P}{14.7}\right)^{0.283} - 1.0\right]}{\text{MECHANICAL EFFICIENCY}}$$

Where BHP (brake horsepower) = $\frac{\text{adiabatic horsepower}}{\text{mechanical efficiency}}$

P = Blower discharge pressure in PSIG

Estimated Blower HP		
P	10.7	Blower discharge pressure, psia
η	0.7	Mechanical Efficiency
Q*p/(229*eff)	Q*p/(229*eff)	approx HP (uncorrected for temp, compressability)
BHP **Per Basin**	**132.52**	

City of Huntsville
N.B. Davidson WWTP
EQ Basin Air Requirements

Equalization Basin Air Requirements

Number of Basins	1	
Length	133.25	ft
Width	15	ft
Depth	23	ft
Volume	**45971.25**	cf

Air requirment	20	SCFM/1000ft^3
Air flow rate required	**919.425**	SCFM

City of Huntsville
NB Davidson WWTP - Basis of Design Calcs
Cycle Schedules

Cycle Schedule - 4 Basins in Operation					
Cycles (batches) per Day per Basin	4	5	6	8	10
Basins in Operation	4	4	4	4	4
Hours per Day	24	24	24	24	24
Hours per Cycle	6	4.8	4	3	2.4
Minutes per Cycle	360	288	240	180	144
Fill % of Cycle	25%	25%	25%	25%	25%
React % of Cycle	35%	35%	35%	35%	35%
Settle % of Cycle	20%	20%	20%	20%	20%
Decant % of Cycle	20%	20%	20%	20%	20%
Fill Min	90.00	72.00	60.00	45.00	36.00
React Min	126.00	100.80	84.00	63.00	50.40
Settle Min	72.00	57.60	48.00	36.00	28.80
Decant Min	72.00	57.60	48.00	36.00	28.80

Cycle Schedule - 4 Basins in Operation - Decant Rates					
Flow, MGD	6.50	6.50	6.50	6.50	6.50
Flow, gpm	4,513.89	4,513.89	4,513.89	4,513.89	4,513.89
Min to fill working vol	30	30	30	30	30
Working volumes filled in 2 hrs	4	4	4	4	4
decant rate at max level	2,275	2,844	3,412	4,550	5,687

N-1 Cycle Schedule - 3 Basins in Operation					
Cycles (batches) per Day per Basin	4	5	6	8	10
Basins in Operation	3	3	3	3	3
Hours per Day	24	24	24	24	24
Hours per Cycle	6	4.8	4	3	2.4
Minutes per Cycle	360	288	240	180	144
Fill % of Cycle	25%	25%	25%	25%	25%
React % of Cycle	35%	35%	35%	35%	35%
Settle % of Cycle	20%	20%	20%	20%	20%
Decant % of Cycle	20%	20%	20%	20%	20%
Fill Min	90.00	72.00	60.00	45.00	36.00
React Min	126.00	100.80	84.00	63.00	50.40
Settle Min	72.00	57.60	48.00	36.00	28.80
Decant Min	72.00	57.60	48.00	36.00	28.80

N-1 Cycle Schedule - 3 Basins in Operation - Decant Rates					
Flow, MGD	6.50	6.50	6.50	6.50	6.50
Flow, gpm	4,513.89	4,513.89	4,513.89	4,513.89	4,513.89
Min to fill working vol	30	30	30	30	30
Working volumes filled in 2 hrs	4	4	4	4	4
decant rate at max level, gpm	2,275	2,844	3,412	4,550	5,687

City of Huntsville
NB Davidson WWTP - Basis of Design Calcs
Disk Filter Calculations

Source: TCEQ §217.193(c)(2).

$$Minimim\ Filter\ Surface\ Area = \frac{Peak\ FlowRate \frac{gal}{minute}}{6.5\ \frac{gal}{minute/ft^2}}$$

For 4 MGD PEAK FLOW		
Peak Flow Rate	4.00	MGD
	4,000,000	gallons/day
	1,444	min/day
	2,770	gpm
Flow Rate per Surface Area	6.5	gal/min/ft^2
Minimum Required Filter Suface Area	427.35	ft^2
Area per Filter Disk	72.0	ft^2
Min. Disks Required	6.00	
Total Recommended Disks	7.00	

For 6.5 MGD PEAK FLOW		
Peak Flow Rate	6.50	MGD
	6,500,000	gallons/day
	1,444	min/day
	4,501	gpm
Flow Rate per Surface Area	6.5	gal/min/ft^2
Minimum Required Filter Suface Area	694.44	ft^2
Area per Filter Disk	72.0	ft^2
Min. Disks Required	10.00	
Total Recommended Disks	11.00	

City of Huntsville
NB Davidson WWTP
Sludge Production Calcs

$$P_{X,TSS} = \frac{QY(S_0 - S)}{1 + k_d(\mathrm{SRT})} \cdot \frac{1}{0.85} + \frac{f_d k_d YQ(S_0 - S)(\mathrm{SRT})}{1 + k_d(\mathrm{SRT})} \cdot \frac{1}{0.85} + QX_{0,i} + Q(\mathrm{TSS}_0 - \mathrm{VSS}_0)$$

Source: Metcalf and Eddy Wastewater Engineering Treatment and Reuse Edition 4 Equation 7 – 53 page no. 594

Current Concentrations

Biomass yield (Y)	0.6	mg VSS/mg BOD
Endogeneous coefficient (Kd)	0.1	g VSS/g VSS d
Solids Retention time (SRT)	6	days
Influent total suspended solids (TSSo)	116.56	mg/l
Influent soluble substrate concentration (So)	86	mg/l
Effluent soluble substrate concentration (S)	10	mg/l
Fraction of Biomass that is left as Cell debris (Fd)	0.15	
rbVSS concentration in influent (Xo,i)	19	g/m^3
Influent Volatile Suspended solids (VSSo)	95	mg/l

For 0.92 MGD	920,000.00	gal
	3.79	litres/gal
	3,486,800.00	litres/day
Influent flowrate (Q)	3,486.80	m^3/day
$P_{X,TSS}$	268,856.89	m^3/d*mg/l
	268.86	1 m^3/day * 1 mg/L: = 0.001 kg/day kg/day
	2.21	lb/kg
Total Solids Wasted Daily ($P_{X,TSS}$)	592.83	lbs/day

For 1.6 MGD	1,600,000.00	gal
	3.79	litres/gal
	6,064,000.00	litres/day
Influent flowrate (Q)	6,064.00	m^3/day
$P_{X,TSS}$	467,577.20	m^3/d*mg/l
	467.58	1 m^3/day * 1 mg/L: = 0.001 kg/day kg/day
	2.21	lb/kg
Total Solids Wasted Daily ($P_{X,TSS}$)	1,031.01	lbs/day

Design Concentrations

Biomass yield (Y)	0.6	mg VSS/mg BOD
Endogeneous coefficient (Kd)	0.1	g VSS/g VSS d
Solids Retention time (SRT)	6	days
Influent total suspended solids (TSSo)	188	mg/l
Influent soluble substrate concentration (So)	200	mg/l
Effluent soluble Substrate concentration (S)	10	mg/l
Fraction of Biomass that is left as Cell debris (Fd)	0.15	
rbVSS concentration in influent (Xo,i)	19	g/m^3
Influent Volatile Suspended solids (VSSo)	95	mg/l

For 0.92 MGD	920,000.00	gal
	3.79	litres/gal
	3,486,800.00	litres/day
Influent flowrate (Q)	3,486.80	m^3/day
$P_{X,TSS}$	709,102.31	m^3/d*mg/l
	709.10	1 m^3/day * 1 mg/L: = 0.001 kg/day kg/day
	2.21	lb/kg
Total Solids Wasted Daily ($P_{X,TSS}$)	1,563.57	lbs/day

For 1.6 MGD (Design Case)	1,600,000.00	gal
	3.79	litres/gal
	6,064,000.00	litres/day
Q	6,064.00	m^3/day
$P_{X,TSS}$	1,233,221.41	m^3/d*mg/l
	1,233.22	1 m^3/day * 1 mg/L: = 0.001 kg/day kg/day
	2.21	lb/kg
Total Solids Wasted Daily ($P_{X,TSS}$)	2,719.25	lbs/day

City of Huntsville
NB Davidson WWTP - Basis of Design Calcs
Aerobic Digesters - Aeration

The following calculations were used to idntify the sludge dister aeration/mixing requirements, using 30 TAC §217.249. Sludge Stabilization (t)(7),

Difused Air Mixing

(G) If diffused air mixing is used, the energy input for mixing must be at least 20 standard cubic feet per minute per 1,000 cubic feet of aeration tank.

Aerobic Digestor Internal Diameter (ID)	45.00	ft
Aerobic Digester Depth(h)	13.00	ft
Existing Volume of Aerobic Digeseter (V)	**20,675.61**	ft^3
Assumed Solids Concentration	0.02	%
VSS Loading Rate	150.00	lbs/1,000 ft^3/day
Min. Air Requirements	20.00	SCFM/1,000 ft^3
Min. DO Concentration	0.50	mg/l
Min. Required Volume For 40 Day SRT	20,756.91	ft^3
Total Air Required	**413.51**	SCFM

Mechanical Mixing

(F) If mechanical aerators are used, the energy input for mixing must be at least 0.5 horsepower per 1,000 cubic feet.

