



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

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.

FLORENCE FM 970 VENTURES, LLC (CN#####) proposes to operate Florence Tract WWTP (RN#####), a 0.4 MGD wastewater treatment plant. The facility will be located at 0.65 miles Southwest from the intersection of FM 970 and S Patterson Ave, in Florence, Williamson County, Texas 76527. This is a new application to discharge 400,000 gallons per day of processed wastewater on an intermittent and flow-variable basis.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), total phosphorus (P), and Escherichia Coli. Domestic wastewater will be treated by a suspended growth activated sludge process in the extended aeration mode. Wastewater will be pumped into the plant where it will enter the aeration basin through a bar screen. The influent will then pass through the aeration zone into a clarifier. From the clarifier, the effluent will flow to a chlorine contact basin for disinfection. The facility will also use a digester for sludge holding, prior to haul off.

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.

FLORENCE FM 970 VENTURES, LLC (CN#####) propone operar la PTAR de Florence Tract (RN#####), una planta de tratamiento de aguas residuales de 0.4 MGD. La instalación estará ubicada a 0.65 millas al suroeste de la intersección de FM 970 y S Patterson Ave, en Florence, condado de Williamson, Texas 76527. Esta es una nueva aplicación para descargar 400,000 galones por día de aguas residuales procesadas de manera intermitente y de flujo variable. base.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N), fósforo total (P) y Escherichia coli. Las aguas residuales domésticas serán tratadas mediante un proceso de lodos activados de crecimiento suspendido en el modo de aireación extendida. Las aguas residuales se bombearán a la planta donde ingresarán al estanque de aireación a través de una rejilla de rejillas. Luego, el afluente pasará a través de la zona de aireación hacia un clarificador. Desde el clarificador, el efluente fluirá a una cubeta de contacto con cloro para su desinfección. La instalación también utilizará un digestor para almacenar lodos, antes de su transporte.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED PERMIT NO. WQ0016682001

APPLICATION. Florence FM 970 Ventures, LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016682001 (EPA I.D. No. TX0147079) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 400,000 gallons per day. The domestic wastewater treatment facility will be located approximately 0.65 miles southwest of the intersection of Farm-to-Market Road 970 and South Patterson Avenue, near the city of Florence, in Williamson County, Texas 76527. The discharge route will be from the plant site to an unnamed tributary; thence to South Salado Creek; thence to Salado Creek. TCEQ received this application on December 10, 2024. The permit application will be available for viewing and copying at Florence Public Library, public viewing desk, 207 East Main Street, Florence, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.795555,30.826388&level=18>

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 Florence FM 970 Ventures, LLC at the address stated above or by calling Ms. Lauren Crone, P.E., LJA Engineering, Inc., at 512-439-4700.

Issuance Date: March 14, 2025

Comisión de Calidad Ambiental del Estado de Texas



AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA

PERMISO PROPUESTO NO. WQ0016682001

SOLICITUD. Florence FM 970 Ventures, LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) la propuesta de Permiso para el Sistema de Eliminación de Descargas Contaminantes de Texas (TPDES), No. WQ0016682001 (No. de identificación de la EPA: TX0147079), para autorizar la descarga de aguas residuales tratadas en un volumen que no exceda un caudal promedio diario de 400,000 galones. La planta de tratamiento de aguas residuales domésticas se ubicará aproximadamente a 0,65 millas al suroeste de la intersección de Farm-to-Market Road 970 y South Patterson Avenue, cerca de la ciudad de Florence, en el condado de Williamson, Texas 76527. La ruta de descarga será desde la planta hasta un afluente sin nombre; de allí a South Salado Creek; de allí a Salado Creek. La TCEQ recibió esta solicitud el 10 de diciembre de 2024. La solicitud de permiso estará disponible para consulta y copia en la Biblioteca Pública de Florence, mostrador de consulta pública, 207 East Main Street, Florence, Texas, antes de la fecha de publicación de este aviso en el periódico. La solicitud, incluyendo sus actualizaciones y los avisos correspondientes, 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 instalación se proporciona como cortesía al público y no forma parte de la solicitud ni del aviso. Para conocer la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.795555,30.826388&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 todos los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud.** Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas de 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 específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

Para más información, comuníquese con Florence FM 970 Ventures, LLC, en la dirección indicada anteriormente, o llame a la Sra. Lauren Crone, P.E., LJA Engineering, Inc., al 512-439-4700.

Fecha de emisión 14 de marzo de 2025

Erwin Madrid

From: Lauren Crone <lcrone@lja.com>
Sent: Thursday, March 13, 2025 5:19 PM
To: Erwin Madrid
Subject: RE: Florence TPDES
Attachments: 10053 - Section 8.pdf; dom-tpdes-new-nori-munechno (4).docx

Erwin,

Please see attached. Let me know if you need anything else.

Thanks,

Lauren Crone, P.E. | Senior Project Manager
CENTRAL TEXAS LAND DEVELOPMENT
O: 512.439.4700 | C: 512.971.7693
7500 Rialto Blvd. Building II, Suite 100 Austin, TX 78735
EMPLOYEE-OWNED. CLIENT FOCUSED.
www.lja.com



From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Thursday, March 13, 2025 4:57 PM
To: Lauren Crone <lcrone@lja.com>
Subject: RE: Florence TPDES

[EXTERNAL EMAIL]

Hi Lauren,

Yes, I will need an updated page with section 8.E showing the alternate language requirements filled out.

Additionally, you will need to provide the NORI language below in Spanish using the attached template.

APPLICATION. Florence FM 970 Ventures, LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016682001 (EPA I.D. No. TX0147079) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 400,000 gallons per day. The domestic wastewater treatment facility will be located approximately 0.65 miles southwest of the intersection of Farm-to-Market Road 970 and South Patterson Avenue, near the city of Florence, in Williamson County, Texas 76527. The discharge route will be from the plant site to an unnamed tributary; thence to South Salado Creek; thence to Salado

Creek. TCEQ received this application on December 10, 2024. The permit application will be available for viewing and copying at Florence Public Library, public viewing desk, 207 East Main Street, Florence, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.795555,30.826388&level=18>

Further information may also be obtained from Florence FM 970 Ventures, LLC at the address stated above or by calling Ms. Lauren Crone, P.E., LJA Engineering, Inc., at 512-439-4700.

Please provide these items at your earliest convenience and I will declare the application administratively complete.

Regards,

Erwin Madrid
Team Lead
ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality



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

From: Lauren Crone <lcrone@lja.com>
Sent: Thursday, March 13, 2025 4:53 PM
To: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: Florence TPDES

Erwin,

I just confirmed that we do need the alternative language for this permit application. Please let me know if I need to update the application form.

Thank you,

Lauren Crone, P.E. | Senior Project Manager
CENTRAL TEXAS LAND DEVELOPMENT
O: 512.439.4700 | C: 512.971.7693
7500 Rialto Blvd. Building II, Suite 100 Austin, TX 78735
EMPLOYEE-OWNED. CLIENT FOCUSED.
www.lja.com



[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email

B. Prefix: Mr. Last Name, First Name: Vembutty, Shaun
Title: Manager Credential: Click to enter text.
Organization Name: FLORENCE FM 970 VENTURES, LLC
Mailing Address: 101 Parklane Boulevard, Suite 102 City, State, Zip Code: Sugar Land, TX 77478
Phone No.: 713-875-0009 E-mail Address: mark@ashtongreydev.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Vembutty, Shaun
Title: Manager Credential: Click to enter text.
Organization Name: FLORENCE FM 970 VENTURES, LLC
Mailing Address: 101 Parklane Boulevard, Suite 102 City, State, Zip Code: Sugar Land, TX 77478
Phone No.: 713-875-0009 E-mail Address: mark@ashtongreydev.com

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

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

Prefix: Mr. Last Name, First Name: Vembutty, Shaun
Title: Manager Credential: Click to enter text.
Organization Name: FLORENCE FM 970 VENTURES, LLC
Mailing Address: 101 Parklane Boulevard, Suite 102 City, State, Zip Code: Sugar Land, TX 77478
Phone No.: 713-875-0009 E-mail Address: mark@ashtongreydev.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Crone, Lauren
Title: Sr. Project Manager Credential: P.E.
Organization Name: LJA Engineering, Inc.
Mailing Address: 7500 Rialto Blvd, Bldg. II, Ste 100 City, State, Zip Code: Austin, TX 78735
Phone No.: (512) 439-4700 E-mail Address: lcrone@lja.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Ms.

Last Name, First Name: Crone, Lauren

Title: Sr. Project Manager

Credential: P.E.

Organization Name: LJA Engineering, Inc.

Mailing Address: 7500 Rialto Blvd, Bldg. II, Ste 100 City, State, Zip Code: Austin, TX 78735

Phone No.: (512) 439-4700

E-mail Address: lcrone@lja.com

D. Public Viewing Information

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

Public building name: Florence Public Library

Location within the building: Public Viewing Desk

Physical Address of Building: 207 E Main St, Florence, TX 76527

City: Florence

County: Williamson

Contact (Last Name, First Name): Click to enter text.

Phone No.: (254) 793-2672 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

☒ Yes

☐ No

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

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

☐ Yes

☒ No

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

F. Plain Language Summary Template

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

Attachment: Appendix 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: Appendix B

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 Click to enter text.

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):

Florence Tract WWTP

C. Owner of treatment facility: FLORENCE FM 970 VENTURES, LLC

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

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

Prefix: Mr.

Last Name, First Name: Vembutty, Shaun

Title: Manager

Credential: Click to enter text.

Organization Name: FLORENCE FM 970 VENTURES, LLC

Mailing Address: 101 Parklane Boulevard, Suite 102 City, State, Zip Code: Sugar Land, TX 77478

Phone No.: 713-875-0009

E-mail Address: mark@ashtongreydev.com

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

Attachment: Click to enter text.

January 6th, 2025

Rachel Ellis
Applications Review and Processing Team
Water Quality Division – TCEQ, MC 148
12100 Park 35 Circle
Austin, Texas 78753

Re: Florence Tract Wastewater Treatment Plant
Proposed by Florence FM 970 Ventures LLC (CN60633283)
Application No. WQ0016682001
RN112097597
LJA Project No. A474-0408

Dear Rachel:

Please find the responses related to the permit application for Florence Tract WWTP received December 10th, 2024 below.

1. Landowner labels: Please list each name and address to be capitalized, contain no punctuation, and the appropriate two-character abbreviation must be used for the state. Each entity must be blocked and space consecutively. The format is required by the Postal Service for machine readability. In addition, do not include the numbers used to cross-reference the landowners on the landowners' map. The landowner's labels should be the name and address only. Please provide electronic labels via MS Word document typed in format mentioned and as example seen below. (Avery label 5160 format 3 columns across, 10 columns down for a total of 30 labels per page.)

EXAMPLES:

SHARMAN DUNN	MR AND MRS EDWARD PEABODY	BRIAR LP
RR 1 BOX 34	1405 MONTAGUE LN	PO BOX 249
SEA TX 76724	SEA TX 76710-1234	SEA TX 76710-0249

Response: The updated labels have been attached in a MS Word Document.

2. Landowners map: Please submit another landowner's map without the reference list. Please update the landowners map and return with response to this letter.

Response: Attached is the updated landowners Map with the reference list attached separately.

3. Administrative report, Section 1: We were unable to confirm payment of the application processing fee. The filing fee for a new permit is \$1,250.00. Please submit payment to: TCEQ, Revenue Section (MC 214), P.O. Box 13088, Austin, Texas 78711-3088. Submit proof of payment with the response to this letter.

Response: The fee has been paid using TCEQ ePay. The receipt has been attached to this response.

4. The following is a portion of the NORI which contains information relevant to your application.

Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Florence FM 970 Ventures, LLC, 101 Parklane Boulevard, Sugar Land, Texas 77478, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016682001 (EPA I.D. No. TX0147079) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 400,000 gallons per day. The domestic wastewater treatment facility will be located at 0.65 miles southwest of the intersection of Farm-to-Market Road 970 and South Patterson Avenue, near the city of Florence, in Williamson County, Texas 76527. The discharge route will be from the plant site to (pending RWA). TCEQ received this application on December 10, 2024. The permit application will be available for viewing and copying at Florence Public Library, public viewing desk, 207 East Main Street, Florence, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

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

This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.795555,30.826388&level=18>

Further information may also be obtained from Florence FM 970 Ventures, LLC at the address stated above or by calling Ms. Lauren Crone, P.E., LJA Engineering, Inc., at 512-439-4700.

