



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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS

DOMESTIC WASTEWATER

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

Arcola Development LLC (CN606355477) proposes to operate in Arcola Development RN112149224, a Texas Pollutant Discharge Elimination System (TPDES), facility is located on 14500 Highway 6, Rosharon Fort Bend County, Texas 77583.

This application is to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 25,000 gallons per day.

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

AGUAS RESIDUALES DOMÉSTICAS

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 son representaciones federales exigibles de la solicitud de permiso.

Arcola Development, LLC (CN606355477) ha propuesto operar un Sistema de Eliminación de Descargas Contaminantes en Arcola Development (RN112149224). Ubicado en 14500 Highway 6, Rosharon, Ford Bend County, Texas 77583.

Esta aplicación es para obtener permiso para descarga de aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 25,000 galones por día.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED PERMIT NO. WQ0016732001

APPLICATION. Arcola Development, LLC, 12972 Dairy Ashford Road #150, Sugar Land, Texas 77478, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016732001 (EPA I.D. No. TX0147486) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 25,000 gallons per day. The domestic wastewater treatment facility will be located at 14500 Highway 6, Rosharon, in Fort Bend County, Texas 77583. The discharge route will be from the plant site via pipe to an unnamed ditch; thence to railroad ditch; thence to Brazoria County Drainage District No. 4 (BCCD4); thence to West Fork Chololate Bayou; thence to Chocolate Bayou Above Tidal. TCEQ received this application on February 14, 2025. The permit application will be available for viewing and copying at Brazoria County Clerk, Suite 200, 111 East Locust Street, Angleton, in Brazoria County, Texas and at Fort Bend County Libraries - Sierra Branch, in Fort Bend County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

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

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.449444,29.496111&level=18>

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at:

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

El aviso de idioma alternativo en español está disponible en

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

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

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit

application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Arcola Development, LLC at the address stated above or by calling Mr. Nick Patel, Owner, Arcola Development, LLC, at 281-630-3875.

Issuance Date: July 2, 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. WQ0016732001

SOLICITUD. Arcola Development, LLC 12972 Dairy Ashford Road #150, Sugar Land, Texas 77478, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016732001 (EPA I.D. No. TX0147486) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 25,000 galones por día. La planta estará ubicada en 14500 Highway 6, Rosharon, en Fort Bend County, Texas 77583. La ruta de descarga estará del sitio de la planta por tubería hasta una cuneta sin nombre; de allí hasta la cuneta del ferrocarril; de allí hasta el Distrito de Drenaje No. 4 del Condado de Brazoria (BCCD4); de allí hasta West Fork Chololate Bayou; de allí hasta Chocolate Bayou Above Tidal. La TCEQ recibió esta solicitud el día 14 de Febrero del 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Brazoria County Clerk, Suite 200, 111 East Locust Street, Angleton, in Brazoria County, Texas y en Fort Bend County Sienna Branch Library, 8411 Sienna Springs Boulevard, Missouri City, Texas. antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

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

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

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.449444,29.496111&level=18>

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar

la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la

solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

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

También se puede obtener información adicional del Arcola Development, LLC a la dirección indicada arriba o llamando a Sr. Nick Patel al 281-630-3875.

Fecha de emisión: 2 de julio de 2025

Erwin Madrid

From: Mariela Flores <smariela1104@gmail.com>
Sent: Tuesday, June 24, 2025 1:36 PM
To: Erwin Madrid
Cc: Nanubhai Patel; George Neill
Subject: Re: Notice of Deficiency Proposed Permit WQ0016732001
Attachments: ARCOLA DEV - Municipal TPDES and TLAP PLS Form (Spanish).docx; Arcola Dev Municipal TPDES and TLAP PLS Form English.docx; NORI SPANISH.docx

Erwin, good afternoon:

Please find the requested documentation attached. Kindly review it at your earliest convenience, and let me know if you have any questions or if any additional information is needed to complete the process.

Thank you for your attention to this matter.

Best regards,

----- Forwarded message -----

From: Niranjana Patel <nsp752@gmail.com>
Date: Sun, Jun 22, 2025 at 4:42 PM
Subject: Fwd: Notice of Deficiency Proposed Permit WQ0016732001
To: Mariela Flores <smariela1104@gmail.com>

----- Forwarded message -----

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Date: Fri, Jun 13, 2025 at 11:08 AM
Subject: Notice of Deficiency Proposed Permit WQ0016732001
To: George Neill <georgehneill@yahoo.com>
Cc: Nanubhai Patel <nsp752@gmail.com>

Mr. Neill,

I am working on declaring the application for Arcola Development administratively complete; however, I am still needing a few items in order to complete the application. Please see attached letter detailing what all is needed and I am also attaching the Plain Language Summaries and Spanish NORI template which must be completed. The other item I need is a public viewing location for Fort Bend County, since the facility borders Brazoria and Fort Bend counties.