Aerobic Digestor Internal Diameter (ID)	45.00	ft
Aerobic Digester Depth(h)	13.00	ft
Existing Volume of Aerobic Digeseter (V)	**20,675.61**	ft^3
Min. Horsepower Requirements	0.50	HP/1,000 ft^3
Min. Required Volume For 40 Day SRT	20,756.91	ft^3
Total Mixing HP Required	**10.34**	HP

City of Huntsville
NB Davidson WWTP - Basis of Design calcs
Sludge Drying Bed calcs

The following calculations were used to idntify the sludge dister aeration/mixing requirements, using 30 TAC §217.249. Sludge Stabilization (t)(7),

Figure: 30 TAC §217.250(e)(2)(A)(ii)

Table J.3. - Surface Area Requirements for Sludge Drying Beds

Stabilization Process	Pounds of Digested Dry Solids *per square foot per year*
Anaerobic Digestion	20.0
Aerobic Digestion	15.0

Current Concentrations

For 0.92 MGD		
Total Solids Wasted Daily (PX,TSS)	592.83	lbs/day
	0.002739726	day/year
	216382.7487	lbs/year
Pounds of Digested Dry solids	15	lbs/ft^2/year
Surface area required	**14,426**	ft^2

For 1.6 MGD		
Total Solids Wasted Daily (PX,TSS)	1,031.01	lbs/day
	0.002739726	day/year
	376,318	lbs/year
Pounds of Digested Dry solids	15	lbs/ft^2/year
Surface area required	**25,088**	ft^2

Design Concentrations

For 0.92 MGD		
Total Solids Wasted Daily (PX,TSS)	1,563.57	lbs/day
	0.002739726	day/year
	570,703	lbs/year
Pounds of Digested Dry solids	15	lbs/ft^2/year
Surface area required	**38,047**	ft^2

For 1.6 MGD		
Total Solids Wasted Daily (PX,TSS)	2,719.25	lbs/day
	0.002739726	day/year
	992,527	lbs/year
Pounds of Digested Dry solids	15	lbs/ft^2/year
Surface area required	**66,168**	ft^2

Minimum Digestor Volume Required @ Solids Concentration 0.75% and Sludge Concentration 2%

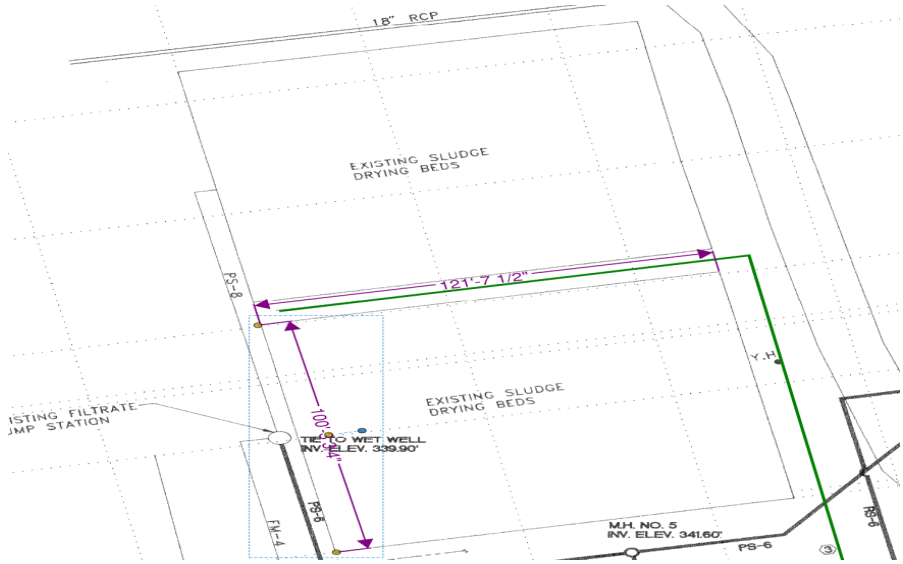
Portion of the Influent BOD Consisting of Raw Primary Solids (Y)	0.00%	
Influent Suspended Solids (Xi)	7,500	mg/l
Digester Suspended solids (X)	20,000	mg/l
Reaction rate Constant (Kd)	0.1	/day
Influent digester BOD5 (Si)	1,000	mg/l
Volatile fraction of digester suspended solids (Pv)	47%	
Sludge Retention time (SRT)	40	days

For 0.92 MGD @ .75% Solids Concentration , Sludge Concentation 2%		
Total Solids Wasted Daily ($P_{X,TSS}$)	592.83	lbs/day
Solids Concentration	0.75%	
	8.34	lb/gal
Influent average flow rate (Qi)	**9,477.69**	ft^3/d
Volume of Digestor	**49,362.96**	ft^3

For 1.6 MGD @ .75% Solids Concentration , Sludge Concentation 2%		
Total Solids Wasted Daily ($P_{X,TSS}$)	1,031.01	lbs/day
Solids Concentration	0.75%	
	8.34	lb/gal
Influent average flow rate (Qi)	**16,482.94**	ft^3/d
Volume of Digestor	**85,848.63**	ft^3

City of Huntsville
NB Davidson WWTP - Basis of Design calcs
Sludge Drying Bed calcs

Existing Sludge drying beds	
No. of sludge drying beds	4



Sludge drying bed		
Length	121.625	ft
width	100.3125	ft
Area	**12,201**	ft^2
Total sludge drying beds area	**48,802**	ft^2

Authorization ID: SAM100303
Contact ID: CITY OF HUNTSVILLE
Expiration Date: 12/31/2031
Use Code: 343, 342

FS-2700-4 (VER 03/17)
OMB No. 0596-0082

U.S. DEPARTMENT OF AGRICULTURE
Forest Service
SPECIAL USE PERMIT
AUTHORITY:
FEDERAL LAND POLICY AND MGMT ACT, AS AMENDED October 21, 1976

City of Huntsville of 1212 Avenue M, Huntsville, TX 77320 (hereinafter "the holder") is authorized to use or occupy National Forest System lands in the Sam Houston National Forest of the National Forests and Grasslands in Texas National Forest System, subject to the terms and conditions of this special use permit (the permit).

This permit covers a total of **23.98 acres/4.35 miles** within Forest Service Tracts J-12a and J-69, Compartments 56 and 58, Walker County, Texas in the Sam Houston National Forest ("the permit area"), as shown on the maps and field notes attached hereto and made a part of this permit. This and any other appendices to this permit are hereby incorporated into this permit.

This permit is issued for the purpose of: to authorize the continued operation and maintenance of an existing waste water treatment facility and associated rights-of-way as shown on Exhibit A. The waste water treatment plant and lift station encompass 10.06 acres and the associated rights-of-way encompass 13.92 acres/4.35 miles). See attached "Exhibit A". This facility will be phased-out of Forest Service lands prior to the expiration date.

TERMS AND CONDITIONS

I. GENERAL TERMS

A. AUTHORITY. This permit is issued pursuant to the Federal Land Policy and Mgmt. Act, as amended, October 21, 1976 and 36 CFR Part 251, Subpart B, as amended, and is subject to their provisions.

B. AUTHORIZED OFFICER. The authorized officer is the Forest or Grassland Supervisor or a subordinate officer with delegated authority.

C. TERM. This permit shall expire at midnight on **12/31/2031**, 10 years from the date of issuance.

D. CONTINUATION OF USE AND OCCUPANCY. This permit is not renewable. Prior to expiration of this permit, the holder may apply for a new permit for the use and occupancy authorized by this permit. Applications for a new permit must be submitted at least 6 months prior to expiration of this permit. Issuance of a new permit is at the sole discretion of the authorized officer. At a minimum, before issuing a new permit, the authorized officer shall ensure that (1) the use and occupancy to be authorized by the new permit is consistent with the standards and guidelines in the applicable land management plan; (2) the type of use and occupancy to be authorized by the new permit is the same as the type of use and occupancy authorized by this permit; and (3) the holder is in compliance with all the terms of this permit. The authorized officer may prescribe new terms and conditions when a new permit is issued.

E. AMENDMENT. This permit may be amended in whole or in part by the Forest Service when, at the discretion of the authorized officer, such action is deemed necessary or desirable to incorporate new terms that may be required by law, regulation, directive, the applicable forest land and resource management plan, or projects and activities implementing a land management plan pursuant to 36 CFR Part 215.

F. COMPLIANCE WITH LAWS, REGULATIONS, AND OTHER LEGAL REQUIREMENTS. In exercising the rights and privileges granted by this permit, the holder shall comply with all present and future federal laws and regulations and all present and future state, county, and municipal laws, regulations, and other legal requirements

that apply to the permit area, to the extent they do not conflict with federal law, regulation, or policy. The Forest Service assumes no responsibility for enforcing laws, regulations, and other legal requirements that fall under the jurisdiction of other governmental entities.

G. NON-EXCLUSIVE USE. The use or occupancy authorized by this permit is not exclusive. The Forest Service reserves the right of access to the permit area, including a continuing right of physical entry to the permit area for inspection, monitoring, or any other purpose consistent with any right or obligation of the United States under any law or regulation. The Forest Service reserves the right to allow others to use the permit area in any way that is not inconsistent with the holder's rights and privileges under this permit, after consultation with all parties involved. Except for any restrictions that the holder and the authorized officer agree are necessary to protect the installation and operation of authorized temporary improvements, the lands and waters covered by this permit shall remain open to the public for all lawful purposes.

H. ASSIGNABILITY. This permit is not assignable or transferable.

I. TRANSFER OF TITLE TO THE IMPROVEMENTS.

1. Notification of Transfer. The holder shall notify the authorized officer when a transfer of title to all or part of the authorized improvements is contemplated.

2. Transfer of Title. Any transfer of title to the improvements covered by this permit shall result in termination of the permit. The party who acquires title to the improvements must apply for a permit. The Forest Service is not obligated to issue a new permit to the party who acquires title to the improvements. The authorized officer shall determine that the applicant meets requirements under applicable federal regulations.

J. CHANGE IN CONTROL OF THE BUSINESS ENTITY.

1. Notification of Change in Control. The holder shall notify the authorized officer when a change in control of the business entity that holds this permit is contemplated.

a. In the case of a corporation, control is an interest, beneficial or otherwise, of sufficient outstanding voting securities or capital of the business so as to permit the exercise of managerial authority over the actions and operations of the corporation or election of a majority of the board of directors of the corporation.

b. In the case of a partnership, limited partnership, joint venture, or individual entrepreneurship, control is a beneficial ownership of or interest in the entity or its capital so as to permit the exercise of managerial authority over the actions and operations of the entity.

c. In other circumstances, control is any arrangement under which a third party can exercise management authority over the actions or operations of the business.

2. Effect of Change in Control. Any change in control of the business entity as defined in paragraph 1 of this clause shall result in termination of this permit. The party acquiring control must apply for a special use permit. The Forest Service is not obligated to issue a new permit to the party who acquires control. The authorized officer shall determine whether the applicant meets the requirements established by applicable federal regulations.

II. IMPROVEMENTS

A. LIMITATIONS ON USE. Nothing in this permit gives or implies permission to build or maintain any structure or facility or to conduct any activity, unless specifically authorized by this permit. Any use not specifically authorized by this permit must be proposed in accordance with 36 CFR 251.54. Approval of such a proposal through issuance of a new permit or permit amendment is at the sole discretion of the authorized officer.

B. PLANS. All plans for development, layout, construction, reconstruction, or alteration of improvements in the permit area, as well as revisions to those plans must be prepared by a professional engineer, architect, landscape

architect, or other qualified professional based on federal employment standards acceptable to the authorized officer. These plans and plan revisions must have written approval from the authorized officer before they are

implemented. The authorized officer may require the holder to furnish as-built plans, maps, or surveys upon completion of the work.