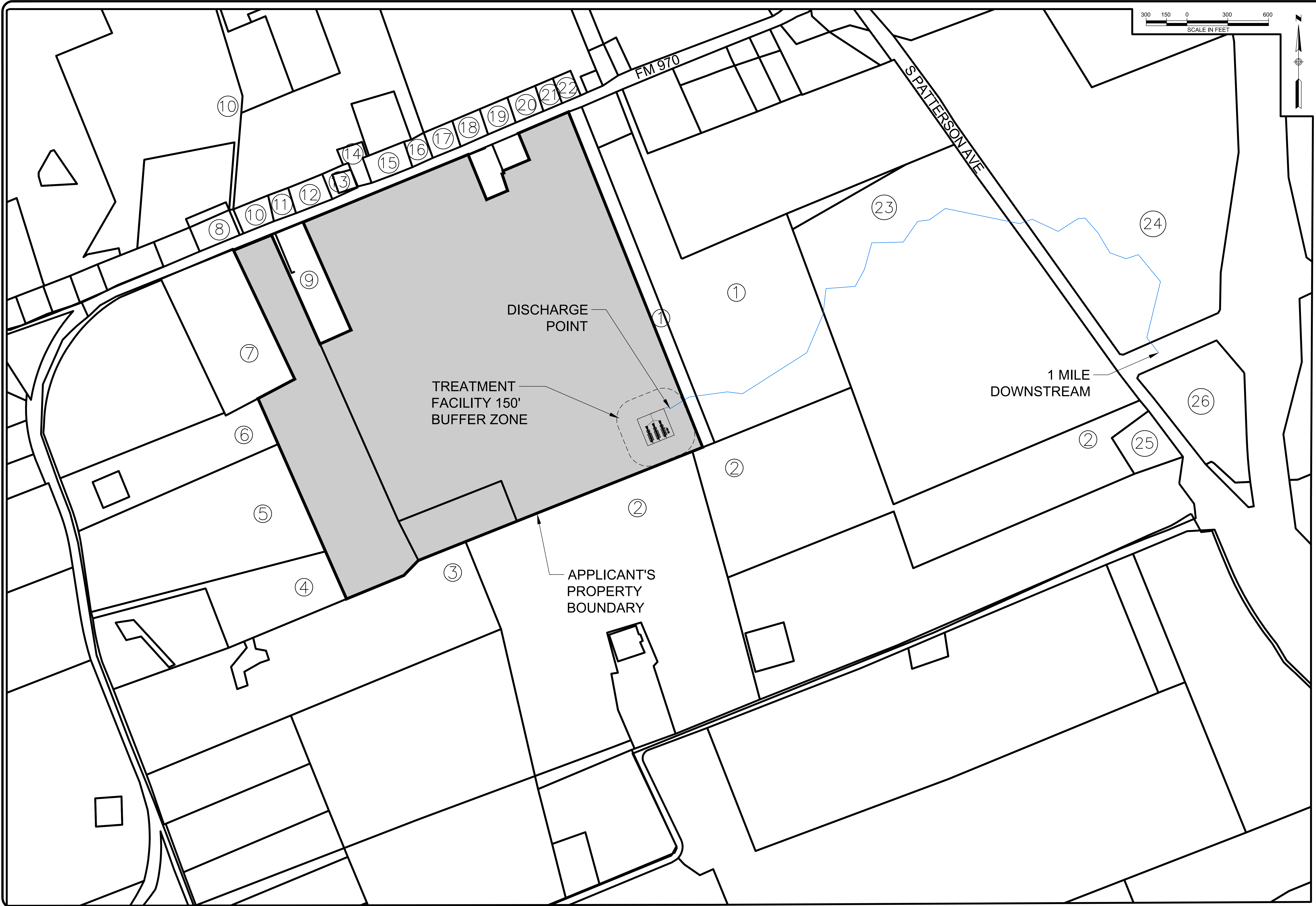
Response: No errors or omissions were found in this notice.

Should you have any questions or need any additional information, please do not hesitate to call.

Sincerely,

A handwritten signature in dark blue ink that reads "Lauren Crone". The signature is fluid and cursive, with the first name "Lauren" being more prominent than the last name "Crone".

Lauren Crone, P.E.



AFFECTED LANDOWNERS MAP

FLORENCE TRACT WWTP

WILLIAMSON COUNTY, TX

LJA Engineering, Inc.
7500 Riata Boulevard
Building II, Suite 100
Austin, Texas 78735
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

MAP NUMBER	NAME	ADDRESS (1)	ADDRESS (2)
1	FLORENCE ISD	306 COLLEGE AVE, FLORENCE, TX 76527	401 FM 970, FLORENCE, TX 76527
2	DANIELL, JEFFREY DEWAYNE	PO BOX 442, FLORENCE, TX 76527	Highway 195, FLORENCE, TX 76527
3	SVTEXASHILLS VENTURES LLC	10817 STRAW FLOWER DR, FLORENCE, TX 76528	1675 FM 970, FLORENCE, TX 76527
4	ROSENBUSCH, MELISSA KAY	1601 FM 970, FLORENCE, TX 76527	PO BOX 216, FLORENCE, TX 76527
5	CREASEY, HOWARD A & ROSANNE M	1525 FM 970, FLORENCE, TX 76527	PO BOX 861, FLORENCE, TX 76527
6	ALBARADO, KATHRYN J & FRANCISCO N	1455 FM 970, FLORENCE, TX 76527	1456 FM 970, FLORENCE, TX 76527
7	PARKER, LARRY W & JULIE BINFORD	931 FM 970, FLORENCE, TX 76527	PO BOX 173, FLORENCE, TX 76527
8	HAVINS, DAVID C & KAREN L	930 FM 970, FLORENCE, TX 76527	PO BOX 142, FLORENCE, TX 76527
9	CITY OF FLORENCE	851 FM 970, FLORENCE, TX 76527	PO BOX 430, FLORENCE, TX 76527
10	BIZZELL, R & D	FAMILY PARTNERSHIP LTD 9109 COUNTY ROAD 272, BERTRAM, TX 78605	CR 226, FLORENCE, TX 76527
11	HOWER, TAMMY	850 FM 970, FLORENCE, TX 76527	850 FM 970, FLORENCE, TX 76527
12	JENKINS, ROBERT E & JEANY K	780 FM 970, FLORENCE, TX 76527	780 FM 970, FLORENCE, TX 76527
13	FERGUSON, TERRIE BURT	746 FM 970, FLORENCE, TX 76527	746 FM 970, FLORENCE, TX 76527
14	RAMIREZ, CARLOS A & LINDSAY LONG (JTROS)	700 FM 970, FLORENCE, TX 76527	700 FM 970, FLORENCE, TX 76527
15	GANN, WENDI & JESICA	670 FM 970, FLORENCE, TX 76527	670 FM 970, FLORENCE, TX 76527
16	ROCKETT, GROVER REX & MARY JEAN	650 FM 970, FLORENCE, TX 76527	650 FM 970, FLORENCE, TX 76527
17	CORN, JOHN H & BARBARA R & CHRISTOPHER W	570 FM 970, FLORENCE, TX 76527	570 FM 970, FLORENCE, TX 76527
18	JENKINS, ROBERT E & JEANY H	540 FM 970, FLORENCE, TX 76527	780 FM 970, FLORENCE, TX 76527
19	MCCORQUODALE, KATHERINE A	500 FM 970, FLORENCE, TX 76527	PO BOX 944, FLORENCE, TX 76527
20	COLEMAN, TERESITA R	470 FM 970, FLORENCE, TX 76527	470 FM 970, FLORENCE, TX 76527
21	BURSON, WESTON & LAUREN	430 FM 970, FLORENCE, TX 76527	430 FM 970, FLORENCE, TX 76527
22	REUSCHEL, SEAN EDWARD	400 FM 970, FLORENCE, TX 76527	400 FM 970, FLORENCE, TX 76527
23	ATKINSON, J T & W F FAMILY LTD PARTNERSHIP MCCAMANT DONNA & DEBORAH K PEASLEY & DALE	PO BOX 67, FLORENCE, TX 76527	Highway 195, FLORENCE, TX 76527 3803 ROCKLEDGE DR, AUSTIN, TX
24	& DWIGHT KEMNITZ	801 S PATTERSON AVE, FLORENCE, TX 76527	78731
25	QUADPROPERTIES LLC HAYDON BARBARA & THE EUGENE HAYDON ESTATE	974 S PATTERSON AVE, FLORENCE, TX 76527	628 E OLTORF ST, AUSTIN TX 78704
26	TRUST	11901 SH 195, FLORENCE, TX 76527	PO BOX 494, FLORENCE, TX 76527

[Shopping Cart](#)[Select Fee](#)[Search Transactions](#)[Sign Out](#)

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number: 582EA000642141

Date: 01/07/2025 08:34 AM

Payment Method: CC - Authorization 0000007948

ePay Actor: LAUREN CRONE

Actor Email: lcrone@lja.com

IP: 170.55.94.226

TCEQ Amount: \$1,250.00

Texas.gov Price: \$1,278.38*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name: LAUREN CRONE

Company: LJA ENGINEERING INC

Address: 3300 W SAM HOUSTON PKWY S, HOUSTON, TX 77042

Phone: 512-439-4700

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
739309	WW PERMIT - FACILITY WITH FLOW >= .25 & < .50 MGD - NEW AND MAJOR AMENDMENTS		\$1,200.00
739310	30 TAC 305.53B WQ NOTIFICATION FEE		\$50.00
TCEQ Amount:			\$1,250.00

ePay Again

Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

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[Statewide Links: Texas.gov](#) | [Texas Homeland Security](#) | [TRAIL Statewide Archive](#) | [Texas Veterans Portal](#)

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FLORENCE ISD
306 COLLEGE AVE
FLORENCE, TX 76527

JEFFREY DEWAYNE DANIELL
PO BOX 442
FLORENCE, TX 76527

SVTEXASHILLS VENTURES LLC
10817 STRAW FLOWER DR
FLORENCE, TX 76528

MELISSA KAY ROSENBUSCH
1601 FM 970
FLORENCE, TX 76527

HOWARD A & ROSANNE M CREASEY
1525 FM 970
FLORENCE, TX 76527

KATHRYN J & FRANCISCO N ALBARADO
1455 FM 970
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PARKER, LARRY W & JULIE BINFORD
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DAVID C & KAREN L HAVINS
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FLORENCE, TX 76527

CITY OF FLORENCE
851 FM 970
FLORENCE, TX 76527

TERRIE BURT FERGUSON
746 FM 970
FLORENCE, TX 76527

CARLOS A RAMIREZ & LINDSAY LONG
(JTROS)
700 FM 970
FLORENCE, TX 76527

WENDI & JESICA GANN
670 FM 970
FLORENCE, TX 76527

GROVER REX & MARY JEAN ROCKETT
650 FM 970
FLORENCE, TX 76527

JOHN H CORN & BARBARA R &
CHRISTOPHER W
570 FM 970
FLORENCE, TX 76527

ROBERT E & JEANY H JENKINS
540 FM 970
FLORENCE, TX 76527

KATHERINE A MCCORQUODALE
500 FM 970
FLORENCE, TX 76527

TERESITA R COLEMAN
470 FM 970
FLORENCE, TX 76527

WESTON & LAUREN BURSON
430 FM 970
FLORENCE, TX 76527

SEAN EDWARD REUSCHEL
400 FM 970
FLORENCE, TX 76527

J T ATKINSON & W F FAMILY LTD
PARTNERSHIP
PO BOX 67
FLORENCE, TX 76527

DONNA MCCAMANT & DEBORAH K
PEASLEY & DALE & DWIGHT KEMNITZ
801 S PATTERSON AVE
FLORENCE, TX 76527

QUADPROPERTIES LLC
974 S PATTERSON AVE
FLORENCE, TX 76527

HAYDON BARBARA & THE EUGENE
HAYDON ESTATE TRUST
11901 SH 195
FLORENCE, TX 76527

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
DOMESTIC WASTEWATER PERMIT APPLICATION
FOR A
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT**

FOR

FLORENCE TRACT WASTEWATER TREATMENT PLANT

DECEMBER 2024

PREPARED FOR

FLORENCE FM 970 VENTURES, LLC
101 PARKLANE BOULEVARD
SUGAR LAND, TX 77478
(713) 875-0009

PREPARED BY

LJA ENGINEERING, INC.
7500 RIALTO BLVD
BUILDING II, SUITE 100
(512) 439 - 4700
Austin, Texas 78735
(512) 439-4700



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EXHIBIT 1

ADMINISTRATIVE REPORT 1.0
ADMINISTRATIVE REPORT 1.1



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: FLORENCE FM 970 VENTURES, LLC

PERMIT NUMBER (If new, leave blank): WQ00 [Click to enter text.](#)

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

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

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 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input checked="" type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number:
Check/Money Order Amount:
Name Printed on Check:
EPAY Voucher Number:
Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

- ☐ Publicly-Owned Domestic Wastewater
☐ Privately-Owned Domestic Wastewater
☒ Conventional Wastewater Treatment

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

- ☐ Active ☒ Inactive

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 [Click to enter text.](#)

EPA I.D. (TPDES only): TX [Click to enter text.](#)

Expiration Date: [Click to enter text.](#)

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?

FLORENCE FM 970 VENTURES, LLC

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

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

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

CN: [Click to enter text.](#)

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

Prefix: Mr.

Last Name, First Name: Vembutty, Shaun

Title: Manager

Credential: [Click to enter text.](#)

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

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

[Click to enter text.](#)

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

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

CN: Click to enter text.

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

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. **See Appendix 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: Crone, Lauren
Title: Sr. Project Manager Credential: P.E.
Organization Name: LJA Engineering, Inc
Mailing Address: 7500 Rialto Blvd, Bldg. II, Ste 100 City, State, Zip Code: Austin, TX 78735
Phone No.: (512) 439-4700 E-mail Address: lcrone@lja.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Mr. Last Name, First Name: Ryan, Daniel
Title: Vice President Credential: P.E.
Organization Name: LJA Engineering, Inc.
Mailing Address: 7500 Rialto Blvd, Bldg II, Ste 100 City, State, Zip Code: Austin, TX 78735
Phone No.: (512) 439-4700 E-mail Address: Click to enter text.
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: Ms. Last Name, First Name: Crone, Lauren
Title: Sr. Project Manager Credential: P.E.
Organization Name: LJA Engineering, Inc.
Mailing Address: 7500 Rialto Blvd, Bldg. II, Ste 100 City, State, Zip Code: Austin, TX 78735
Phone No.: (512) 439-4700 E-mail Address: lcrone@lja.com

B. Prefix: Mr. Last Name, First Name: Vembutty, Shaun
Title: Manager Credential: Click to enter text.
Organization Name: FLORENCE FM 970 VENTURES, LLC
Mailing Address: 101 Parklane Boulevard, Suite 102 City, State, Zip Code: Sugar Land, TX 77478
Phone No.: 713-875-0009 E-mail Address: mark@ashtongreydev.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Vembutty, Shaun
Title: Manager Credential: Click to enter text.
Organization Name: FLORENCE FM 970 VENTURES, LLC
Mailing Address: 101 Parklane Boulevard, Suite 102 City, State, Zip Code: Sugar Land, TX 77478
Phone No.: 713-875-0009 E-mail Address: mark@ashtongreydev.com

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

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

Prefix: Mr. Last Name, First Name: Vembutty, Shaun
Title: Manager Credential: Click to enter text.
Organization Name: FLORENCE FM 970 VENTURES, LLC
Mailing Address: 101 Parklane Boulevard, Suite 102 City, State, Zip Code: Sugar Land, TX 77478
Phone No.: 713-875-0009 E-mail Address: mark@ashtongreydev.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Crone, Lauren
Title: Sr. Project Manager Credential: P.E.
Organization Name: LJA Engineering, Inc.
Mailing Address: 7500 Rialto Blvd, Bldg. II, Ste 100 City, State, Zip Code: Austin, TX 78735
Phone No.: (512) 439-4700 E-mail Address: lcrone@lja.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Ms.