Please do your best to work on getting these items to me as soon as possible, as this application has been in-house for many months.

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.

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Niranjan (Nick) Patel
Cell Phone: 281-630-3875

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Mariela Flores

OFFICE MANAGER

Richmond Community Estates LLC

Mobile: (832) 997 - 9206 | Office: (713) 714 - 6394

12920 Dairy Ashford Rd. Suite 150 Sugar Land, TX 77478



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

AGUAS RESIDUALES DOMÉSTICAS

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 son representaciones federales exigibles de la solicitud de permiso.

Arcola Development, LLC (CN606355477) ha propuesto operar un Sistema de Eliminación de Descargas Contaminantes en Arcola Development (RN112149224). Ubicado en 14500 Highway 6, Rosharon, Ford Bend County, Texas 77583.

Esta aplicación es para obtener permiso para descarga de aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 25,000 galones por día.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS

DOMESTIC WASTEWATER

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

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This application is to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 25,000 gallons per day.

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. WQ0016732001

SOLICITUD. Arcola Development, LLC 7039 Greatwood Trails Ct Sugar Land, TX 77479 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016732001 (EPA I.D. No. TX0147486) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 25,000 galones por día. La planta estará ubicada en 14500 Highway 6 Fort Bend County, Texas 77583. La ruta de descarga estará del sitio de la planta por tubería hasta una cuneta sin nombre; de allí hasta la cuneta del ferrocarril; de allí hasta el Distrito de Drenaje No. 4 del Condado de Brazoria (BCCD4); de allí hasta West Fork Chololate Bayou; de allí hasta Chocolate Bayou Above Tidal. La TCEQ recibió esta solicitud el día 14 de Febrero del 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Brazoria County Clerk, Suite 200, 111 East Locust Street, Angleton, in Brazoria County, Texas y en Fort Bend County Sienna Branch Library, 8411 Sienna Springs Boulevard, Missouri City, Texas. antes de la fecha de publicación de este aviso en el periódico.

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<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.449444,29.496111&level=18>

El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado

a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

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

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

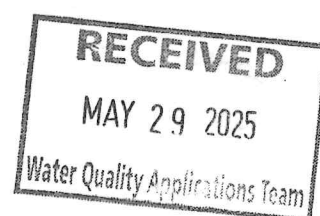
INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

También se puede obtener información adicional del Arcola Development, LLC a la dirección indicada arriba o llamando a Mr. Nick Patel al 281-630-3875.

Fecha de emisión: 24 de Junio del 2025.

**ARCOLA DEVELOPMENT, LLC.
AFFECTED LANDOWNERS
EXHIBIT 16.**





5.

EXHIBIT 5

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
☒ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
☐ Renewal (Core Data Form should be submitted with the renewal form)	☐ Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry ⁹⁰	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)		08/16/2023
☒ New Customer		☒ Update to Customer Information		☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).				
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)			If new Customer, enter previous Customer below:	
Arcola Development, LLC.			N/A	
7. TX SOS/CPA Filing Number 809240298	8. TX State Tax ID (11 digits) 32081124458	9. Federal Tax ID (9 digits) 87-2886158	10. DUNS Number (if applicable) N/A	
11. Type of Customer:		Partnership: General ☒ Limited		
☐ Corporation		☐ Individual		
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship		
12. Number of Employees		13. Independently Owned and Operated?		
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher		☒ Yes ☐ No		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
☒ Owner ☐ Operator ☐ Owner & Operator ☐ Other:				
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant				
15. Mailing Address:		Mr. Nick Patel 12972 DAIRY ASHFORD RD NO 150 SUGARLAND, TEXAS 77478		
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)		
N/A		nsp752@gmail.com		
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)
☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Arcola Development, LLC.