C. CONSTRUCTION. Any construction authorized by this permit shall commence on N/A and shall be completed within N/A.

III. OPERATIONS

A. PERIOD OF USE. Use or occupancy of the permit area shall be exercised at least 365 days each year.

B. CONDITION OF OPERATIONS. The holder shall maintain the authorized improvements and permit area to standards of repair, orderliness, neatness, sanitation, and safety acceptable to the authorized officer and consistent with other provisions of this permit. Standards are subject to periodic change by the authorized officer when deemed necessary to meet statutory, regulatory, or policy requirements or to protect national forest resources. The holder shall comply with inspection requirements deemed appropriate by the authorized officer.

C. MONITORING BY THE FOREST SERVICE. The Forest Service shall monitor the holder's operations and reserves the right to inspect the permit area and transmission facilities at any time for compliance with the terms of this permit. The holder shall comply with inspection requirements deemed appropriate by the authorized officer. The holder's obligations under this permit are not contingent upon any duty of the Forest Service to inspect the permit area or transmission facilities. A failure by the Forest Service or other governmental officials to inspect is not a justification for noncompliance with any of the terms and conditions of this permit.

IV. RIGHTS AND LIABILITIES

A. LEGAL EFFECT OF THE PERMIT. This permit, which is revocable and terminable, is not a contract or a lease, but rather a federal license. The benefits and requirements conferred by this authorization are reviewable solely under the procedures set forth in 36 CFR 214 and 5 U.S.C. 704. This permit does not constitute a contract for purposes of the Contract Disputes Act, 41 U.S.C. 601. The permit is not real property, does not convey any interest in real property, and may not be used as collateral for a loan.

B. VALID EXISTING RIGHTS. This permit is subject to all valid existing rights. Valid existing rights include those derived under mining and mineral leasing laws of the United States. The United States is not liable to the holder for the exercise of any such right.

C. ABSENCE OF THIRD-PARTY BENEFICIARY RIGHTS. The parties to this permit do not intend to confer any rights on any third party as a beneficiary under this permit.

D. SERVICES NOT PROVIDED. This permit does not provide for the furnishing of road or trail maintenance, water, fire protection, search, and rescue, or any other such service by a government agency, utility, association, or individual.

E. RISK OF LOSS. The holder assumes all risk of loss associated with use or occupancy of the permit area, including but not limited to theft, vandalism, fire and any fire-fighting activities (including prescribed burns), avalanches, rising waters, winds, falling limbs or trees, and other forces of nature. If authorized temporary improvements in the permit area are destroyed or substantially damaged, the authorized officer shall conduct an analysis to determine whether the improvements can be safely occupied in the future and whether rebuilding should be allowed. If rebuilding is not allowed, the permit shall terminate.

F. DAMAGE TO UNITED STATES PROPERTY. The holder has an affirmative duty to protect from damage the land, property, and other interests of the United States. Damage includes but is not limited to fire suppression costs and damage to government-owned improvements covered by this permit.

1. The holder shall be liable for all injury, loss, or damage, including fire suppression, prevention, and control of the spread of invasive species, or other costs in connection with rehabilitation or restoration of natural resources

resulting from the use or occupancy authorized by this permit. Compensation shall include but not be limited to the value of resources damaged or destroyed, the costs of restoration, cleanup, or other mitigation, fire

suppression or other types of abatement costs, and all administrative, legal (including attorney's fees), and other costs. Such costs may be deducted from a performance bond required under clause IV.J.

2. The holder shall be liable for damage caused by use of the holder or the holder's heirs, assigns, agents, employees, contractors, or lessees to all roads and trails of the United States to the same extent as provided under clause IV.F.1, except that liability shall not include reasonable and ordinary wear and tear.

G. HEALTH AND SAFETY. The holder shall take all measures necessary to protect the health and safety of all persons affected by the use and occupancy authorized by this permit. The holder shall promptly abate as completely as possible and in compliance with all applicable laws and regulations any physical or mechanical procedure, activity, event, or condition existing or occurring in connection with the authorized use and occupancy during the term of this permit that causes or threatens to cause a hazard to the health or safety of the public or the holder's employees or agents. The holder shall as soon as practicable notify the authorized officer of all serious accidents that occur in connection with these procedures, activities, events, or conditions. The Forest Service has no duty under the terms of this permit to inspect the permit area or operations of the holder for hazardous conditions or compliance with health and safety standards.

H. ENVIRONMENTAL PROTECTION

1. For purposes of clause IV.H and section V, "hazardous material" shall mean (a) any hazardous substance under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. 9601(14); (b) any pollutant or contaminant under section 101(33) of CERCLA, 42 U.S.C. 9601(33); (c) any petroleum product or its derivative, including fuel oil, and waste oils; and (d) any hazardous substance, extremely hazardous substance, toxic substance, hazardous waste, ignitable, reactive or corrosive materials, pollutant, contaminant, element, compound, mixture, solution or substance that may pose a present or potential hazard to human health or the environment under any applicable environmental laws.

2. The holder shall avoid damaging or contaminating the environment, including but not limited to the soil, vegetation (such as trees, shrubs, and grass), surface water, and groundwater, during the holder's use and occupancy of the permit area. Environmental damage includes but is not limited to all costs and damages associated with or resulting from the release or threatened release of a hazardous material occurring during or as a result of activities of the holder or the holder's heirs, assigns, agents, employees, contractors, or lessees on, or related to, the lands, property, and other interests covered by this permit. If the environment or any government property covered by this permit becomes damaged in connection with the holder's use and occupancy, the holder shall as soon as practicable repair the damage or replace the damaged items to the satisfaction of the authorized officer and at no expense to the United States.

3. The holder shall as soon as practicable, as completely as possible, and in compliance with all applicable laws and regulations abate any physical or mechanical procedure, activity, event, or condition existing or occurring in connection with the authorized use and occupancy during or after the term of this permit that causes or threatens to cause harm to the environment, including areas of vegetation or timber, fish or other wildlife populations, their habitats, or any other natural resources.

I. INDEMNIFICATION OF THE UNITED STATES. The holder shall indemnify, defend, and hold harmless the United States for any costs, damages, claims, liabilities, and judgments arising from past, present, and future acts or omissions of the holder in connection with the use or occupancy authorized by this permit. This indemnification provision includes but is not limited to acts and omissions of the holder or the holder's heirs, assigns, agents, employees, contractors, or lessees in connection with the use or occupancy authorized by this permit which result in (1) violations of any laws and regulations which are now or which may in the future become applicable; (2) judgments, claims, demands, penalties, or fees assessed against the United States; (3) costs, expenses, and damages incurred by the United States; or (4) the release or threatened release of any solid waste, hazardous waste, hazardous materials, pollutant, contaminant, oil in any form, or petroleum product into the environment. The authorized officer may prescribe terms that allow the holder to replace, repair, restore, or otherwise undertake necessary curative actions to mitigate damages in addition to or as an alternative to monetary indemnification.

J. STRICT LIABILITY. The holder shall be strictly liable (liable without proof of negligence) to the United States for up to $1 million per occurrence for any injury, loss, or damage arising in tort under this permit. Liability in tort for injury, loss, or damage to the United States exceeding the prescribed amount of strict liability in tort shall be determined under the law of negligence

V. RESOURCE PROTECTION

A. COMPLIANCE WITH ENVIRONMENTAL LAWS. The holder shall in connection with the use or occupancy authorized by this permit comply with all applicable federal, state, and local environmental laws and regulations, including but not limited to those established pursuant to the Resource Conservation and Recovery Act, as amended, 42 U.S.C. 6901 et seq., the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq., the Oil Pollution Act, as amended, 33 U.S.C. 2701 et seq., the Clean Air Act, as amended, 42 U.S.C. 7401 et seq., CERCLA, as amended, 42 U.S.C. 9601 et seq., the Toxic Substances Control Act, as amended, 15 U.S.C. 2601 et seq., the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 7 U.S.C. 136 et seq., and the Safe Drinking Water Act, as amended, 42 U.S.C. 300f et seq.

B. VANDALISM. The holder shall take reasonable measures to prevent and discourage vandalism and disorderly conduct and when necessary shall contact the appropriate law enforcement officer.

C. PESTICIDE USE.

1. Authorized Officer Concurrence. Pesticides may not be used outside of buildings in the permit area to control pests, including undesirable woody and herbaceous vegetation (including aquatic plants), insects, birds, rodents, or fish without prior written concurrence of the authorized officer. Only those products registered or otherwise authorized by the U.S. Environmental Protection Agency and appropriate State authority for the specific purpose planned shall be authorized for use within areas on National Forest System lands.

2. Pesticide-Use Proposal. Requests for concurrence of any planned uses of pesticides shall be provided in advance using the Pesticide-Use Proposal (form FS-2100-2). Annually the holder shall, on the due date established by the authorized officer, submit requests for any new, or continued, pesticide usage. The Pesticide-Use Proposal shall cover a 12-month period of planned use. The Pesticide-Use Proposal shall be submitted at least 60 days in advance of pesticide application. Information essential for review shall be provided in the form specified. Exceptions to this schedule may be allowed, subject to emergency request and approval, only when unexpected outbreaks of pests require control measures which were not anticipated at the time a Pesticide-Use Proposal was submitted.

3. Labeling, Laws, and Regulations. Label instructions and all applicable laws and regulations shall be strictly followed in the application of pesticides and disposal of excess materials and containers. No pesticide waste, excess materials, or containers shall be disposed of in any area administered by the Forest Service.

D. ARCHAEOLOGICAL-PALEONTOLOGICAL DISCOVERIES. The holder shall immediately notify the authorized officer of all antiquities or other objects of historic or scientific interest, including but not limited to historic or prehistoric ruins, fossils, or artifacts discovered in connection with the use and occupancy authorized by this permit. The holder shall follow the applicable inadvertent discovery protocols for the undertaking provided in an agreement executed pursuant to section 106 of the National Historic Preservation Act, 54 U.S.C. 306108; if there are no such agreed-upon protocols, the holder shall leave these discoveries intact and in place until consultation has occurred, as informed, if applicable, by any programmatic agreement with tribes. Protective and mitigation measures developed under this clause shall be the responsibility of the holder. However, the holder shall give the authorized officer written notice before implementing these measures and shall coordinate with the authorized officer for proximate and contextual discoveries extending beyond the permit area.

E. NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION (NAGPRA). In accordance with 25 U.S.C. 3002(d) and 43 CFR 10.4, if the holder inadvertently discovers human remains, funerary objects, sacred objects, or objects of cultural patrimony on National Forest System lands, the holder shall immediately cease work in the area of the discovery and shall make a reasonable effort to protect and secure the items. The holder shall

follow the applicable NAGPRA protocols for the undertaking provided in the NAGPRA plan of action or the NAGPRA comprehensive agreement; if there are no such agreed-upon protocols, the holder shall as soon as practicable notify the authorized officer of the discovery and shall follow up with written confirmation of the discovery. The activity that resulted in the inadvertent discovery may not resume until 30 days after the forest archaeologist certifies receipt of the written confirmation, if resumption of the activity is otherwise lawful, or at any time if a binding written agreement has been executed between the Forest Service and the affiliated Indian tribes that adopts a recovery plan for the human remains and objects.

F. PROTECTION OF THREATENED AND ENDANGERED SPECIES, SENSITIVE SPECIES, AND SPECIES OF CONSERVATION CONCERN AND THEIR HABITAT.

1. Threatened and Endangered Species and Their Habitat. The location of sites within the permit area needing special measures for protection of plants or animals listed as threatened or endangered under the Endangered Species Act (ESA) of 1973, 16 U.S.C. 1531 et seq., as amended, or within designated critical habitat shall be shown on a map in an appendix to this permit and may be shown on the ground. The holder shall take any protective and mitigation measures specified by the authorized officer as necessary and appropriate to avoid or reduce effects on listed species or designated critical habitat affected by the authorized use and occupancy. Discovery by the holder or the Forest Service of other sites within the permit area containing threatened or endangered species or designated critical habitat not shown on the map in the appendix shall be promptly reported to the other party and shall be added to the map.

2. Sensitive Species and Species of Conservation Concern and Their Habitat. The location of sites within the permit area needing special measures for protection of plants or animals designated by the Regional Forester as sensitive species or as species of conservation concern pursuant to FSM 2670 shall be shown on a map in an appendix to this permit and may be shown on the ground. The holder shall take any protective and mitigation measures specified by the authorized officer as necessary and appropriate to avoid or reduce effects on sensitive species or species of conservation concern or their habitat affected by the authorized use and occupancy. Discovery by the holder or the Forest Service of other sites within the permit area containing sensitive species or species of conservation concern or their habitat not shown on the map in the appendix shall be promptly reported to the other party and shall be added to the map.

G. CONSENT TO STORE HAZARDOUS MATERIALS. The holder shall not store any hazardous materials at the site without prior written approval from the authorized officer. This approval shall not be unreasonably withheld. If the authorized officer provides approval, this permit shall include, or in the case of approval provided after this permit is issued, shall be amended to include specific terms addressing the storage of hazardous materials, including the specific type of materials to be stored, the volume, the type of storage, and a spill plan. Such terms shall be proposed by the holder and are subject to approval by the authorized officer.

H. CERTIFICATION UPON REVOCATION OR TERMINATION. If the holder uses or stores hazardous materials at the site, upon revocation or termination of this permit the holder shall provide the Forest Service with a report certified by a professional or professionals acceptable to the forest Service that the permit area is uncontaminated by the presence of hazardous materials and that there has not been a release or discharge of hazardous materials upon the permit area, into surface water at or near the permit area, or into groundwater below the permit area during the term of the permit. This certification requirement may be waived by the authorized officer when the Forest Service determines that the risks posed by the hazardous material are minimal. If a release or discharge has occurred, the professional or professionals shall document and certify that the release or discharge has been fully remediated and that the permit area is following all federal, state, and local laws and regulations.

CLEANUP AND REMEDIATION

1. The holder shall immediately notify all appropriate response authorities, including the National Response Center and the authorized officer or the authorized officer's designated representative, of any oil discharge or of the release of a hazardous material in the permit area in an amount greater than or equal to its reportable quantity, in accordance with 33 CFR Part 153, Subpart B, and 40 CFR Part 302. For the purposes of this requirement, "oil" is as defined by section 311(a)(1) of the Clean Water Act, 33 U.S.C. 1321(a)(1). The holder shall immediately notify the authorized officer or the authorized officer's designated representative of any release or threatened release of any hazardous material in or near the permit area which may be harmful to public health

or welfare or which may adversely affect natural resources on federal lands.

2. Except with respect to any federally permitted release as that term is defined under Section 101(10) of CERCLA, 42 U.S.C. 9601(10), the holder shall clean up or otherwise remediate any release, threat of release, or discharge of hazardous materials that occurs either in the permit area or in connection with the holder's activities in the permit area, regardless of whether those activities are authorized under this permit. The holder shall perform cleanup or remediation immediately upon discovery of the release, threat of release, or discharge of hazardous materials. The holder shall perform the cleanup or remediation to the satisfaction of the authorized officer and at no expense to the United States. Upon revocation or termination of this permit, the holder shall deliver the site to the Forest Service free and clear of contamination.

VI. LAND USE FEE AND DEBT COLLECTION

A. LAND USE FEES. The holder shall pay an initial annual land use fee of **$1,822.10** for the period from January 1, 2021 to December 31, 2021, and thereafter on January 1, shall pay an annual land use fee of **$1,822.10**. The annual land use fee shall be adjusted annually using the insert applicable indexing factor.

B. MODIFICATION OF THE LAND USE FEE. The land use fee may be revised whenever necessary to reflect the market value of the authorized use or occupancy or when the fee system used to calculate the land use fee is modified or replaced.

C. FEE PAYMENT ISSUES

1. Crediting of Payments. Payments shall be credited on the date received by the deposit facility, except that if a payment is received on a non-workday, the payment shall not be credited until the next workday.

2. Disputed Fees. Fees are due and payable by the due date. Disputed fees must be paid in full. Adjustments will be made if dictated by an administrative appeal decision, a court decision, or settlement terms.

3. Late Payments

(a) Interest. Pursuant to 31 U.S.C. 3717 et seq., interest shall be charged on any fee amount not paid within 30 days from the date it became due. The rate of interest assessed shall be the higher of the Prompt Payment Act rate or the rate of the current value of funds to the United States Treasury (i.e., the Treasury tax and loan account rate), as prescribed and published annually or quarterly by the Secretary of the Treasury in the Federal Register and the Treasury Fiscal Requirements Manual Bulletins. Interest on the principal shall accrue from the date the fee amount is due.

(b) Administrative Costs. If the account becomes delinquent, administrative costs to cover processing and handling the delinquency shall be assessed.

(c) Penalties. A penalty of 6% per annum shall be assessed on the total amount that is more than 90 days delinquent and shall accrue from the same date on which interest charges begin to accrue.

(d) Termination for Nonpayment. This permit shall terminate without the necessity of prior notice and opportunity to comply when any permit fee payment is 90 calendar days from the due date in arrears. The holder shall remain responsible for the delinquent fees.

4. Administrative Offset and Credit Reporting. Delinquent fees and other charges associated with the permit shall be subject to all rights and remedies afforded the United States pursuant to 31 U.S.C. 3711 et seq. and common law. Delinquencies are subject to any or all the following:

(a) Administrative offset of payments due the holder from the Forest Service.
(b) If in excess of 60 days, referral to the Department of the Treasury for appropriate collection action as provided by 31 U.S.C. 3711(g)(1).
(c) Offset by the Secretary of the Treasury of any amount due the holder, as provided by 31 U.S.C. 3720 et seq.
(d) Disclosure to consumer or commercial credit reporting agencies.

VII. REVOCATION, SUSPENSION, AND TERMINATION

A. REVOCATION AND SUSPENSION. The authorized officer may revoke or suspend this permit in whole or in part:

1. For noncompliance with federal, state, or local law.
2. For noncompliance with the terms of this permit.
3. For abandonment or other failure of the holder to exercise the privileges granted.
4. With the consent of the holder.
5. For specific and compelling reasons in the public interest.

Prior to revocation or suspension, other than immediate suspension under clause VII.B, the authorized officer shall give the holder written notice of the grounds for revocation or suspension and a reasonable period, typically not to exceed 90 days, to cure any noncompliance.

B. IMMEDIATE SUSPENSION. The authorized officer may immediately suspend this permit in whole or in part when necessary to protect public health or safety or the environment. The suspension decision shall be in writing. The holder may request an on-site review with the authorized officer's supervisor of the adverse conditions prompting the suspension. The authorized officer's supervisor shall grant this request within 48 hours. Following the on-site review, the authorized officer's supervisor shall promptly affirm, modify, or cancel the suspension.

C. APPEALS AND REMEDIES. Written decisions by the authorized officer relating to administration of this permit are subject to administrative appeal pursuant to 36 CFR Part 214, as amended. Revocation or suspension of this permit shall not give rise to any claim for damages by the holder against the Forest Service.

D. TERMINATION. This permit shall terminate when by its terms a fixed or agreed upon condition, event, or time occurs without any action by the authorized officer. Examples include but are not limited to expiration of the permit by its terms on a specified date and termination upon change of control of the business entity. Termination of this permit shall not require notice, a decision document, or any environmental analysis or other documentation. Termination of this permit is not subject to administrative appeal and shall not give rise to any claim for damages by the holder against the Forest Service.

E. RIGHTS AND RESPONSIBILITIES UPON REVOCATION OR TERMINATION WITHOUT ISSUANCE OF A NEW PERMIT. Upon revocation or termination of this permit without issuance of a new permit, the holder shall remove all structures and improvements, except those owned by the United States, within a reasonable period prescribed by the authorized officer and shall restore the site to the satisfaction of the authorized officer. If the holder fails to remove all structures and improvements within the prescribed period, they shall become the property of the United States and may be sold, destroyed, or otherwise disposed of without any liability to the United States. However, the holder shall remain liable for all costs associated with their removal, including costs of sale and impoundment, cleanup, and restoration of the site.

VIII. MISCELLANEOUS PROVISIONS

A. MEMBERS OF CONGRESS. No member of or delegate to Congress or resident commissioner shall benefit from this permit either directly or indirectly, except to the extent the authorized use provides a general benefit to a corporation.

B. CURRENT ADDRESSES. The holder and the Forest Service shall keep each other informed of current mailing addresses, including those necessary for billing and payment of land use fees.

C. SUPERSEDED PERMIT. This permit supersedes a special use permit designated City of Huntsville, SAM100301, dated 05/05/1980.