Last Name, First Name: Crone, Lauren

Title: Sr. Project Manager

Credential: P.E.

Organization Name: LJA Engineering, Inc.

Mailing Address: 7500 Rialto Blvd, Bldg. II, Ste 100 City, State, Zip Code: Austin, TX 78735

Phone No.: (512) 439-4700

E-mail Address: lcrone@lja.com

D. Public Viewing Information

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

Public building name: Florence Public Library

Location within the building: Public Viewing Desk

Physical Address of Building: 207 E Main St, Florence, TX 76527

City: Florence

County: Williamson

Contact (Last Name, First Name): Click to enter text.

Phone No.: (254) 793-2672 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

☐

Yes

☒

No

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

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

☐

Yes

☐

No

3. Do the students at these schools attend a bilingual education program at another location?
- ☐ Yes ☐ No
4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?
- ☐ Yes ☐ No
5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? [Click to enter text.](#)

F. Plain Language Summary Template

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

Attachment: [Appendix 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: [Appendix B](#)

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 [Click to enter text.](#)

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):

Florence Tract WWTP

- C. Owner of treatment facility: FLORENCE FM 970 VENTURES, LLC

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

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

Prefix: Mr.

Last Name, First Name: Vembutty, Shaun

Title: Manager

Credential: [Click to enter text.](#)

Organization Name: FLORENCE FM 970 VENTURES, LLC

Mailing Address: 101 Parklane Boulevard, Suite 102 City, State, Zip Code: Sugar Land, TX 77478

Phone No.: 713-875-0009

E-mail Address: mark@ashtongreydev.com

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

Attachment: [Click to enter text.](#)

E. Owner of effluent disposal site:

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

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

Attachment: [Click to enter text.](#)

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

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

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

Attachment: [Click to enter text.](#)

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☐

Yes

☐

No

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

New Permit. The facility is located 0.65 miles Southwest from the intersection of FM 970 and S Patterson Ave in Williamson County.

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:

New Permit. From the proposed treatment plant, the effluent will be discharged into an unnamed tributary of South Salado Creek, the travel 0.73 miles to South Salado Creek. From there, the effluent will flow approximately 7.0 miles along South Salado Creek, then discharge into Salado Creek, segment 1243.

City nearest the outfall(s): Florence

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

- C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☒ No

If **yes**, indicate by a check mark if:

☐ Authorization granted ☐ Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: [Click to enter text.](#)

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: [Click to enter text.](#)

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

[Click to enter text.](#)

- B. City nearest the disposal site: [Click to enter text.](#)

- C. County in which the disposal site is located: [Click to enter text.](#)

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

[Click to enter text.](#)

- E. For TLAPs, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: [Click to enter text.](#)

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

Click to enter text.

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

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: [Click to enter text.](#)

- D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

- E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

Section 13. Attachments (Instructions Page 33)

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

- ☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- ☒ Original full-size USGS Topographic Map with the following information:
- 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: APPENIDX A: CORE DATA FORM, APPENIDX B: PLAIN LANGUAGE SUMMARY AND PUBLIC INVOLVEMENT PLAN, APPENIDX C: USGS MAP, APPENIDX D: AFFECTED LANDOWNERS MAP, APPENIDX E: ORIGINAL PHOTOGRAPHS MAP, APPENIDX F: BUFFER ZONE MAP, APPENIDX G: SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF) & MAP, APPENIDX H: PROCESS FLOW DIAGRAM, APPENIDX I: SITE DRAWING, APPENIDX J: REGIONALIZATION & REQUEST FOR SERVICE LETTERS, APPENIDX K: DESIGN CALCULATIONS,

APPENIDX L: FEMA MAP, APPENIDX M: WIND ROSE, APPENIDX N:SEWAGE SLUDGE SOLIDS
MANAGEMENT PLAN

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: Click to enter text.

Applicant: FLORENCE FM 970 VENTURES, LLC


Certification:

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

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

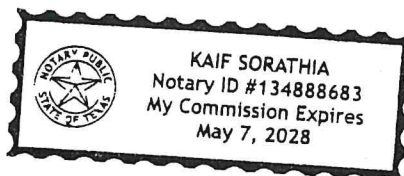
Signatory name (typed or printed): Shaun Vembutty

Signatory title: Manager

Signature:  Date: 12/4/2024
(Use blue ink)

Subscribed and Sworn to before me by the said Sudharshan Vembutty.
on this 4 day of December, 20 24.
My commission expires on the 7 day of May, 20 28.

Kaif Sorathia
Notary Public



[SEAL]

Fort Bend
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: Williamson CAD

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):

Click to enter text.

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: Appendix G

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

EXHIBIT 2

**DOMESTIC TECHNICAL REPORT 1.0
DOMESTIC TECHNICAL REPORT 1.1
DOMESTIC TECHNICAL REPORT 2.0**



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): 0.075

2-Hr Peak Flow (MGD): 0.3

Estimated construction start date: 2026

Estimated waste disposal start date: 2027

B. Interim II Phase

Design Flow (MGD): 0.15

2-Hr Peak Flow (MGD): 0.60

Estimated construction start date: 2027

Estimated waste disposal start date: 2028

C. Final Phase

Design Flow (MGD): 0.4

2-Hr Peak Flow (MGD): 1.6

Estimated construction start date: 2028

Estimated waste disposal start date: 2029

D. Current Operating Phase

Provide the startup date of the facility: N/A – New Facility

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 facility is to be constructed in three phases with a total design flow of 400,000 gpd. Phases I and II will treat 75,000 gpd each, and the third phase will treat 250,000. Each phase will operate as a suspended-growth activated sludge process in extended aeration mode. The treatment units include a bar screen, aeration basin, clarifier, chlorine contact basin and an aerobic digester. Wastewater will be pumped into the plant where it will enter an aeration basin through a bar screen. The influent will then pass through the aeration zone and flow into a clarifier. From there, the effluent will flow to a chlorine contact basin for disinfection. This facility will also use a digester for sludge holding, prior to haul off.

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)
Clarifier	3 (1 per phase)	Phase 1: 22' DIA x 10' D Phase 2: 22' DIA x 10' D Phase 3: 38' DIA x 10' D
Aeration Basin	3 (1 per phase)	Phase 1: 67'L x 40'W x 10'D Phase 2: 67'L x 40'W x 10'D Phase 3: 67'L x 40'W x 10'D
Aerobic Digester	3 (1 per phase)	Phase 1: 40'L x 20'W x 10'D Phase 2: 40'L x 20'W x 10'D Phase 3: 40'L x 20'W x 10'D
Chlorine Contact Chamber	3 (1 per phase)	Phase 1: 12'L x 5'W x 10'D Phase 2: 12'L x 5'W x 10'D Phase 3: 28'L x 7'W x 10'D

C. Process Flow Diagram

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

Attachment: Appendix H

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°49'34.683"N
- Longitude: 97°47'44.156"W

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:

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

Florence Tract WWTP: A 1,632 LUE primarily single family, mixed used development on approximately 162 acres being developed in Williamson County. (See Appendix I)

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
Florence Tract WWTP	Florence FM 920 Ventures, LLC	Privately Owned	
		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.**

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.

Click to enter text.

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.**

Click to enter text.

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.

A 150' buffer zone inside the applicant's property boundary will surround the treatment plant.

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*.

Click to enter text.

D. Grit and grease treatment

1. *Acceptance of grit and grease waste*

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

☐ Yes ☒ No

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

2. *Grit and grease processing*

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

Click to enter text.

3. *Grit disposal*

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

Click to enter text.

4. *Grease and decanted liquid disposal*

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

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

Click to enter text.

E. Stormwater management

1. *Applicability*

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☐ Yes ☐ No

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

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

[Click to enter text.](#)

4. *Existing coverage in individual permit*

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

☐ Yes ☐ No

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

[Click to enter text.](#)

5. *Zero stormwater discharge*

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

☐ Yes ☐ No

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

[Click to enter text.](#)

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

6. Request for coverage in individual permit

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

☐ Yes ☐ No

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

[Click to enter text.](#)

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

[Click to enter text.](#)

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

[Click to enter text.](#)

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

2. *Acceptance of septic waste*

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 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). **Water treatment facilities** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Crossroads Utility Services

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

Facility Operator's License Number: OC0000182

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

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

C. 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
Other	Off-site Third-Party Handler or Preparer	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.	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): [Transported to another permitted WWTP.](#)

D. Disposal site

Disposal site name: [Click to enter text.](#)

TCEQ permit or registration number: [Click to enter text.](#)

County where disposal site is located: [Click to enter text.](#)

E. Transportation method

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

Name of the hauler: [Captex](#)

Hauler registration number: [20745](#)

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: [Click to enter text.](#)

- USDA Natural Resources Conservation Service Soil Map:

Attachment: [Click to enter text.](#)

- Federal Emergency Management Map:

Attachment: [Click to enter text.](#)

- Site map:

Attachment: [Click to enter text.](#)

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

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

Attachment: [Click to enter text.](#)

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

[Click to enter text.](#)

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [Click to enter text.](#)

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

Arsenic: [Click to enter text.](#)

Cadmium: [Click to enter text.](#)

Chromium: [Click to enter text.](#)

Copper: [Click to enter text.](#)

Lead: [Click to enter text.](#)

Mercury: [Click to enter text.](#)

Molybdenum: [Click to enter text.](#)

Nickel: [Click to enter text.](#)

Selenium: [Click to enter text.](#)

Zinc: [Click to enter text.](#)

Total PCBs: [Click to enter text.](#)

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [Click to enter text.](#)

Total dry tons stored in the lagoons(s) per 365-day period: [Click to enter text.](#)

Total dry tons stored in the lagoons(s) over the life of the unit: [Click to enter text.](#)

C. Liner information

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

☐ Yes ☐ No

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

[Click to enter text.](#)

D. Site development plan

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

[Click to enter text.](#)

Attach the following documents to the application.

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

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☐ No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: [Click to enter text.](#)

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 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:

[Click to enter text.](#)

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

[Click to enter text.](#)

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: [Click to enter text.](#)

Section 14. Laboratory Accreditation (Instructions Page 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: Shaun Vembutty

Title: Manager

Signature: _____

Date: 12/04/2024

DOMESTIC WASTEWATER PERMIT APPLICATION

TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 57)

A. Justification of permit need

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

The wastewater treatment plant will serve the proposed residential development. Based on conversations with City of Florence staff, capacity is not available to provide wastewater service to this tract. The use of a central collection treatment and disposal system is being preferred to an equivalent number of private residential septic tank/drain field units. Design flows are based on Living Unit Equivalents (LUEs) or connections associated with the service area. A basis of 245 gallons of wastewater per day per connection (maximum 30-day wet weather average) was assumed for flow projections. The ultimate flow is based on the total number of LUEs (1,632 LUEs). The total flow needed at full build would be 1,632 connections x 245 gal/day/connection = 400,000 gal/day assumed.

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: [Click to enter text.](#)

If yes, attach correspondence from the city.

Attachment: [Click to enter text.](#)

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

Attachment: [Click to enter text.](#)

2. *Utility CCN areas*

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

¹ <https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater>

☐ Yes ☒ No

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: [Click to enter text.](#)

3. *Nearby WWTs 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: [Appendix J](#)

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: [Appendix J](#)

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: [Click to enter text.](#)

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): [Click to enter text.](#)

Average Influent Organic Strength or BOD₅ Concentration in mg/l: [Click to enter text.](#)

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): [Click to enter text.](#)

Provide the source of the average organic strength or BOD₅ concentration.

[Click to enter text.](#)

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 BOD ₅ Concentration (mg/l)
Municipality		
Subdivision	0.4	400
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.4 MGD	400
AVERAGE BOD ₅ from all sources		

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

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 5.0

Total Suspended Solids, mg/l: 5.0

Ammonia Nitrogen, mg/l: 2.0

Total Phosphorus, mg/l: 0.5

Dissolved Oxygen, mg/l: 5.0

Other: Click to enter text.

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 5.0

Total Suspended Solids, mg/l: 5.0

Ammonia Nitrogen, mg/l: 2.0

Total Phosphorus, mg/l: 0.5

Dissolved Oxygen, mg/l: 5.0

Other: Click to enter text.

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 5.0

Total Suspended Solids, mg/l: 5.0

Ammonia Nitrogen, mg/l: 2.0

Total Phosphorus, mg/l: 0.5

Dissolved Oxygen, mg/l: 5.0

Other: Click to enter text.

D. Disinfection Method

Identify the proposed method of disinfection.

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

Dechlorination process: Click to enter text.

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

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: Appendix K

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.

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

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: [Click to enter text.](#)

If **no**, provide the approximate date you anticipate submitting your application to the Corps: [Click to enter text.](#)

B. Wind rose

Attach a wind rose: **Appendix M**

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)**: [Click to enter text.](#)

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)**: [Click to enter text.](#)

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

Attachment: **Appendix N**

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

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

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

☐ Yes ☒ No

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

Owner of the drinking water supply: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

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

Attachment: [Click to enter text.](#)

Section 2. Discharge into Tidally Affected Waters (Instructions Page 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: [Click to enter text.](#)

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☒ No

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

[Click to enter text.](#)

C. Sea grasses

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

☐ Yes ☒ No

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

[Click to enter text.](#)

Section 3. Classified Segments (Instructions Page 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: Unnamed Tributary of South Salado Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☒ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: Click to enter text.

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

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

- ☐ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: Click to enter text.

B. Flow characteristics

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

- ☒ Intermittent - dry for at least one week during most years
- ☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- ☐ Perennial - normally flowing

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

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☒ Personal observation
- ☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

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

South Salado Creek

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

[Click to enter text.](#)

E. Normal dry weather characteristics

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

Streambed is typically dry during normal dry weather conditions.