23. Street Address of the Regulated Entity
(No P.O. Boxes)

IN FORT BEND COUNTY, FROM INTERSECTION OF FM 521 AND HWY 6; ALONG HIGHWAY 6..1 MILE TO ARCOLA DEVELOPMENT ON THE SO SIDE OF HWY 6 @ the Brazoria Co line

City	ARCOLA	State	TX	ZIP	77024	ZIP + 4	
24. County	Fort Bend				77583		

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

25. Description of Physical Location:

TxDOT address on the Hwy 6 1 / 2 mi SE of Arcola

26. Nearest City

Arcola

State

TX

Nearest ZIP Code

77583

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

27. Latitude (N) In Decimal:

29.4960

28. Longitude (W) In Decimal:

95.4494

Degrees

29

Minutes

29

Seconds

45.96 W

Degrees

95

Minutes

27

Seconds

0.36 W

29. Primary SIC Code

(4 digits)

6552

30. Secondary SIC Code

(4 digits)

N/A

31. Primary NAICS Code

(5 or 6 digits)

237210

32. Secondary NAICS Code

(5 or 6 digits)

N/A

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

Mobile Home Park

34. Mailing Address:

ARCOLA DEVELOPMENT, LLC

12972 DAIRY ASHFORD RD # 150

SUGARLAND, TEXAS 77478

ZIP + 4

35. E-Mail Address:

as2722@signal.com

36. Telephone Number:

37. Extension or Code

N/A

38. Fax Number (if applicable)

(281) 680-8875

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.

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

SECTION IV: Preparer Information

40. Name:	Niranjan S Patel			41. Title:	Member
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(281) 690-3875	N/A	(N/A)	niranjan@arcola.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 29.

Company:	Arcola Development, LLC.		Job Title:	Member
Name (in Print):	Niranjan S Patel		Phone:	(281) 690-3875
Signature:			Date:	8/15/2025

NOTE:

1. THE TXDOT DITCH IS A DETENTION FACILITY THAT SERVES HIGHWAY 6. TO THE BEST OF OUR KNOWLEDGE, IT DOES NOT CONTAIN WASTEWATER TREATMENT PLANT EFFLUENT.

2. The FUTURE RV PAD SITES AND THE FUTURE COMMERCIAL BUILDINGS ARE TO BE SERVED BY THE PROPOSED PRIVATE WASTEWATER TREATMENT FACILITY. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OSSF PROPOSED OR EXISTING ON THIS SITE.



DISCHARGE LOCATION
29d 29m 45.96s N,
95d 27m 0.36s W



Stanford Engineering

4506 PRIMROSE VALLEY LANE
FULSHEAR, TEXAS 77441
TBPES FIRM NO. 23646
MAY 21, 2025

ARCOLA DEVELOPMENT, LLC.

DISCHARGE ROUTE

EXHIBIT 18

STATE

1
Scott Henry & Eura
1406 Smith ST
Rosharon, TX 77583-3648

4
Lopez, Gloria Marina Chochom
1118 Loop Dr
Rosharon, TX 77583-2577

8
Gary Arita
C/O Cenatiempo & Ditta LLP
770 S. Post Oak Ln. Ste 500
Houston, TX 77056-1974

16
Aguilar, Fredi
1306 Loop DR
Rosharon, TX 77583-2289

19
Latin Construction
1306 Loop DR
Rosharon, TX 77583-2289

23
Cortina, Raul
1334 Loop DR
Rosharon, TX 77583-2289

26
Perez, Cesar & Maria L
1402 Loop DR
Rosharon, TX 77583-2269

29
Facundo, Jose & Valentin Juana
12910 Pinesage DR
Houston, TX 77045-3805

32
Ocana, Gustavo
8034 Meadowshire
Houston, TX 77037-3811

Nava, Mario & Irlanda Ponce
Garcia
1206 Loop DR
Rosharon, TX 77583-2553

2
Diaz-Rubalcaba Mario Alberto &
Dora Martinez Limas
1106 Loop Dr
Rosharon, TX 77583-2577

5, 7
Segura Francisco Guerra &
Maria Guerra-Abundis
3814 Eddie Street
Houston, TX 77026-6555