D. SUPERIOR CLAUSES. If there is a conflict between any of the preceding printed clauses and any of the following clauses, the preceding printed clauses shall control.

E. IMPROVEMENT RELOCATION. This authorization is granted with the express understanding that should future location of United States Government-owned improvements or road rights-of-way require the relocation of the holder's improvements, such relocation will be done by, and at the expense of, the holder within a reasonable time as specified by the authorized officer.

F. SURVEYS, LAND CORNERS. The holder shall protect, in place, all public land survey monuments, private property corners, and Forest boundary markers. If any such land markers or monuments are destroyed in the exercise of the privileges permitted by this authorization, depending on the type of monument destroyed, the holder shall see that they are reestablished or referenced in accordance with (1) the procedures outlined in the "Manual of Instructions for the Survey of the Public Land of the United States," (2) the specifications of the county surveyor, or (3) the specifications of the Forest Service.

Further, the holder shall cause such official survey records as are affected to be amended as provided by law. Nothing in this clause shall relieve the holder's liability for the willful destruction or modification of any Government survey marker as provided at 18 U.S.C. 1858.

G. Noxious Weed and Exotic Plant Prevention and Control: The holder shall be responsible for the prevention and control of noxious weeds and exotic plants arising from the authorized use. For purposes of this clause, noxious weeds and exotic plants include those species recognized as such by Federal, State, or local agency. The holder shall follow prevention and control measures required by Federal, State, or local agency. When determined to be necessary by the Authorized Officer, the holder shall develop a plan for noxious weed and exotic plant prevention and control. These plans must have prior written approval from the Authorized Officer and, upon approval, shall be attached to this permit as an appendix.

THIS PERMIT IS ACCEPTED SUBJECT TO ALL ITS TERMS AND CONDITIONS.

BEFORE ANY PERMIT IS ISSUED TO AN ENTITY, DOCUMENTATION MUST BE PROVIDED TO THE AUTHORIZED OFFICER OF THE AUTHORITY OF THE SIGNATORY FOR THE ENTITY TO BIND IT TO THE TERMS AND CONDITIONS OF THE PERMIT.

ACCEPTED:

CITY OF HUNTSVILLE

By: _____
(Holder Signature)

By: Mayor
(Holder Title)

Date: 3-4-2021

APPROVED:

U.S. DEPARTMENT OF AGRICULTURE
Forest Service

By: _____
WILLIAM E. TAYLOR JR.

Title: Forest Supervisor
(Title)

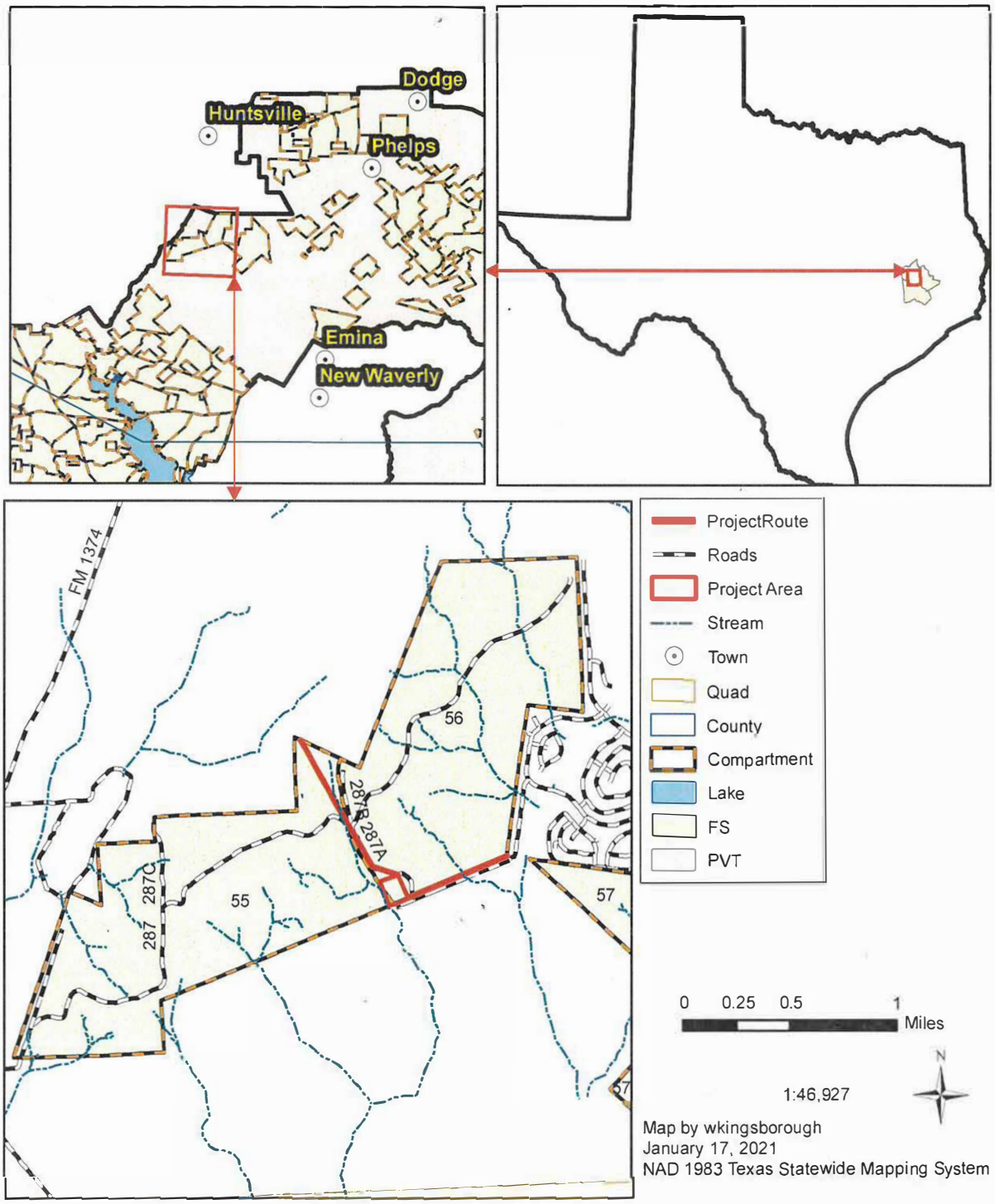
Date: _____

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0082. The time required to complete this information collection is estimated to average one hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and, where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

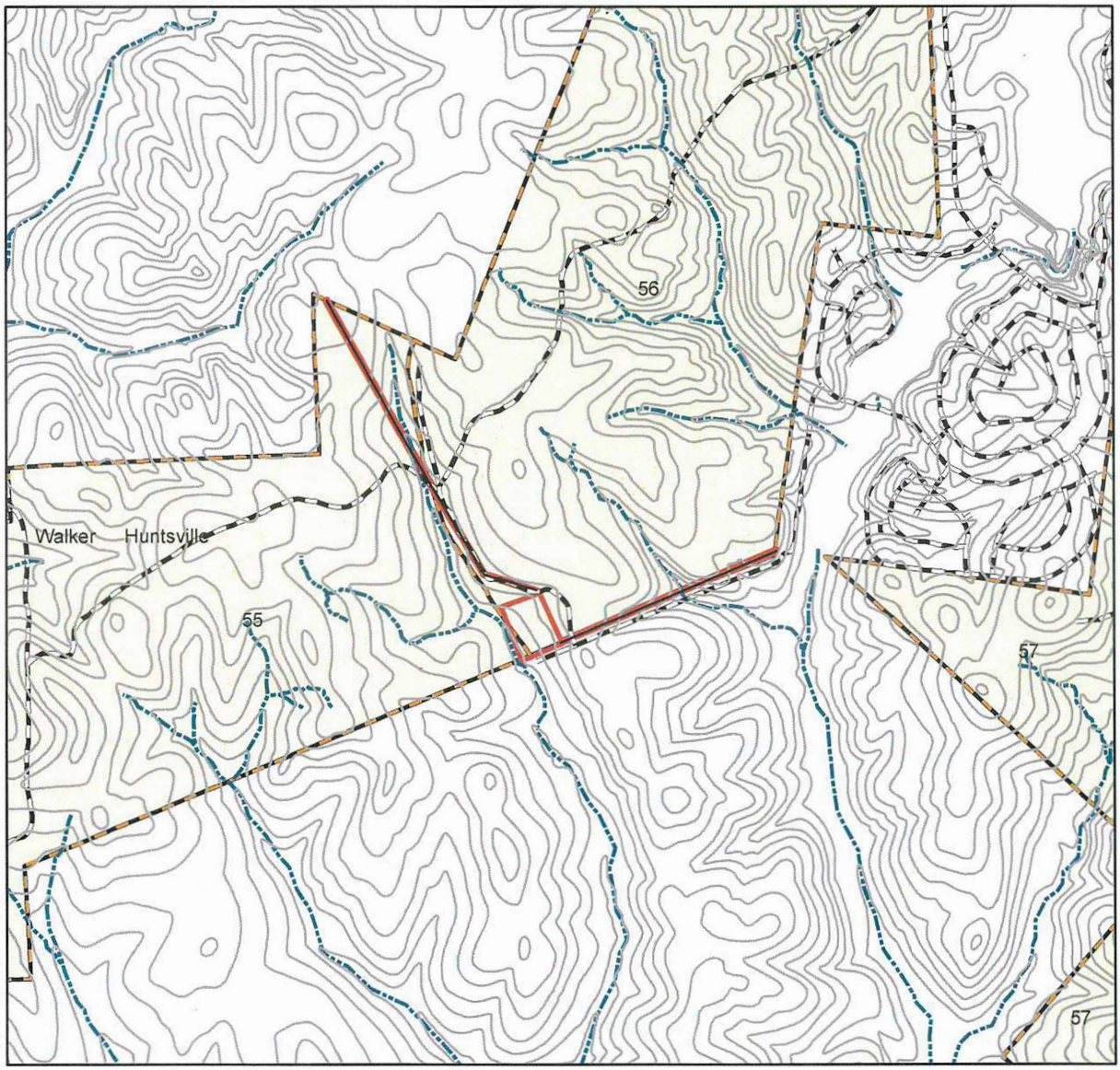
To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer. The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

Elkins Lake Treatment Plant and Waterline Permit Reissuances
R2021081304003
Sam Houston National Forest
National Forests & Grasslands in Texas
Walker County, Texas
Figure 1: Vicinity Map