Date and time of observation: 12/05/2024

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

☐ Urban runoff

☐ Upstream discharges

☒ Agricultural runoff

☐ Septic tanks

☐ Other(s), specify: [Click to enter text.](#)

B. Waterbody uses

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

- | | |
|--|--|
| <input checked="" type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities | <input type="checkbox"/> Other(s), specify: Click to enter text. |

C. Waterbody aesthetics

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

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

APPENDIX A
CORE DATA FORM



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		05/13/2022	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				If new Customer, enter previous Customer below:	
Florence FM 970 Ventures LLC					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID	
0804566890		32084582413		(9 digits)	
10. DUNS Number (if applicable)					
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees		13. Independently Owned and Operated?			
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:		101 Parklane Boulevard			
		Suite 102			
City		Sugar Land		State	TX
ZIP		77478		ZIP + 4	
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				mark@ashtongreydev.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information <i>(If 'New Regulated Entity' is selected, a new permit application is also required.)</i>							
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name <i>(Enter name of the site where the regulated action is taking place.)</i>							
Florence Tract WWTP							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>							
	City		State		ZIP		ZIP + 4
24. County	Williamson						

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

25. Description to Physical Location:	0.65 miles Southwest from the intersection of FM 970 and S Patterson Ave in Williamson County.						
26. Nearest City					State	Nearest ZIP Code	
Florence					TX	76527	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:		30.826306			28. Longitude (W) In Decimal:		-97.795611
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
30	49	34.683	-97	47	44.156		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
4952			22132				
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
Wastewater Treatment							
34. Mailing Address:	101 Parklane Boulevard						
	Suite 102						
	City	Sugar Land	State	TX	ZIP	77478	ZIP + 4
35. E-Mail Address:	mark@ashtongreydev.com						
36. Telephone Number	37. Extension or Code		38. Fax Number <i>(if applicable)</i>				
(713) 875-0009			() -				

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


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Lauren Crone, P.E.	41. Title:	Sr. Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 439-4700		() -	lcrone@lja.com

SECTION V: Authorized Signature

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

Company:	Florence FM 970 Ventures LLC	Job Title:	Manager
Name (In Print):	Shaun Vembutty	Phone:	(713) 875-0009
Signature:		Date:	12/4/2024

APPENDIX B

PLAIN LANGUAGE SUMMARY AND PUBLIC INVOLVEMENT PLAN



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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.

FLORENCE FM 970 VENTURES, LLC (CN#####) proposes to operate Florence Tract WWTP (RN#####), a 0.4 MGD wastewater treatment plant. The facility will be located at 0.65 miles Southwest from the intersection of FM 970 and S Patterson Ave, in Florence, Williamson County, Texas 76527. This is a new application to discharge 400,000 gallons per day of processed wastewater on an intermittent and flow-variable basis.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), total phosphorus (P), and Escherichia Coli. Domestic wastewater will be treated by a suspended growth activated sludge process in the extended aeration mode. Wastewater will be pumped into the plant where it will enter the aeration basin through a bar screen. The influent will then pass through the aeration zone into a clarifier. From the clarifier, the effluent will flow to a chlorine contact basin for disinfection. The facility will also use a digester for sludge holding, prior to haul off.

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.

FLORENCE FM 970 VENTURES, LLC (CN#####) propone operar la PTAR de Florence Tract (RN#####), una planta de tratamiento de aguas residuales de 0.4 MGD. La instalación estará ubicada a 0.65 millas al suroeste de la intersección de FM 970 y S Patterson Ave, en Florence, condado de Williamson, Texas 76527. Esta es una nueva aplicación para descargar 400,000 galones por día de aguas residuales procesadas de manera intermitente y de flujo variable. base.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso (CBOD5) de cinco días, sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N), fósforo total (P) y Escherichia coli. Las aguas residuales domésticas serán tratadas mediante un proceso de lodos activados de crecimiento suspendido en el modo de aireación extendida. Las aguas residuales se bombearán a la planta donde ingresarán al estanque de aireación a través de una rejilla de rejillas. Luego, el afluente pasará a través de la zona de aireación hacia un clarificador. Desde el clarificador, el efluente fluirá a una cubeta de contacto con cloro para su desinfección. La instalación también utilizará un digestor para almacenar lodos, antes de su transporte.



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

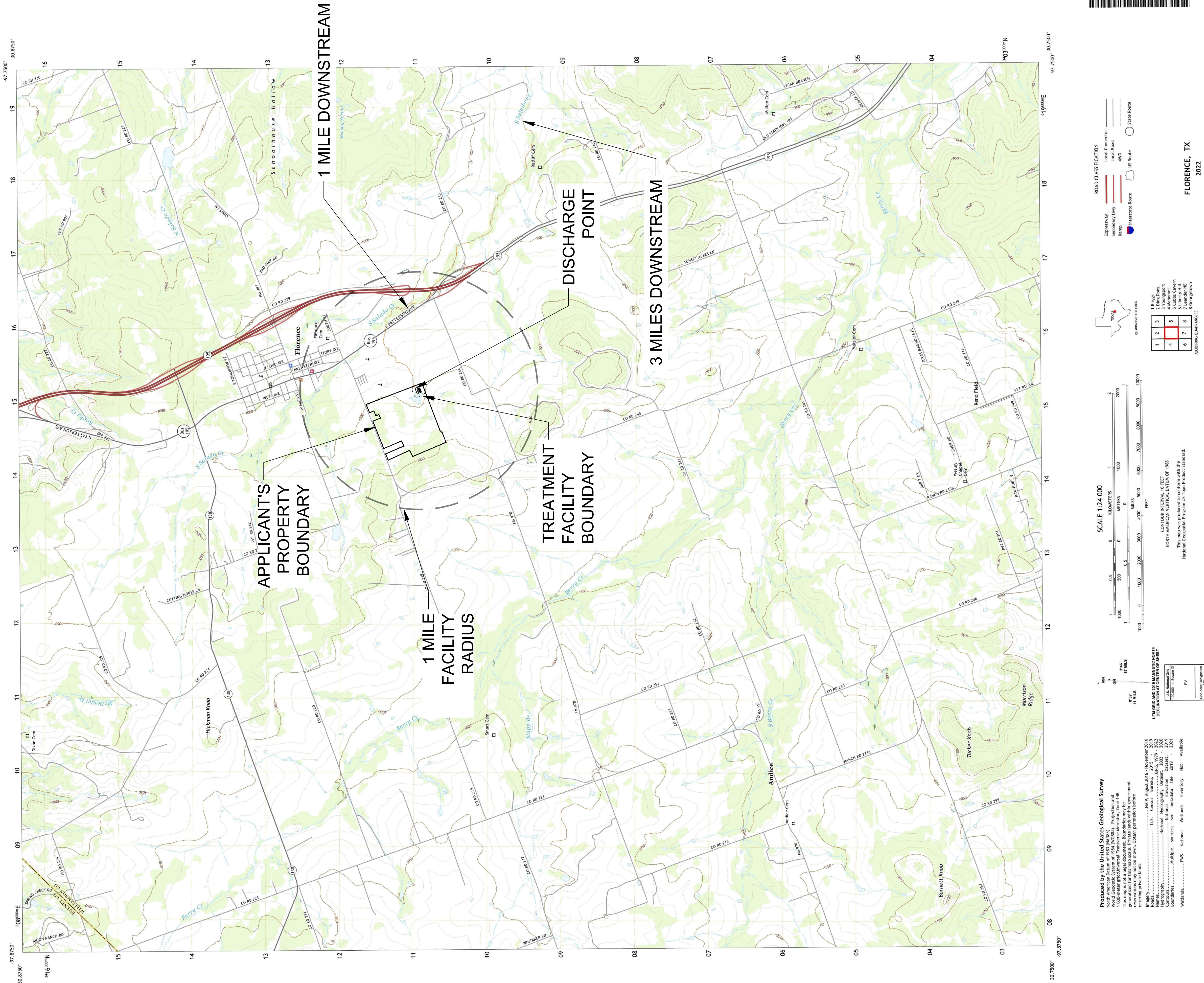
Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

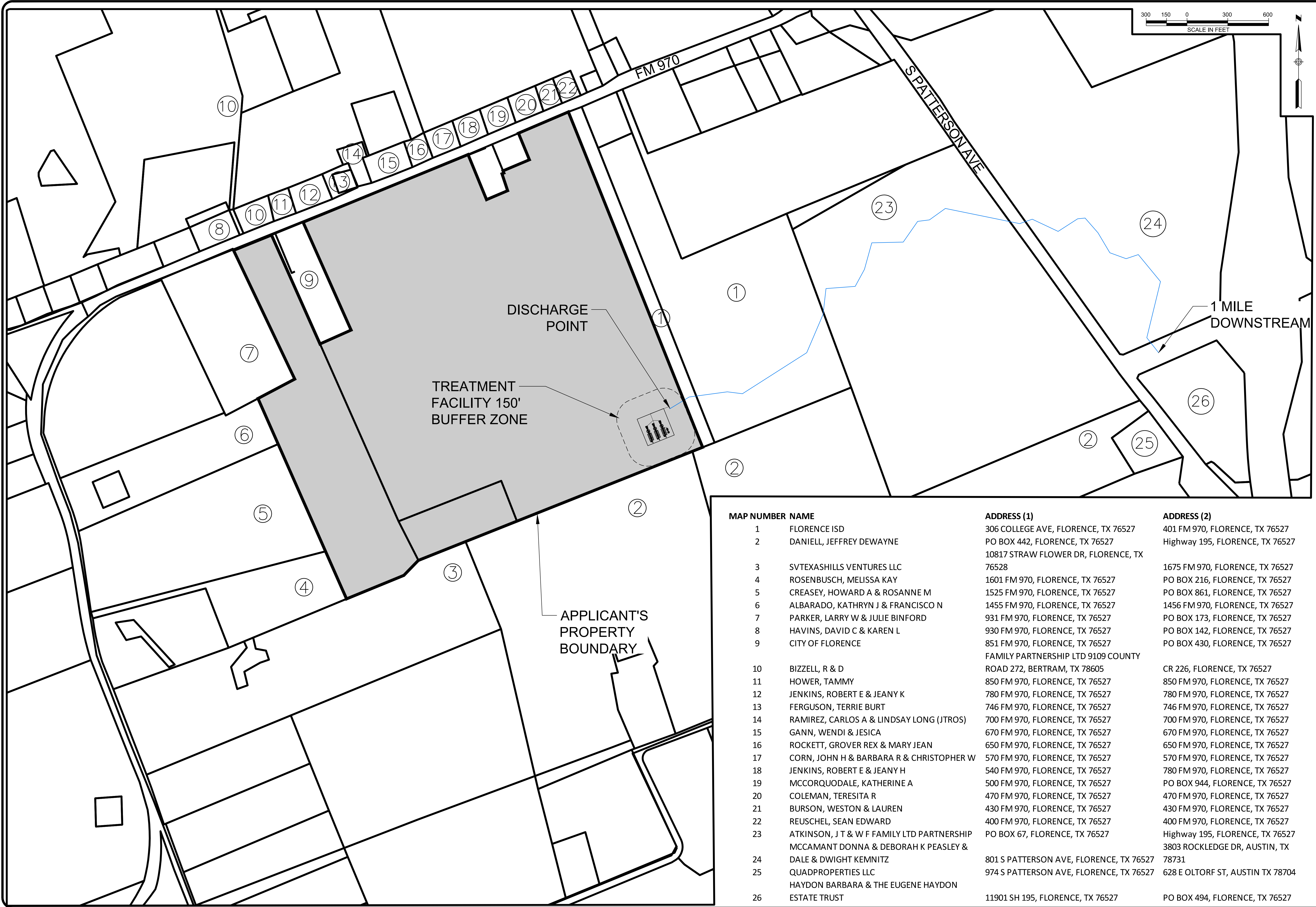
APPENDIX C

USGS MAP



APPENDIX D

AFFECTED LANDOWNERS MAP



AFFECTED LANDOWNERS MAP

FLORENCE TRACT WWTP
WILLIAMSON COUNTY, TX

MAP NUMBER	NAME	ADDRESS (1)	ADDRESS (2)
1	FLORENCE ISD	306 COLLEGE AVE, FLORENCE, TX 76527	401 FM 970, FLORENCE, TX 76527
2	DANIELL, JEFFREY DEWAYNE	PO BOX 442, FLORENCE, TX 76527	Highway 195, FLORENCE, TX 76527
		10817 STRAW FLOWER DR, FLORENCE, TX 76528	
3	SVTEXASHILLS VENTURES LLC		1675 FM 970, FLORENCE, TX 76527
4	ROSEBUSCH, MELISSA KAY	1601 FM 970, FLORENCE, TX 76527	PO BOX 216, FLORENCE, TX 76527
5	CREASEY, HOWARD A & ROSANNE M	1525 FM 970, FLORENCE, TX 76527	PO BOX 861, FLORENCE, TX 76527
6	ALBARADO, KATHRYN J & FRANCISCO N	1455 FM 970, FLORENCE, TX 76527	1456 FM 970, FLORENCE, TX 76527
7	PARKER, LARRY W & JULIE BINFORD	931 FM 970, FLORENCE, TX 76527	PO BOX 173, FLORENCE, TX 76527
8	HAVINS, DAVID C & KAREN L	930 FM 970, FLORENCE, TX 76527	PO BOX 142, FLORENCE, TX 76527
9	CITY OF FLORENCE	851 FM 970, FLORENCE, TX 76527	PO BOX 430, FLORENCE, TX 76527
		FAMILY PARTNERSHIP LTD 9109 COUNTY ROAD 272, BERTRAM, TX 78605	
10	BIZZELL, R & D		CR 226, FLORENCE, TX 76527
11	HOWER, TAMMY	850 FM 970, FLORENCE, TX 76527	850 FM 970, FLORENCE, TX 76527
12	JENKINS, ROBERT E & JEANY K	780 FM 970, FLORENCE, TX 76527	780 FM 970, FLORENCE, TX 76527
13	FERGUSON, TERRIE BURT	746 FM 970, FLORENCE, TX 76527	746 FM 970, FLORENCE, TX 76527
14	RAMIREZ, CARLOS A & LINDSAY LONG (JTROS)	700 FM 970, FLORENCE, TX 76527	700 FM 970, FLORENCE, TX 76527
15	GANN, WENDI & JESICA	670 FM 970, FLORENCE, TX 76527	670 FM 970, FLORENCE, TX 76527
16	ROCKETT, GROVER REX & MARY JEAN	650 FM 970, FLORENCE, TX 76527	650 FM 970, FLORENCE, TX 76527
17	CORN, JOHN H & BARBARA R & CHRISTOPHER W	570 FM 970, FLORENCE, TX 76527	570 FM 970, FLORENCE, TX 76527
18	JENKINS, ROBERT E & JEANY H	540 FM 970, FLORENCE, TX 76527	780 FM 970, FLORENCE, TX 76527
19	MCCORQUODALE, KATHERINE A	500 FM 970, FLORENCE, TX 76527	PO BOX 944, FLORENCE, TX 76527
20	COLEMAN, TERESITA R	470 FM 970, FLORENCE, TX 76527	470 FM 970, FLORENCE, TX 76527
21	BURSON, WESTON & LAUREN	430 FM 970, FLORENCE, TX 76527	430 FM 970, FLORENCE, TX 76527
22	REUSCHEL, SEAN EDWARD	400 FM 970, FLORENCE, TX 76527	400 FM 970, FLORENCE, TX 76527
23	ATKINSON, J T & W F FAMILY LTD PARTNERSHIP	PO BOX 67, FLORENCE, TX 76527	Highway 195, FLORENCE, TX 76527
	MCCAMANT DONNA & DEBORAH K PEASLEY & DALE & DWIGHT KEMNITZ	801 S PATTERSON AVE, FLORENCE, TX 76527	3803 ROCKLEDGE DR, AUSTIN, TX 78731
24		974 S PATTERSON AVE, FLORENCE, TX 76527	628 E OLTORF ST, AUSTIN TX 78704
25	QUADPROPERTIES LLC		
	HAYDON BARBARA & THE EUGENE HAYDON ESTATE TRUST	11901 SH 195, FLORENCE, TX 76527	PO BOX 494, FLORENCE, TX 76527
26			

LJA Engineering, Inc.
7500 Riata Boulevard
Building II, Suite 100
Austin, Texas 78735
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

MAP NUMBER	NAME	ADDRESS (1)	ADDRESS (2)
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23	ATKINSON, J T & W F FAMILY LTD PARTNERSHIP MCCAMANT DONNA & DEBORAH K PEASLEY & DALE	PO BOX 67, FLORENCE, TX 76527	Highway 195, FLORENCE, TX 76527 3803 ROCKLEDGE DR, AUSTIN, TX
24	& DWIGHT KEMNITZ	801 S PATTERSON AVE, FLORENCE, TX 76527	78731
25	QUADPROPERTIES LLC HAYDON BARBARA & THE EUGENE HAYDON ESTATE	974 S PATTERSON AVE, FLORENCE, TX 76527	628 E OLTORF ST, AUSTIN TX 78704
26	TRUST	11901 SH 195, FLORENCE, TX 76527	PO BOX 494, FLORENCE, TX 76527

APPENDIX E

ORIGINAL PHOTOGRAPHS MAP

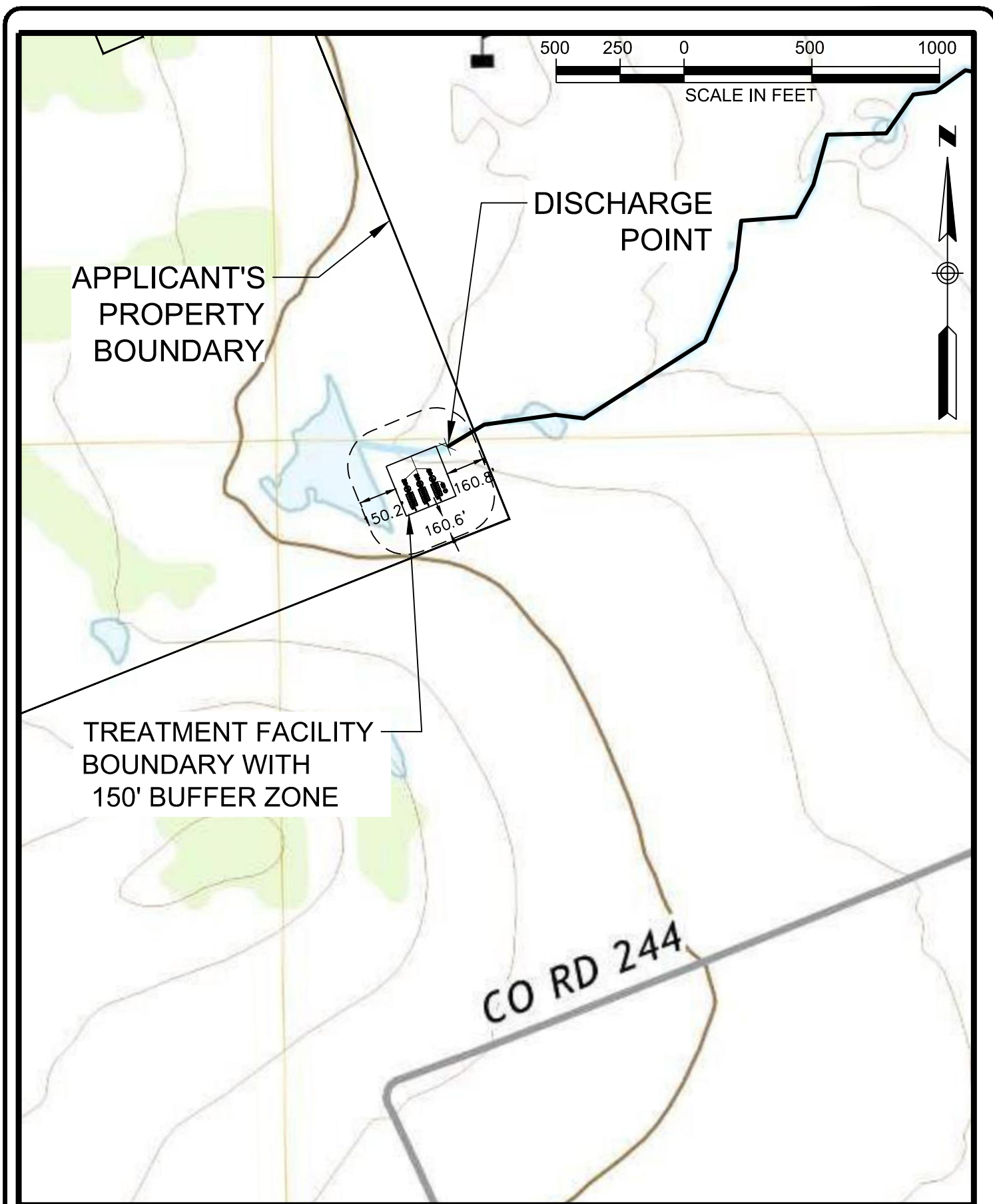


PHOTO EXHIBIT MAP

FLORENCE TRACT WWTP
WILLIAMSON COUNTY, TX

LJA Engineering, Inc.
7500 Rialto Boulevard
Building II, Suite 100
Austin, Texas 78735
Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

APPENDIX F
BUFFER ZONE MAP



LJA Engineering, Inc.

7500 Rialto Boulevard
Building II, Suite 100
Austin, Texas 78735



Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

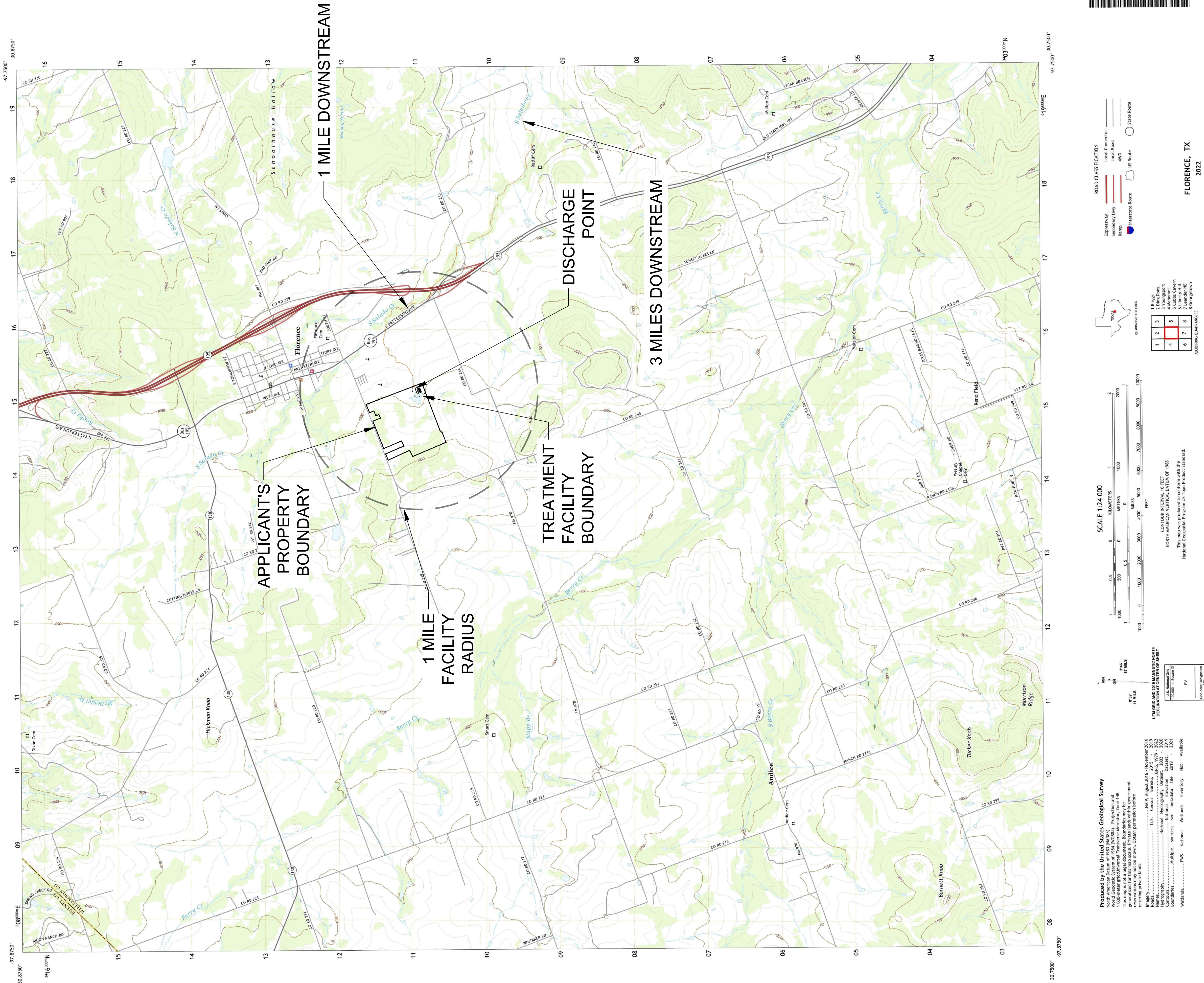
FLORENCE TRACT WWTP
WILLIAMSON COUNTY, TX

BUFFER ZONE MAP

1 OF 1

APPENDIX G

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF) & MAP



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: FLORENCE FM 970 VENTURES, LLC

Permit No. WQ00 _____

EPA ID No. TX _____

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

The facility is located 0.65 miles Southwest from the intersection of FM 970 and S Patterson Ave in Williamson County.

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): Mrs.

First and Last Name: Lauren Crone

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

Title: Sr. Project Manager

Mailing Address: 7500 Rialto Boulevard, Building II, Suite 100

City, State, Zip Code: Austin, TX 78735

Phone No.: (512) 439-4700 Ext.:

Fax No.:

E-mail Address: lcrone@lja.com

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

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.

. From the proposed treatment plant, the effluent will be discharged into an unnamed tributary of South Salado Creek, the travel 0.73 miles to South Salado Creek. From there, the effluent will flow approximately 7.0 miles along South Salado Creek, then discharge into Salado Creek, segment 1243.

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):

Approximately 168 acres to be impacted through subdivision construction improvements.
No planned sealing of caves, or other geological features.