Title Revised BYount Feb 11 2021

Elkins Lake Treatment Permit Reissuance
R2021081304003
Sam Houston National Forest
National Forests & Grasslands in Texas
Huntville 7.5' Quadrangle
Walker County, Texas
Figure 2: Project Location



0 0.25 0.5 1 Miles

0 0.25 0.5 1 Kilometers

1:24,000

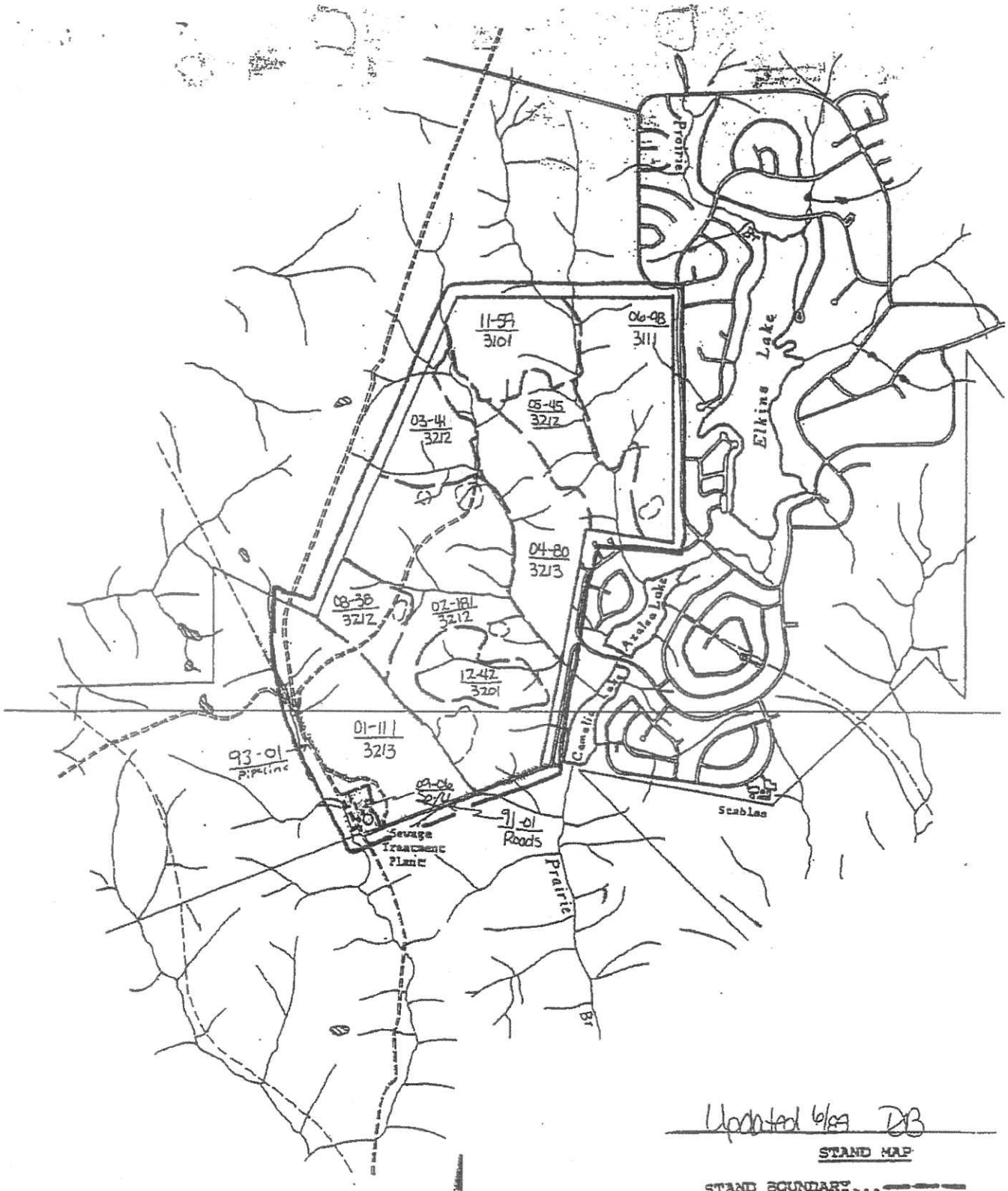
N

Legend

- Contour
- Stream
- Roads
- Project Area
- Quad
- County
- Compartment

Map by wkingsborough
January 17, 2021
NAD 1983 Texas Statewide Mapping System

Title revised BYount 2/11/2021



Updated 6/89 DB

STAND MAP

STAND BOUNDARY...
STAND NUMBER
STAND ACREAGE — 01-85
STAND CONDITION CLASS 31-01
FOREST TYPE
COMPARTMENT BOUNDARY..
INCLUSION.....

COMPARTMENT NO. 56N

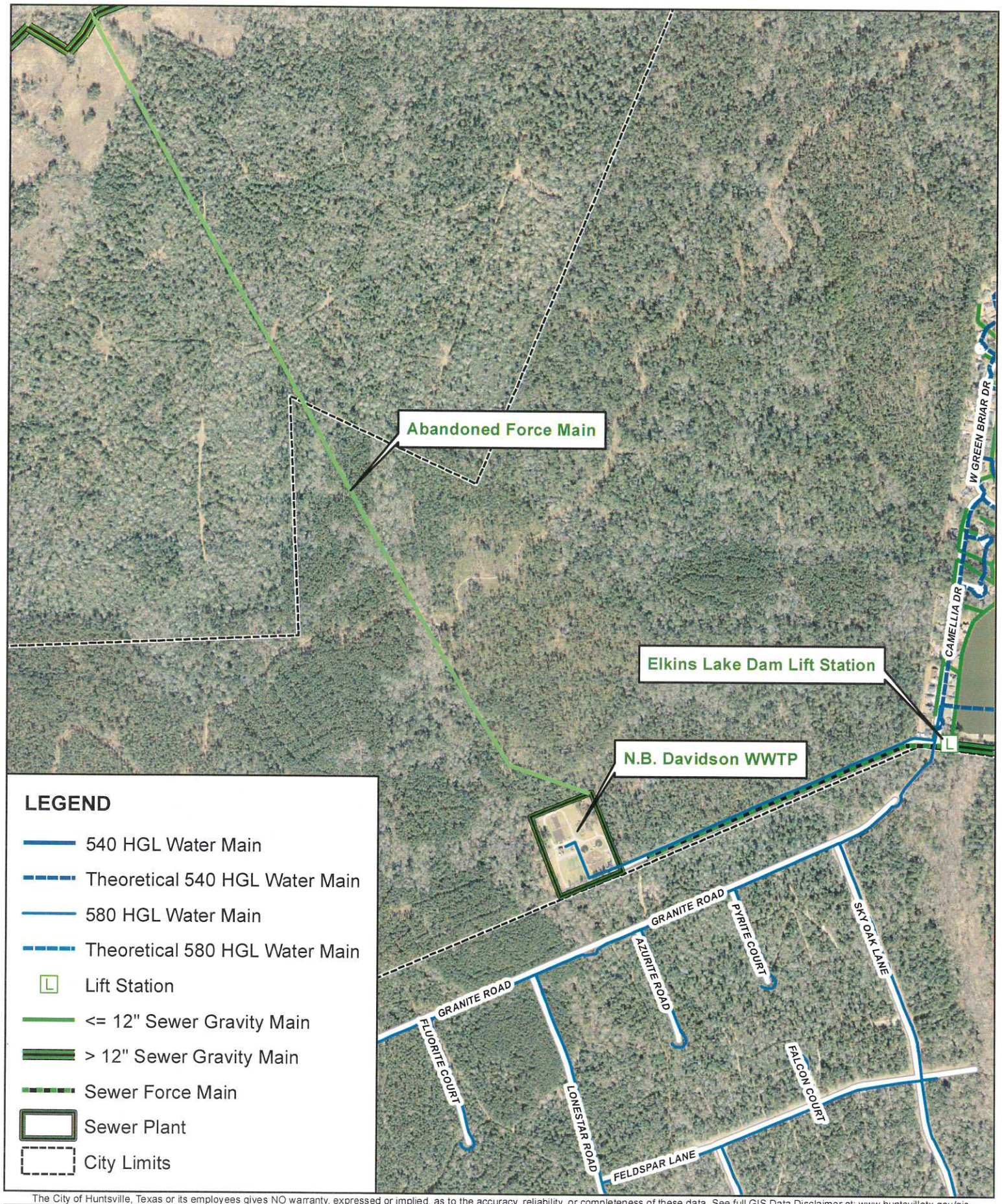
SAM HOUSTON NATIONAL FOREST

RAVEN DISTRICT

SCALE 1:24,000

2.64" = 1 MILE

N



The City of Huntsville, Texas or its employees gives NO warranty, expressed or implied, as to the accuracy, reliability, or completeness of these data. See full GIS Data Disclaimer at: www.huntsvilletx.gov/gis

1 in = 1,000 ft

On 8.5 x 11 inch Print

0 495 990 1,980 Feet

On Any Print Size

CREATED DATE: 11/19/2020

CITY OF HUNTSVILLE, TX
ENGINEERING DEPARTMENT / GIS DIVISION

N.B. DAVIDSON WASTE WATER TREATMENT PLANT

City of Huntsville

Service Layer Credits: The City of Huntsville, TX GIS Division

EROSION CONTROL PLAN
RESTORATION OF DISTURBED AREAS

The permittee agrees to the following provisions:

Except for those areas needed for access and/or production, areas where soil has been disturbed shall not ordinarily be left unseeded for a period of more than 30 days. If it is anticipated the area will be left exposed for more than the 30 day period seeding should occur immediately and not wait until the 30 days have passed. The seeding includes cut-and-fill slopes, ditches (wing, lead-off, etc.), shoulders, and any other exposed areas created by the project. Sites that will be exposed only **one fall growing season** (pit walls, topsoil stockpiles, etc.) will be seeded to an elbon rye grass and wheat mixture at the rates in item number 9 of this attachment. Those other sites that will be exposed from more than one growing season will be seeded to the standard seed mixture in item number 9 of this attachment.

1. Stockpile Soil - During initial clearing for the project the top _N/A___ inches of soil's surface will be removed and stockpiled for use when the site is restored. Remove woody material prior to stockpiling soil. See item 5, Attachment 1, for additional instructions.

   If the site in question is already occupied, the existing stockpiled soil will be used during site restoration. Before applying existing soil material, the site should be ripped and/or disked to a minimum depth of 12 inches before applying stockpiled soil. The site should be ripped and/or disked even if there is no soil material stockpiled on the site.