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

No disturbances to land. Land use: Ranchland

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:

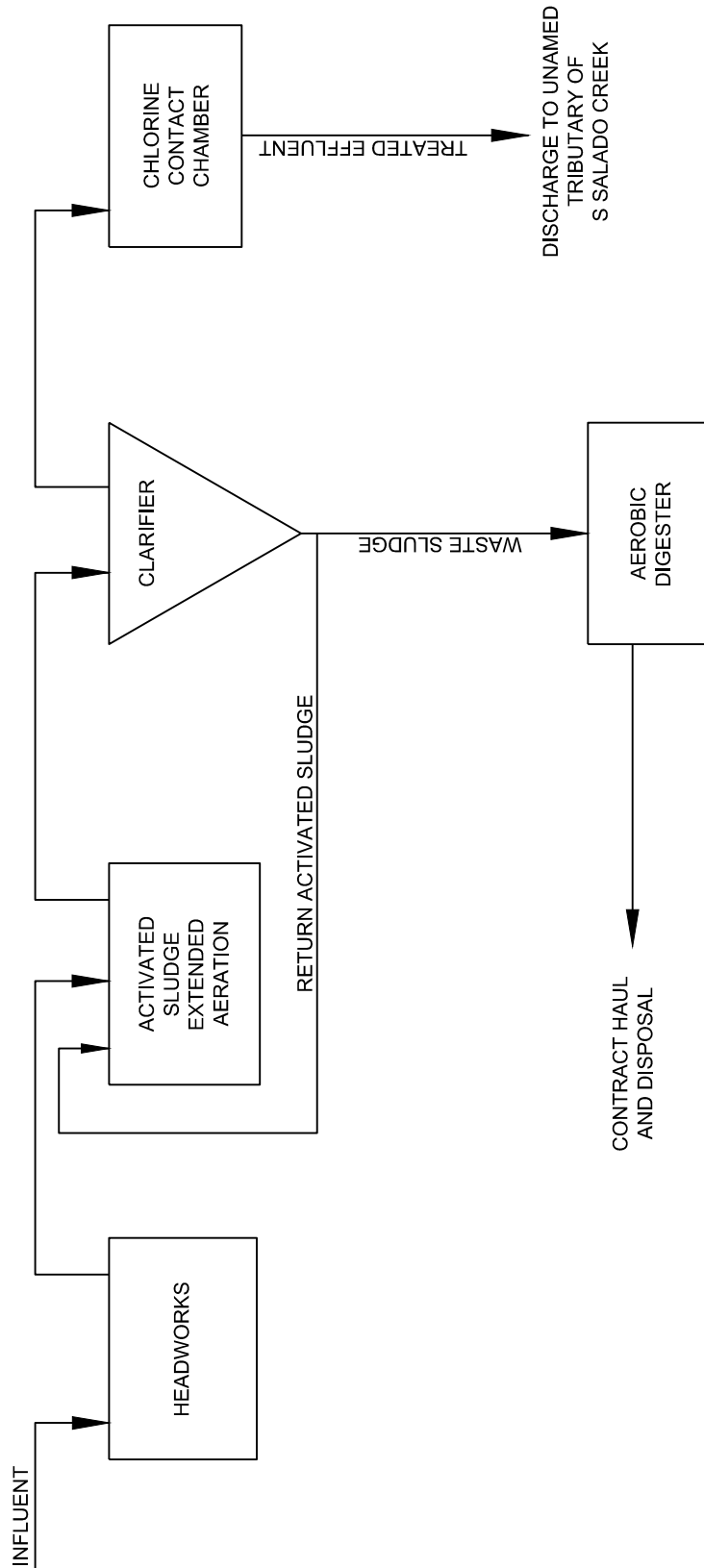
Not yet finalized.

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

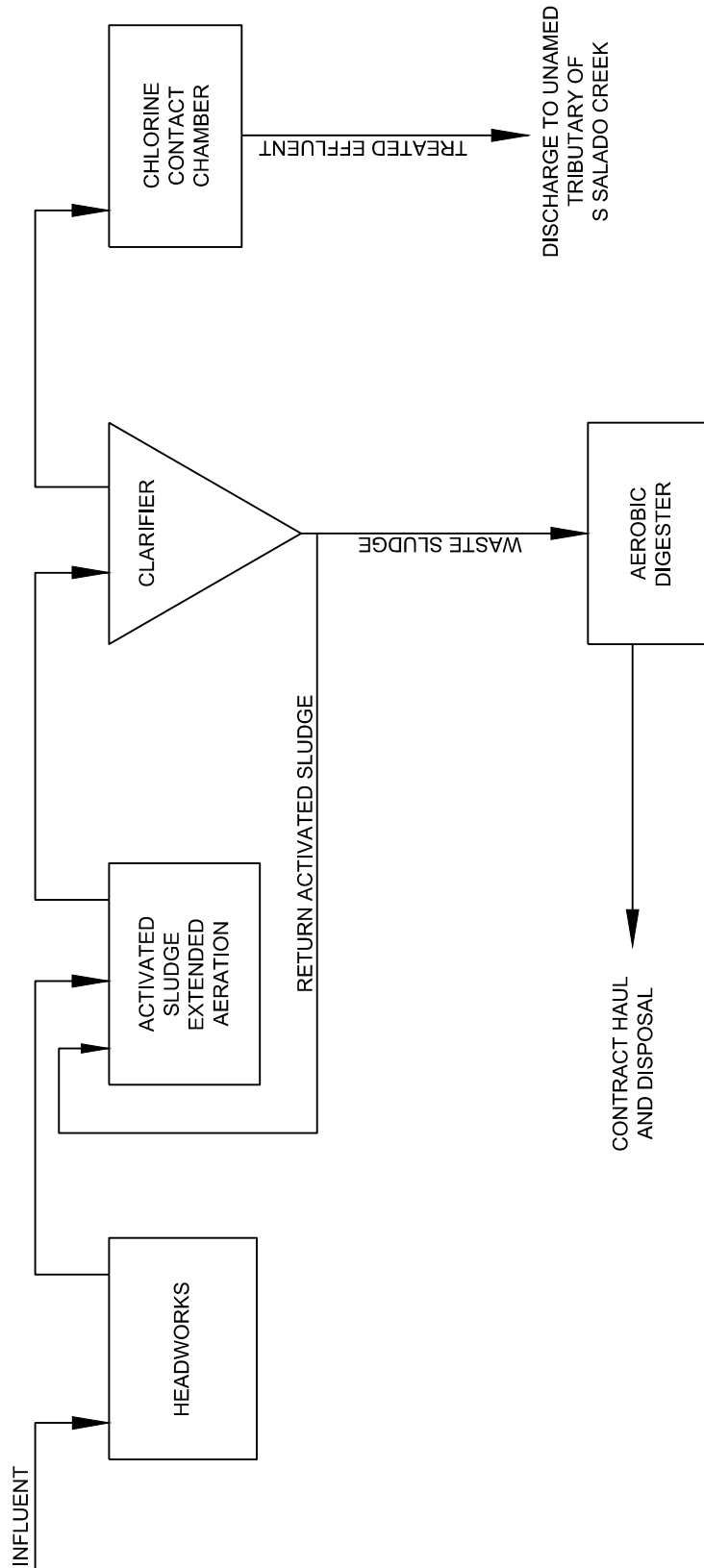
The property is mostly undeveloped and has been used as ranchland. No builder has been identified; however, the proposed single-family development will include one or more production builders

APPENDIX H

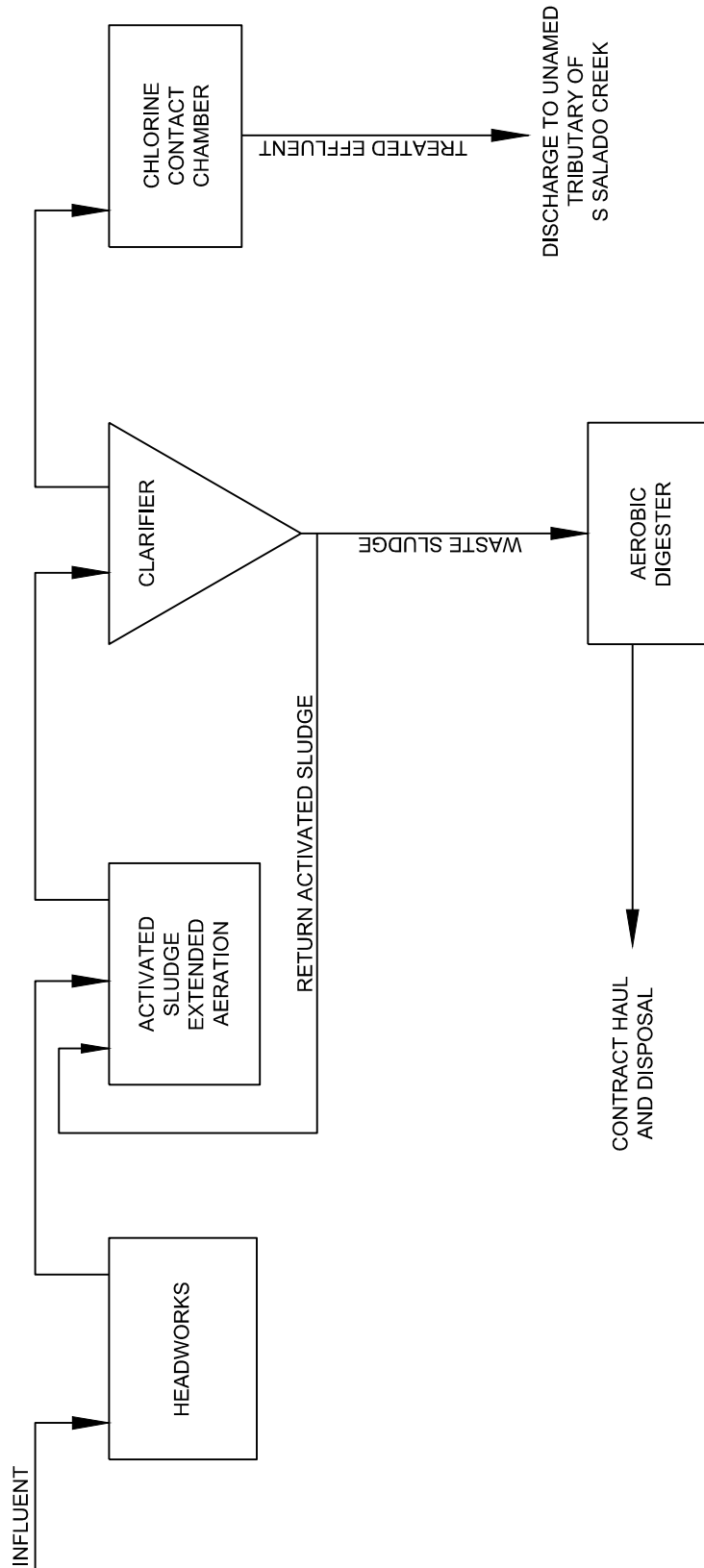
PROCESS FLOW DIAGRAM



FOR PLANNING PURPOSES ONLY



FOR PLANNING PURPOSES ONLY



FOR PLANNING PURPOSES ONLY

APPENDIX I
SITE DRAWING

500 250 0 500 1000
SCALE IN FEET



DISCHARGE
POINT

CLARIFIER

AERATION BASIN

AEROBIC DIGESTER

TREATMENT FACILITY
BOUNDARY WITH
150' BUFFER ZONE

APPLICANT'S
PROPERTY
BOUNDARY

CHLORINE CONTACT
CHAMBER

LJA Engineering, Inc.

7500 Rialto Boulevard
Building II, Suite 100
Austin, Texas 78735



Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

FLORENCE TRACT WWTP
WILLIAMSON COUNTY, TX

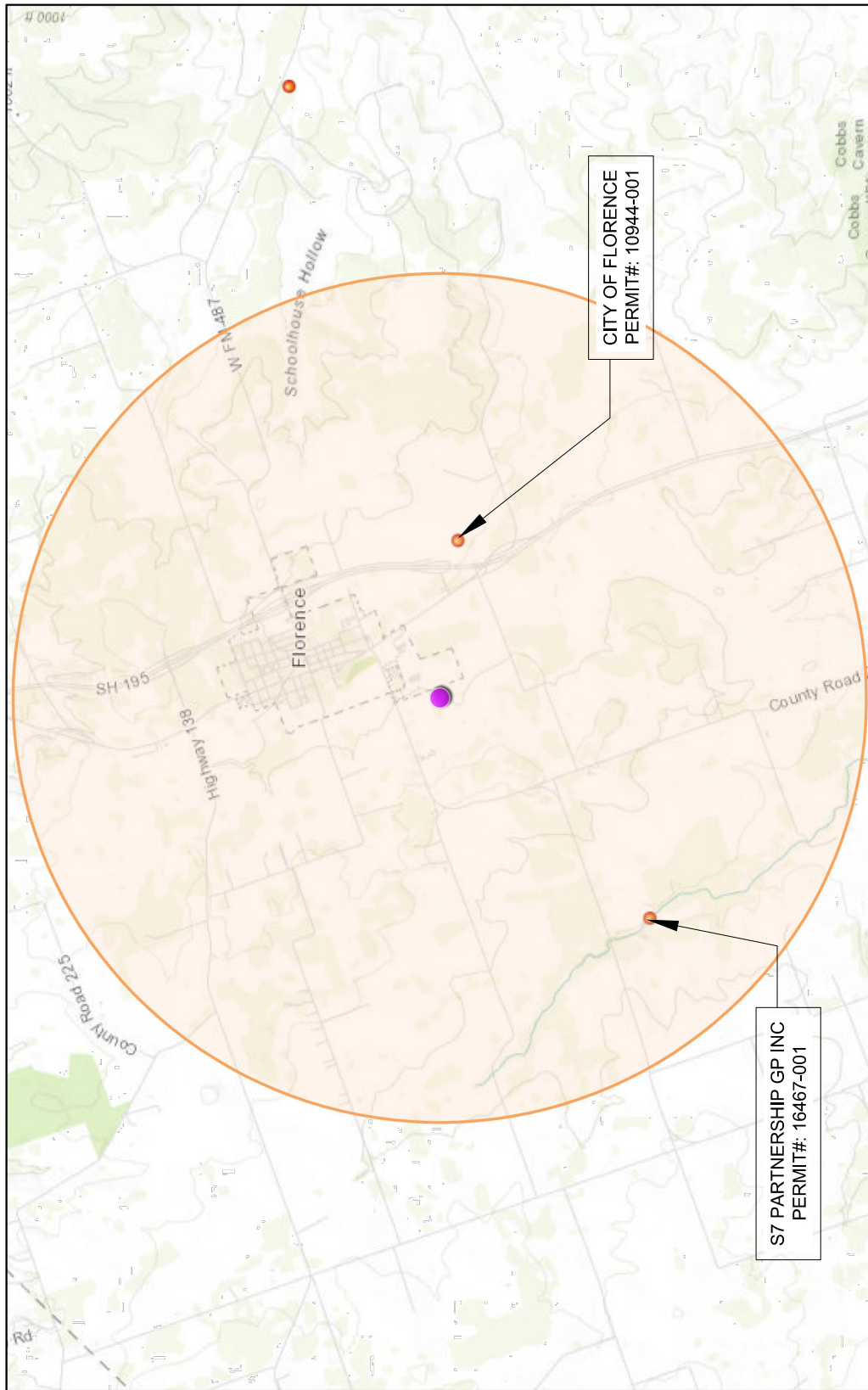
SITE MAP

1 OF 1

APPENDIX J

REGIONALIZATION & REQUEST FOR SERVICE LETTERS

Wastewater Outfalls in Texas (TCEQ) Custom Print



11/13/2024, 12:20:09 PM

Wastewater Outfalls

1:72,224

0 0.5 1 1.5 2 mi
0 0.75 1.5 3 km

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

County of Williamson, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA | TCEQ | Web AppBuilder for ArcGIS

LJA Engineering, Inc.