2. Waterbars/Terraces - During occupancy and restoration slopes or gradients 3% or greater will require waterbars and/or terraces to be constructed and maintained. The Forest Officer will instruct where these structures will be placed.

3. Baled Hay and Silt Fence for Erosion Control - Temporary erosion, sediment and water pollution control measures will be required as described in the attached specifications.

4. Seedbed Preparation - After returning the site to its original contour and forming any needed terraces, spread stockpiled soil evenly over the site, fertilize as in item 5 below and sow the recommended seed mixture on the freshly prepared soil bed. Rip pads and roads prior to spreading topsoil to the depth indicated in Item 1 of this attachment.

5. Fertilize Rates – Fertilize areas **shaded** 90-100% at the following rates:

   100 pound of nitrogen per acre
   250 pounds of phosphorous per acre
   100 pounds of potassium per acre

   Fertilization Rates - Fertilize **all other** disturbed areas at the following rates *:

   100 pound of nitrogen per acre
   100 pounds of phosphorous per acre
   100 pounds of potassium per acre

   For slopes greater than 3% the fertilization rate will be increased to 500 lbs per acre of 13-13-13 to deal with the loss of nutrients for seed germination and success.

   Once seed and fertilizer has been sown, drag-harrow lightly taking care not to cover seed too deeply. Approximately 1/4 inch of soil should cover the seed.

   The Soils Scientist may determine alternate fertilization rates in a site specific analysis report.

6. Mulching - The use of Certified Weed-Free hay, pine straw, or commercial mulch will be necessary on disturbed areas. Mulch will be applied to the entire area during periods of drought (normally 6/15-10/1). Mulch should be tied down with woven nets, asphalt tackifier, synthetics, or disked lightly into the soil. Erosion control blankets

*Rates are in pounds of chemical per acre. It takes 300 lbs. of 13-13 -13 to equal the rates specified above.

will be used on cut or fill slopes which cannot be shaped to a 3:1 gradient or less. The Forest Officer may require hydramulch in some cases if the determination has been made that it is needed for resource protection.

7. When instructed by the Forest Officer revegetated areas will be fenced to exclude livestock (See attached fencing specifications).

8. It is the responsibility of the permittee to establish a permanent vegetative cover on all disturbed areas where bare mineral soil is exposed. The following are procedures recommended and commonly used to accomplish this reclamation.

9. Seed species, Rates, and Seasons -

Heavier rates can be used. It is always cheaper to plant more seed than to have to replant. These are minimum rates.

In case of seeding failure, the permittee will reseed following the same recommendations until successful establishment of cover is achieved. For problem areas the Forest Service Soil Scientist and Botanist will be contacted for further input.

Use the following grasses and legumes:

RECOMMENDATIONS ON NATIONAL FORESTS

January through April

Species	Rate per acre In Mixture
Annual Rye	50 lbs.
Wheat	20 lbs.
Hairy Vetch (Innoculated)	10 lbs.

May through August

Species	Rate per acre In Mixture
Brown Millet	30 lbs.
Pearl Millet	30 lbs.
Cowpea	10 lbs.

September through December

Species	Rate per acre In Mixture
Annual Rye	50 lbs.
Wheat	20 lbs.
Hairy Vetch (Innoculated)	10 lbs.

It is desirable to use this mix. However, if certain species are not available contact the Forest Officer and substitutions can be made.

Use 1-1/2 to 2-1/2 tons of mulch per acre to a depth of 1 - 3 inches over the disturbed area.

Use bales of pine straw instead of baled hay for use in wing ditches and water bars. If hay is used, it must be certified weed free.

From **September 16 through February 28** the annuals Elbon Rye and Wheat will be added to the mixture at the rate of 120 lbs. per acre each.

RECOMMENDATIONS ON NATIONAL GRASSLANDS
Yearlong

(Use all of the following grasses and legumes.)

Species	Rate per acre In Mixture
Little bluestem	3.4 lbs.
Big bluestem	6.0 lbs.
Indiangrass	4.5 lbs.
Switchgrass	2.0 lbs.
Sideoats grama	4.5 lbs.
Plains bluestem	1.8 lbs.
Cowpea	4.0 lbs.

Green Spangletop at the rate of 4.0 lbs. can be used instead of one of the perennials if that perennial is unavailable.

It is desirable to use this mix. However, if certain species are not available contact the Forest Officer and substitutions can be made.

Use 1-1/2 to 2-1/2 tons of mulch per acre to a depth of 1 - 3 inches over the disturbed area.

From **September 16 through February 28** the annuals Elbon Rye and Wheat will be added to the mixture at the rate of 120 lbs. per acre each.

10. On National Forests, reclamation may be approved not earlier than one year following the successful establishment of vegetative cover. On the National Forest vegetative cover over at least 70% of the entire disturbed area will be considered successful establishment, if no gullies or other erosion related problems exist.

    On the National Grasslands satisfactory vegetative cover will be considered 70% vegetative cover with native species after two growing seasons and no gullies or other erosion related problems exist. All drilling/production related equipment or rubbish must be removed prior to Forest Service acceptance of the site as restored.

11. The permittee is responsible for successful restoration regardless of weather or other natural factors.

12. Performance Bonds (if applicable) will not be released until satisfactory reclamation is complete.

NFGTX SEED MIX	(VER 03/2020)
JANUARY-MAY and SEPTEMBER-DECEMBER	**JUNE-AUGUST**
WHEAT 50 LBS	BROWN MILLET 20 LBS
LITTLE BLUESTEM 2 LBS	PEARL MILLET 20 LBS
"OK SELECT", "COASTAL PLAINS", OR "CATAHOULA"	
PARTRIDGE PEA 2 LBS (Innoculated)	
"COMMANCHE" OR "LARK"	
INDIANGRASS 1 LBS	
"CHEYENNE" OR "LOMETA"	
SAND LOVEGRASS 0.5 LBS	
"MASON"	
ASHE SUNFLOWER 1 LBS	
"CAJUN SUNRISE"	
SWITCHGRASS 0.5 LBS	
"BLACKWELL"	
SPOTTED BEE BALM 1 LBS	
LANCELEAF COREOPSIS 1 LBS	
INDIAN BLANKET 1 LBS	
Seeding rates are pure live seed (PLS) per acre	
WHEAT is Triticum aestivum	
Spotted bee balm is Monarda punctata. Can also substitute lemon bee balm-Monarda citriodora	
Lanceleaf Coreopsis is Coreopsis lanceolata	
Indian Blanket is Gaillardia pulchella	
Sand Lovegrass is Eragrostis trichodes	
Ashe sunflower is Helianthus mollis	
Special Instructions:	
Project areas containing greater than 3% slope will require site specific analysis.	
Fertilizer: Fertilization rates will be set at 100 LBS/acre of 12-12-12	
Mulch:1-1/2 to 2-1/2 tons of mulch applied to a depth of 1-3 inches (If bare soil).	
Use bales of pine straw instead of baled hay for use in wing ditches and water bars.	
CERTIFIED VENDORS	
Bamert Seed 1897 County Road 1018 Muleshoe, TX 79347 1-800-262-9892	Turner Seed 210 County Road 151 Breckenridge, TX 76424 1-800-722-8616
Roundstone Native Seed Co. 9764 Raider Hollow Rd. Upton, Ky. 42784 1-888-531-2323	Douglass King Seed Co. 4627 Emil St. San Antonio, TX 78219 1-210-661-4191
For substitutions or technical guidance: Thomas Philipps, Forest Botanist- US Forest Service Phone: 936-639-8514 Email: thomas.philipps@usda.gov	

NFGTX ROADSIDE SEED MIX

(02/2020)

JAN	FEB	MARCH	APRIL	MAY
ANNUAL RYE 30 LBS	ANNUAL RYE 30 LBS	ANNUAL RYE 30 LBS	ANNUAL RYE 30 LBS	BROWN MILLET 30 LBS
LITTLE BLUESTEM 10 LBS	LITTLE BLUESTEM 10 LBS	LITTLE BLUESTEM 10 LBS	LITTLE BLUESTEM 10 LBS	PEARL MILLET 30 LBS
PARTRIDGE PEA 10 LBS	PARTRIDGE PEA 10 LBS	PARTRIDGE PEA 10 LBS	PARTRIDGE PEA 10 LBS	
(INNOCULATED)	(INNOCULATED)	(INNOCULATED)	(INNOCULATED)	
BLACK EYED SUSAN 2 LBS	BLACK EYED SUSAN 2 LBS	BLACK EYED SUSAN 2 LBS	BLACK EYED SUSAN 2 LBS	
SPOTTED BEE BALM 5 LBS	SPOTTED BEE BALM 5 LBS	SPOTTED BEE BALM 5 LBS	SPOTTED BEE BALM 5 LBS	
LANCELEAF COREOPSIS 10 LBS	LANCELEAF COREOPSIS 10 LBS	LANCELEAF COREOPSIS 10 LBS	LANCELEAF COREOPSIS 10 LBS	
INDIAN BLANKET 10 LBS	INDIAN BLANKET 10 LBS	INDIAN BLANKET 10 LBS	INDIAN BLANKET 10 LBS	

JUNE	JULY	AUGUST	SEPT	OCT
BROWN MILLET 30 LBS	BROWN MILLET 30 LBS	BROWN MILLET 30 LBS	ANNUAL RYE 30 LBS	ANNUAL RYE 30 LBS
PEARL MILLET 30 LBS	PEARL MILLET 30 LBS	PEARL MILLET 30 LBS	LITTLE BLUESTEM 10 LBS	LITTLE BLUESTEM 10 LBS
			PARTRIDGE PEA 10 LBS	PARTRIDGE PEA 10 LBS
			(INNOCULATED)	(INNOCULATED)
NOV	**DEC**		BLACK EYED SUSAN 2 LBS	BLACK EYED SUSAN 2 LBS
ANNUAL RYE 30 LBS	ANNUAL RYE 30 LBS		SPOTTED BEE BALM 5 LBS	SPOTTED BEE BALM 5 LBS
LITTLE BLUESTEM 10 LBS	LITTLE BLUESTEM 10 LBS		LANCELEAF COREOPSIS 10 LBS	LANCELEAF COREOPSIS 10 LBS
PARTRIDGE PEA 10 LBS	PARTRIDGE PEA 10 LBS		INDIAN BLANKET 10 LBS	INDIAN BLANKET 10 LBS
(INNOCULATED)	(INNOCULATED)			
BLACK EYED SUSAN 2 LBS	BLACK EYED SUSAN 2 LBS			
SPOTTED BEE BALM 5 LBS	SPOTTED BEE BALM 5 LBS			
LANCELEAF COREOPSIS 10 LBS	LANCELEAF COREOPSIS 10 LBS			
INDIAN BLANKET 10 LBS	INDIAN BLANKET 10 LBS			

Annual rye is Lolium multiflorum

Spotted bee balm is Monarda punctata. Can also substitute lemon bee balm-Monarda citriodora

Lanceleaf Coreopsis is Coreopsis lanceolata

Indian Blanket is Gaillardia pulchella

Special Instructions:

Project areas containing greater than 3% slope will require site specific analysis.