7500 Rialto Boulevard
Building II, Suite 100
Austin, Texas 78735



Phone 512.439.4700
Fax 512.439.4716
FRN - F-1386

FLORENCE TRACT WWTP
WILLIAMSON COUNTY, TX

NEARBY FACILITIES MAP



November 19, 2024

S7 PARTNERSHIP GP INC
205 MARAVILLA BLUFF LN
GEORGETOWN, TX 78628 -2681

We are working on a TPDES Permit application for a neighboring single family development. Your existing wastewater treatment permit WQ0016467001 is within a 3-mile radius of the development's proposed outfall. The proposed development is anticipated to have an average daily flow of 0.4 MGD.

Do you have capacity to potentially serve the development?

Yes _____

No _____

Signature

Date

Sincerely,

Lauren Crone, P.E.
Sr. Project Manager
LJA Engineering, Inc.
7500 Rialto Blvd, Bldg II, Suite 100
Austin, TX 78735
P: (512) 439-4700
D: (512) 439-4737
lcrone@lja.com

November 19, 2024



CITY OF FLORENCE WWTP
PO BOX 430
FLORENCE, TX 76527 -0430

We are working on a TPDES Permit application for a neighboring single family development. Your existing wastewater treatment permit 10944001 is within a 3-mile radius of the development's proposed outfall. The proposed development is anticipated to have an average daily flow of 0.4 MGD.

Do you have capacity to potentially serve the development?

Yes _____

No _____

Signature

Date

Sincerely,

Lauren Crone, P.E.
Sr. Project Manager
LJA Engineering, Inc.
7500 Rialto Blvd, Bldg II, Suite 100
Austin, TX 78735
P: (512) 439-4700
D: (512) 439-4737
lcrone@lja.com

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Certified Mail Receipt

OUTBOUND TRACKING NUMBER
9414 7118 9956 1444 4440 66

RETURN RECEIPT TRACKING NUMBER
9490 9118 9956 1444 4440 67

ARTICLE ADDRESS TO:

City of Florence WWTP
PO Box 430
Florence TX 76527-0430

FEES

Postage per piece	\$0.690
Certified Fee	\$4.850
Return Receipt Fee	\$4.100
Total Postage & Fees:	\$9.640

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OUTBOUND TRACKING NUMBER
9414 7118 9956 1444 4165 68

RETURN RECEIPT TRACKING NUMBER
9490 9118 9956 1444 4165 69

ARTICLE ADDRESS TO:

S7 Partnership GP Inc
205 Maravilla Bluff Ln
Georgetown TX 78628-2681

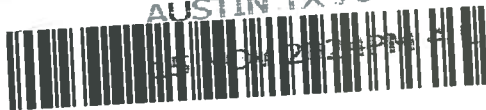
FEES

Postage per piece	\$0.690
Certified Fee	\$4.850
Return Receipt Fee	\$4.100
Total Postage & Fees:	\$9.640

Postmark
Here



USPS TRACKING #
AUSTIN TX 786



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UNITED STATES
POSTAL SERVICE

PS Form 3811 Facsimile, July 2015 (SDC 3930) (023)

LJA Engineering, EN A474-0408
7500 Rialto Blvd Ste 2-100
Austin TX 78735-8510

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AUSTIN TX 786



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PS Form 3811 Facsimile, July 2015 (SDC 3930) (023)

LJA Engineering, EN A474-0408
7500 Rialto Blvd Ste 2-100
Austin TX 78735-8510

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Ensure items 1, 2, and 3 are completed.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature: (<input type="checkbox"/> Addressee or <input type="checkbox"/> Agent)</p> <p>X <i>[Signature]</i> AUSTIN TX 786</p>	
<p>1. Article Addressed to:</p> <p>City of Florence WWTP PO Box 430 Florence TX 76527-0430</p>		<p>B. Received By: (Printed Name) Julie Kendall 11/15/24</p> <p>C. Date of Delivery</p>	
<p>2. Article Number (Transfer from service label)</p> <p>9414 7118 9956 1444 4440 56</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail®</p>		<p>Domestic Return Receipt</p>	

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SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<p>■ Ensure items 1, 2, and 3 are completed.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p>		<p>A. Signature: (<input type="checkbox"/> Addressee or <input type="checkbox"/> Agent)</p> <p>X <i>[Signature]</i> AUSTIN TX 786</p>	
<p>1. Article Addressed to:</p> <p>S7 Partnership GP Inc 205 Maravilla Bluff Ln Georgetown TX 78628-2681</p>		<p>B. Received By: (Printed Name) 11/15/2024 PM</p> <p>C. Date of Delivery</p>	
<p>2. Article Number (Transfer from service label)</p> <p>9414 7118 9956 1444 4165 58</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail®</p>		<p>Domestic Return Receipt</p>	

PS Form 3811 Facsimile, July 2015 (SDC 3930)

Lauren Crone

From: Walter Hoysa
Sent: Monday, December 9, 2024 12:17 PM
To: Lauren Crone
Subject: FW: Florence Meadows - WW Path Forward

T. Walter Hoysa, PE | Vice President
Central Texas Land Development
O: 512.439.4700 | C: 512.914.6762
2700 La Frontera, Suite 200, Round Rock, TX 78681
EMPLOYEE-OWNED. CLIENT FOCUSED.

www.lja.com



Top Workplaces USA | 2023

From: mdixon@florencetex.com <mdixon@florencetex.com>
Sent: Thursday, November 14, 2024 10:39 AM
To: Walter Hoysa <whoysa@lja.com>
Cc: mark@ashtongraydev.com; 'Ben Daniel' <mayor@florencetex.com>; 'Mary Condon' <mcondon@florencetex.com>; citysecretary@florencetex.com; Ryan Harper <rharper@abhr.com>; Daniel Ryan <dryan@lja.com>; cbarnard@florencetex.com; 'Hejl, Lee & Associates, Inc' <hlainc@austin.rr.com>; Lauren Crone <lcrone@lja.com>; rhamala@tiemannlaw.com
Subject: RE: Florence Meadows - WW Path Forward

[EXTERNAL EMAIL]

Walter,

Good morning. Council met in executive session on Tuesday and discussed these concerns. They have authorized our legal counsel, Richard Hamala, to work with your client's attorney on revising the consent agreement and strategic partnership agreement to allow you all to stay in the ETJ.

Please have them draft up a new revised agreement for review consenting to the out of City MUD and discharge permit. Let me know if you need any additional information.

Respectfully,

Mary D. Dixon
City Administrator
Building Services & Development
City of Florence
254.793.2490 – Option 4

APPENDIX K
DESIGN CALCULATIONS

FLORENCE - WWTP FLOW PHASES

Phase 1		Phase 2		Phase 3	
<u>Assumptions</u>		<u>Assumptions</u>		<u>Assumptions</u>	
Average Flow per LUE =	245 gpd	Average Flow per LUE =	245 gpd	Average Flow per LUE =	245 gpd
Average Density	3 LUEs/Ac	Average Density	3 LUEs/Ac	Average Density	3 LUEs/Ac
I/I for Wet Peak	750 gpd/Ac	I/I for Wet Peak	750 gpd/Ac	I/I for Wet Peak	750 gpd/Ac
LUEs	306	LUEs	612	LUEs	1,632
Average Daily Flow	74,970 gpd	Average Daily Flow	149,940 gpd	Average Daily Flow	399,840 gpd
	52 gpm	Average Daily Flow	104 gpm	Average Daily Flow	278 gpm
Dry Peaking Factor	3.78	Dry Peaking Factor	3.56	Dry Peaking Factor	3.19
Peak Dry Flow	197 gpm	Peak Dry Flow	371 gpm	Peak Dry Flow	886 gpm
Service Area	162 acres	Service Area	162 acres	Service Area	162 acres
I/I for Peak Wet	121,500 gpd	I/I for Peak Wet	121,500 gpd	I/I for Peak Wet	121,500 gpd
	84 gpm		84 gpm		84 gpm
Total Peak Wet Flow	281 gpm	Total Peak Wet Flow	455 gpm	Total Peak Wet Flow	970 gpm
Minimum Flow Factor	0.19	Minimum Flow Factor	0.22	Minimum Flow Factor	0.26
Minimum Flow	10 gpm	Minimum Flow	23 gpm	Minimum Flow	73 gpm

Extended Air Process Design (TCEQ Checklist)

INTERIM PHASE 1

Design Flow (from Summary Sheet)	0.075 mgd
Peak Flow (from Summary Sheet)	0.300 mgd
Design Organic Load	400 lb BOD / day

Clarifier Design

(Criteria)

Maximum Surface Loading @ Peak Flow	900 gpd/ft ²
Minimum Detention Time @ Peak Flow	2 hrs
Maximum Surface Loading @ Design Flow	450 gpd/ft ²
Minimum Detention Time @ Design Flow	4 hrs
Surface Area Required (Peak Flow)	333.3 ft ²
Surface Area Required (Design Flow)	166.6 ft ²
Volume Required (Peak Flow)	3,342 ft ³
Volume Required (Design Flow)	1,670 ft ³
Depth Required (Peak Flow)	10.0 ft
Depth Required (Design Flow)	10.0 ft
Maximum Return Sludge Underflow Rate	400.0 gpd/ft ²
Minimum Return Sludge Underflow Rate	200.0 gpd/ft ²

(Calculations)

Proposed Sidewater Depth	<input type="text" value="10"/> ft
Proposed Clarifier Diameter	<input type="text" value="22"/> ft
Clarifier Surface Area	<input type="text" value="380"/> ft ²
Clarifier Volume	<input type="text" value="3,801"/> ft ³
Maximum Return Sludge Underflow Rate	106 gpm
Minimum Return Sludge Underflow Rate	53 gpm
RAS Line Size (min 3 ft/sec velocity)	4 inches

*Note - Min SWD is
8 ft, 10 ft if area >
1250 ft²*

Aeration System Design

(Criteria)

Organic Loading 15 lb BOD/day/1000 ft³
Actual Design Load 400 lb BOD/day

Required Volume ft³

scf / lb BOD
(assumes 4.0%
transfer

Required Air Flow 3200 efficiency)

(Calculations)

Proposed Sidewater Depth ft

*Note - Min SWD is
8 ft*

Surface Area ft²

Air Flow scfm

Aerobic Digester Design

(Criteria)

Volume Required 20 ft³ / lb BOD
or 15 days SRT

Air Required 30 scfm/ 1000 ft³ volume

(Calculations)

Proposed Volume ft³

Proposed Sidewater Depth ft

Surface Area ft²

Required Air Flow scfm

Chlorine Contact Design

(Criteria)

Minimum Contact Time 20 minutes @ Peak Flow

(Calculations)

Proposed Volume ft³

Proposed Sidewater Depth ft

Surface Area ft²

Extended Air Process Design (TCEQ Checklist)

INTERIM PHASE 2

Design Flow (from Summary Sheet)	0.075 mgd
Peak Flow (from Summary Sheet)	0.300 mgd
Design Organic Load	400 lb BOD / day

Clarifier Design

(Criteria)

Maximum Surface Loading @ Peak Flow	900 gpd/ft ²
Minimum Detention Time @ Peak Flow	2 hrs
Maximum Surface Loading @ Design Flow	450 gpd/ft ²
Minimum Detention Time @ Design Flow	4 hrs
Surface Area Required (Peak Flow)	333.3 ft ²
Surface Area Required (Design Flow)	166.7 ft ²
Volume Required (Peak Flow)	3,342 ft ³
Volume Required (Design Flow)	1,671 ft ³
Depth Required (Peak Flow)	10.0 ft
Depth Required (Design Flow)	10.0 ft
Maximum Return Sludge Underflow Rate	400.0 gpd/ft ²
Minimum Return Sludge Underflow Rate	200.0 gpd/ft ²

(Calculations)

Proposed Sidewater Depth	<input type="text" value="10"/> ft
Proposed Clarifier Diameter	<input type="text" value="22"/> ft
Clarifier Surface Area	<input type="text" value="380"/> ft ²
Clarifier Volume	<input type="text" value="3,801"/> ft ³
Maximum Return Sludge Underflow Rate	106 gpm
Minimum Return Sludge Underflow Rate	53 gpm
RAS Line Size (min 3 ft/sec velocity)	4 inches

*Note - Min SWD is
8 ft, 10 ft if area >
1250 ft²*

Aeration System Design

(Criteria)

Organic Loading 15 lb BOD/day/1000 ft³
Actual Design Load 400 lb BOD/day

Required Volume ft³

scf / lb BOD
(assumes 4.0%
transfer

Required Air Flow 3200 efficiency)

(Calculations)

Proposed Sidewater Depth ft

Note - Min SWD is
8 ft

Surface Area ft²

Air Flow scfm

Aerobic Digester Design

(Criteria)

Volume Required 20 ft³ / lb BOD
or 15 days SRT

Air Required 30 scfm/ 1000 ft³ volume

(Calculations)

Proposed Volume ft³

Proposed Sidewater Depth ft

Surface Area ft²

Required Air Flow scfm

Chlorine Contact Design

(Criteria)

Minimum Contact Time 20 minutes @ Peak Flow

(Calculations)

Proposed Volume ft³

466

Proposed Sidewater Depth ft

Surface Area ft²

Extended Air Process Design (TCEQ Checklist)

FINAL PHASE

Design Flow (from Summary Sheet)	0.250 mgd
Peak Flow (from Summary Sheet)	1.000 mgd
Design Organic Load	400 lb BOD / day

Clarifier Design

(Criteria)

Maximum Surface Loading @ Peak Flow	900 gpd/ft ²
Minimum Detention Time @ Peak Flow	2 hrs
Maximum Surface Loading @ Design Flow	450 gpd/ft ²
Minimum Detention Time @ Design Flow	4 hrs
Surface Area Required (Peak Flow)	1111.1 ft ²
Surface Area Required (Design Flow)	555.56 ft ²
Volume Required (Peak Flow)	11,141 ft ³
Volume Required (Design Flow)	5,570 ft ³
Depth Required (Peak Flow)	10.0 ft
Depth Required (Design Flow)	10.0 ft
Maximum Return Sludge Underflow Rate	400.0 gpd/ft ²
Minimum Return Sludge Underflow Rate	200.0 gpd/ft ²

(Calculations)

Proposed Sidewater Depth	<input type="text" value="10"/> ft
Proposed Clarifier Diameter	<input type="text" value="38"/> ft
Clarifier Surface Area	<input type="text" value="1,134"/> ft ²
Clarifier Volume	<input type="text" value="11,341"/> ft ³
Maximum Return Sludge Underflow Rate	315 gpm
Minimum Return Sludge Underflow Rate	158 gpm
RAS Line Size (min 3 ft/sec velocity)	4 inches

Note - Min SWD is
8 ft, 10 ft if area >
1250 ft²

Aeration System Design

(Criteria)

Organic Loading	15 lb BOD/day/1000 ft ³
Actual Design Load	400 lb BOD/day
Required Volume	<input type="text" value="26667"/> ft ³
	scf / lb BOD (assumes 4.0% transfer efficiency)
Required Air Flow	3200

(Calculations)

Proposed Sidewater Depth ft

Surface Area ft²

Air Flow scfm

Note - Min SWD is 8 ft

Aerobic Digester Design
(Criteria)

Volume Required 20 ft³ / lb BOD
or 15 days SRT

Air Required 30 scfm/ 1000 ft³ volume

(Calculations)

Proposed Volume ft³

Proposed Sidewater Depth ft

Surface Area ft²

Required Air Flow scfm

Chlorine Contact Design
(Criteria)

Minimum Contact Time 20 minutes @ Peak Flow

(Calculations)

Proposed Volume ft³

Proposed Sidewater Depth ft

Surface Area ft²

APPENDIX L

FEMA MAP

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Texas State Plane central zone (FIPSZONE 4203). The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, NNGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov/>.

Base map information shown on this FIRM was provided in digital format by CAPCOG. This information was digitized at a scale of at least 1:2,400 from aerial photography dated 2002.

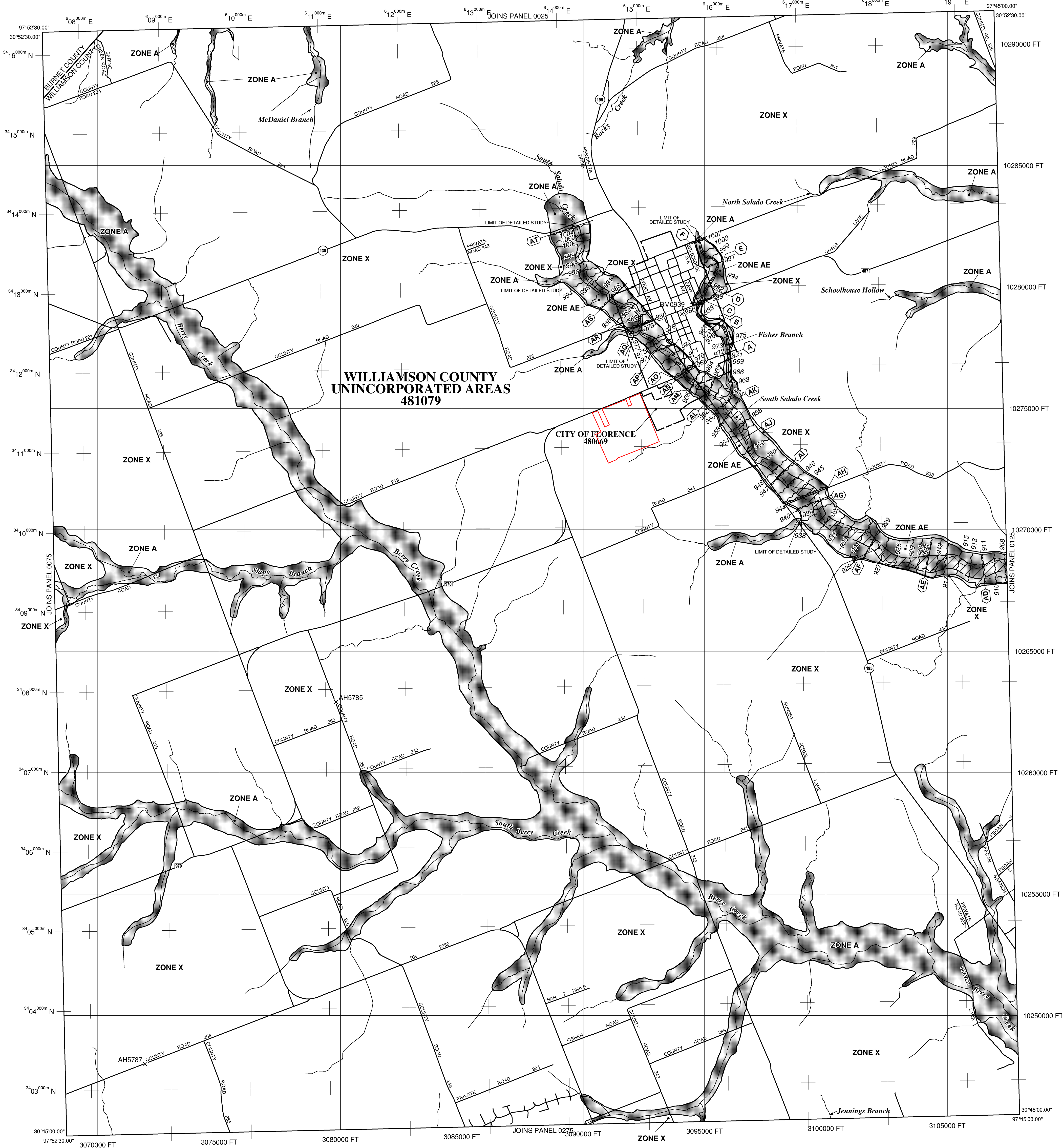
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the *Flood Insurance Study report* (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a *Flood Insurance Study report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://www.msc.fema.gov/>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP(1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/>.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AD, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Base Flood Elevation line and value; elevation in feet*

Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

Cross section line

Transect line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

1000-meter Universal Transverse Mercator grid, zone 14

5000-foot grid : Texas State Plane coordinate system, central zone (FIPSZONE 4203), Lambert Conformal Conic

Bench mark (see explanation in Notes to Users section of this FIRM panel)

River Mile

MAP REPOSITORIES

Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

September 27, 1991

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

November 2, 1995, January 3, 1997

September 26, 2008 - to update corporate limits, to update map format, to add roads and road names, to incorporate previously issued Letters of Map Revisions, to reflect updated topographic information.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 2000'

0 1000 2000 4000 FEET

600 0 600 1200 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0100E

FIRM
FLOOD INSURANCE RATE MAP
WILLIAMSON COUNTY,
TEXAS
AND INCORPORATED AREAS

PANEL 100 OF 750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
WILLIAMSON COUNTY	481079	0100	E
FLORENCE, CITY OF	480669	0100	E

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER

48491C0100E

MAP REVISED

SEPTEMBER 26, 2008

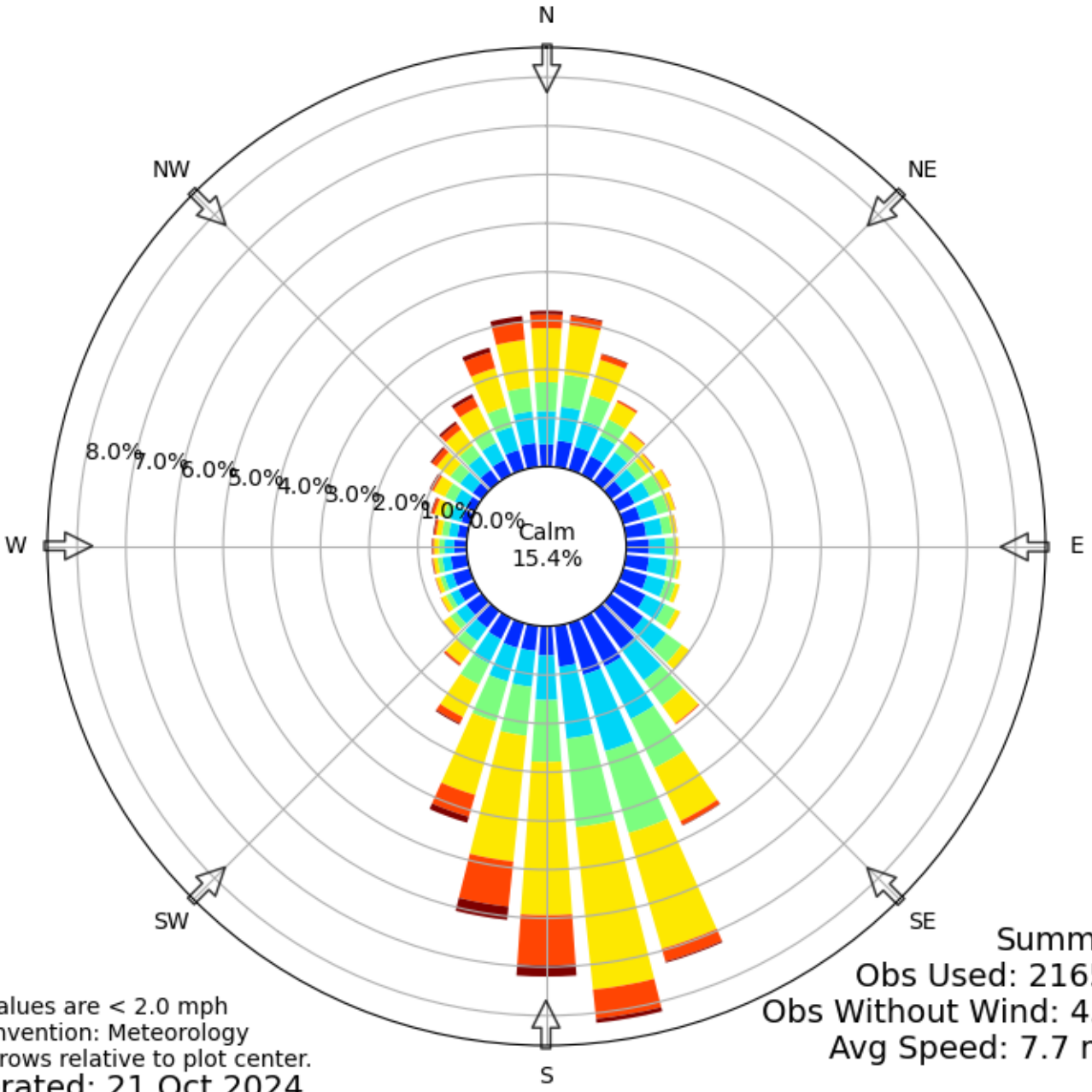
Federal Emergency Management Agency

APPENDIX M

WIND ROSE

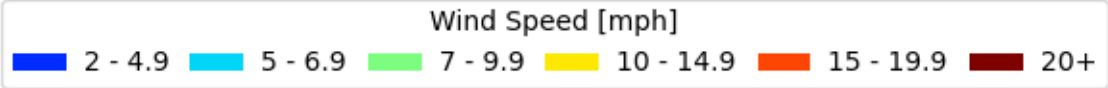


Windrose Plot for [GTU] GEORGETOWN (AWOS)
Obs Between: 09 Apr 1992 02:00 AM - 21 Oct 2024 02:56 AM America/Chicago



Calm values are < 2.0 mph
Bar Convention: Meteorology
Flow arrows relative to plot center.
Generated: 21 Oct 2024

Summary
Obs Used: 216502
Obs Without Wind: 4380
Avg Speed: 7.7 mph



APPENDIX N

SEWAGE SLUDGE SOLIDS MANAGEMENT PLAN

Florence WWTP

First Phase

Design Flow <i>gpd</i>	Vol Dig <i>ft³ (gal)</i>	Percentage	Flow <i>gpd</i>	P_x <i>lbs VSS/day</i>	P_{x (ss)} <i>lbs SS/day</i>	Q_{Sldg} <i>gpd</i>	HRT_{Sldg} <i>days</i>
75,000	8,000	25%	18,750	16	20	307	195
	59,840	50%	37,500	33	41	614	97
		75%	56,250	49	61	922	65
		100%	75,000	66	82	1,229	49

Interim Phase

Design Flow <i>gpd</i>	Vol Dig <i>ft³ (gal)</i>	Percentage	Flow <i>gpd</i>	P_x <i>lbs VSS/day</i>	P_{x (ss)} <i>lbs SS/day</i>	Q_{Sldg} <i>gpd</i>	HRT_{Sldg} <i>days</i>
150,000	16,000	25%	37,500	33	41	614	97
	119,680	50%	75,000	66	82	1,229	49
		75%	112,500	98	123	1,843	32
		100%	150,000	131	164	2,458	24

Final Phase

Design Flow <i>gpd</i>	Vol Dig <i>ft³ (gal)</i>	Percentage	Flow <i>gpd</i>	P_x <i>lbs VSS/day</i>	P_{x (ss)} <i>lbs SS/day</i>	Q_{Sldg} <i>gpd</i>	HRT_{Sldg} <i>days</i>
400,000	24,000	25%	100,000	87	109	1,639	37
	179,520	50%	200,000	175	219	3,277	18
		75%	300,000	262	328	4,916	12
		100%	400,000	350	437	6,554	9

Sludge will be wasted from the clarifier underflow to the digester. Sludge will stay in the digester with the decant returned to the headworks of the plant. Sludge will be removed from the digester on a schedule approximate to the HRT of the digester. The liquid sludge will be hauled by truck for further treatment.