Fertilizer: Fertilization rates will be determined by site specific analysis performed by the Forest Soil Scientist

12-12-12 is standard unless otherwise dictated

Mulch:1-1/2 to 2-1/2 tons of mulch applied to a depth of 1-3 inches.

Use bales of pine straw instead of baled hay for use in wing ditches and water bars.

AVAILABLE VENDORS:

Bamert Seed
1897 County Road 1018
Muleshoe, TX 79347
1-800-262-9892

Turner Seed
210 County Road 151
Breckenridge, TX 76424
1-800-722-8616

East Texas Seed Co.
P.O. Box 569
Tyler, TX 75710
1-903-597-6637

Stock Seed Farms 28008 Mill Rd. Murdock, NE 68407 1-800-759-1520

Roundstone Native Seed 9764 Raider Hollow Rd. Upton, Ky. 42784 888-531-2353

Digester

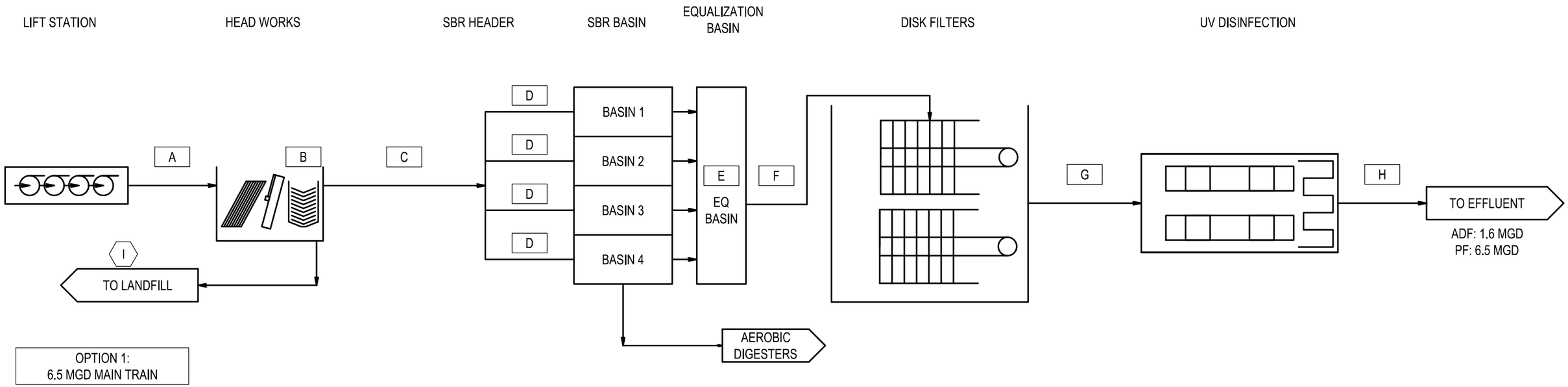
Aerobic Digestor Internal Diameter (ID)	45	ft
Aerobic Digester Depth(h)	13	ft
Volume of the digester	20675.61	ft^3

Solids generated at		
100% ADF	2,719.25	lbs/day
75% ADF	2039.43	lbs/day
50%ADF	1359.625	lbs/day
25%ADF	679.81	lbs/day

Mixed liquor suspended solids operating range at		
Design flow	4500	mg/l
Projected actual flow	2000	mg/l

ATTACHMENT – R
WATER BALANCE

Note: No land application. Water Balance is not applicable.



FLOW	UNITS	LS TO DRUM SCREEN	DRUM SCREEN TO GRIT CHAMBER	GRIT CHAMBER TO SBR HEADER	SBR HEADER TO SBR BASINS	SBR BASINS TO EQ BASIN	EQ BASIN TO DISK FILTER	DISK FILTER TO UV	UV TO EFFLUENT
		A	B	C	D	E	F	G	H
PWWF	GPM	4,511.00	4,511.00	4,511.00	1,127.75	4,511.00	4,511.00	4,511.00	4,511.00
ADF	GPM	1,110.40	1,110.40	1,110.40	277.60	1,110.40	1,110.40	1,110.40	1,110.40
BOD5	MG/L	200.00	200.00	200.00	200.00	10.00	10.00	10.00	10.00
BOD5	LB	2,669.00	2,669.00	2,669.00	2,669.00	133.45	133.45	133.45	133.45
TSS	MG/L	200.00	200.00	188.00	188.00	15.00	15.00	5.00	5.00
TSS	LB	2,669.00	2,669.00	2,509.00	2,509.00	2,509.00	200.18	26.69	26.69
NH3	MG/L	45.00	45.00	45.00	45.00	2.00	2.00	2.00	2.00
NH3	LB	601.00	601.00	601.00	601.00	26.71	26.71	26.71	26.71
P TOTAL	MG/L	7.00	7.00	7.00	7.00	0.50	0.50	0.50	0.50
P TOTAL	LB	93.40	93.40	93.40	93.40	6.67	6.67	6.67	6.67

NB DAVIDSON WWTP EXPANSION & IMPROVEMENTS

CITY OF HUNTSVILLE
1859 Camellia Dr,
Huntsville, Texas

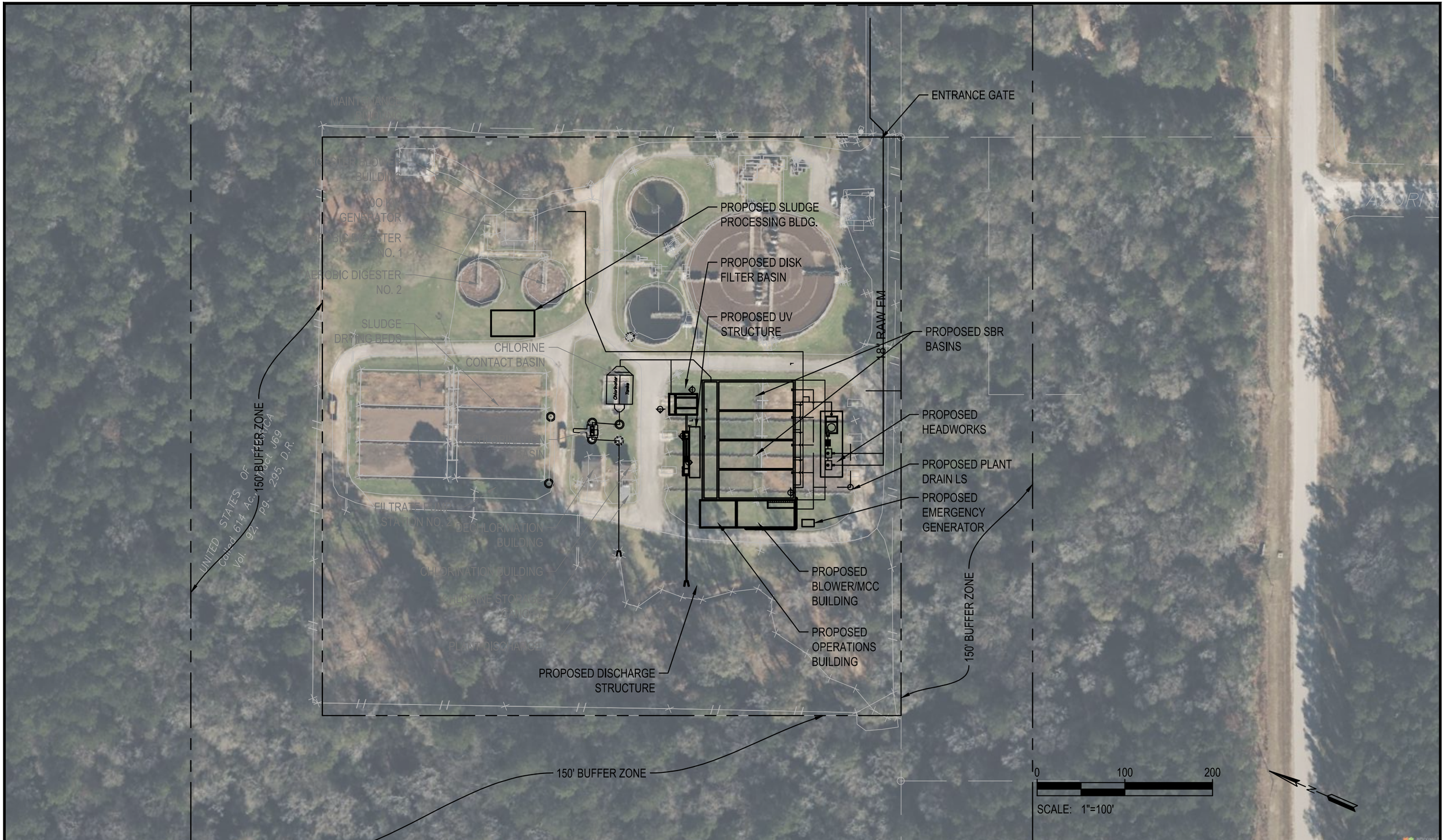
Lockwood, Andrews & Newnam, Inc.
A LEO A DALY COMPANY
2925 Briarpark Drive
Suite 400
Houston, TX 77042
Tel 713-266-6900 www.lan-inc.com

PROCESS FLOW DIAGRAM - TREATMENT ALTERNATIVE

Job No. 128-10028-000
Date 12/22/2023

Exhibit: 5-A

{PW Path} \\ladco\shares\projects\128\128-10028-000\4-0-Production-Working\4-2-Graphics-Exhibits\NB Davidson WWTP_PFD.dwg



NB DAVIDSON WWTP EXPANSION & IMPROVEMENTS

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PROPOSED SITE PLAN

Job No.	128-10028-000
Date	03/01/2024

Exhibit: 5

{PW Path} P:\128\128-10028-000\4-0-Production-Working\4-2-Graphics-Exhibits\NB Davidson WWTP_07_Prop Overall Site Plan.dwg