9
Alvarez, Mario &
Irlanda Ponce Garcia
1206 Loop DR
Rosharon, Tx 77583-2553

17
Aguilar, Fredi
1306 Loop DR
Rosharon, TX 77583-2289

20
Latin Construction
1306 Loop DR
Rosharon, TX 77583-2289

24
Castillo, Raul
12111 Bogeyway
Pearland, TX 77581

27
Tapia, Vicente &
Maria De la Luz Gaytan-Guerrero
1414 Loop DR
Rosharon, TX 77583-2269

30
Facundo, Jose & Valentin Juana
12910 Pinesage DR
Houston, TX 7704-3805

33
Alvarez, Mario & Irlanda Ponce
Garcia
1206 Loop DR
Rosharon, TX 77583-2553

34
Avalos, Saul Orozco &
Maria Lorena Alvarez Garcia
1428 Smith Street
Rosharon, TX 77583-3648

3
Hernandez, Leonardo Rojo
1118 Loop Dr
Rosharon, TX 77583-2577

6
Guerra, Francisco Segura
3814 Eddie Street
Houston, TX 77026-6555

12, 13
14, 15
Aguilar, Fredi
1306 Loop DR
Rosharon, TX 77583-2289

18
Aguilar, Fredi
1306 Loop DR
Rosharon, TX 77583-2289

22
Latin Construction
1306 Loop DR
Rosharon, TX 77583-2289

25
Perez, Cesar & Maria L
1402 Loop DR
Rosharon, TX 77583-2269

28
Ramos, Kenda Lilibeth
1418 Loop DR
Rosharon, TX 77583-2269

31
Facundo, Jose & Valentin Juana
12910 Pinesage DR
Houston, TX 77045-3805

34
Nava, Mario & Irlanda Ponce
Garcia
1206 Loop DR
Rosharon, TX 77583-2553

34
Brazoria Drainage District #4
4805 Broadway Street
Pearland, TX 77581-3934

21810 - dedicated street

35

Ramirez, Gerardo & Rosalia Yolanda
PO Box 1483
Manvel, TX 77578-1483

38

Espinoza, Saul Reyes &
Ana Magdalena
1602 Loop DR
Rosharon, Texas 77583-2395

41

Khan Arif Ruman &
Sorwar Mumena
5319 Rebel Ridge DR
Sugar Land, TX 77478-5474

44

Garcia-Garcia Rafeala &
Javier Ponce GARCia
1206 Loop DR
Rosharon, TX 77583

46

Nino Ciro Garcia &
Maricela Ponce Garcia
1638 Loop DR
Rosharon, TX 77583-2395

50

Mendoza, Anastacio Felipe &
Maria Elena
4702 Vine LN
Fresno, TX 77545-8035

53

Artiga, Enrique & Maria Quintanilla
1718 Loop DR
Rosharon, TX 77583-2470

56

Mendoza, Anastacio Felipe &
Maria Elena
4702 Vine LN
Fresno, TX 77545-8035

59

Garcia, Erika P.
1742 Loop DR
Rosharon, TX 77583-2470

62

Delgado-Canulana, Luisa
3622 Matilde CT
Pearland, TX 77584-9482

36

Cisneros, Josue B. &
Juanita Del Rocio Medina
1510 Loop DR
Rosharon, TX 77583-2395

39

Espinoza, Saul Reyes &
Ana Magdalena
1602 Loop DR
Rosharon, Texas 77583-2395

42

Ramirez, Miguel &
Silvia Olvera Jaime
1618 Loop DR
Rosharon, TX 77583

45

Garcia-Garcia Rafeala &
Javier Ponce GARCia
1206 Loop DR
Rosharon, TX 77583

49

Mejorado, Andrea
1723 1/2 Packer LN
Stafford, TX 77477-6721

51

Rodriguez, Mario
1610 Loop DR
Rasharon, TX 77583-2470

54

Artiga, Enrique & Maria Quintanilla
1718 Loop DR
Rosharon, TX 77583-2470

57

Mendoza, Anastacio Felipe &
Maria Elena
4702 Vine LN
Fresno, TX 77545-8035

60

Garcia, Erika P.
1742 Loop DR
Rosharon, TX 77583-2470

63

Burrage, Eric
2057 Oceanview DR
Seabrook, TX 77586-3304

37

Reyes, Saul
1602 Loop DR
Rosharon, TX 77583-2395

40

Rodriguez, Mario
1610 Loop DR
Rosharon, TX 77583-2395

43

Garcia-Garcia Rafeala &
Javier Ponce GARCia
1206 Loop DR
Rosharon, TX 77583

47

Garcia-Garcia Rafeala &
Javier Ponce GARCia
1206 Loop DR
Rosharon, TX 77583

48

Mejorado, Andrea
1723 1/2 Packer LN
Stafford, TX 77477-6721

52

Lucio, Luis G & Brenda E Garcia
5918 Linda DR
Rosharon, TX 77583-2258

55

Artiga, Enrique & Maria Quintanilla
1718 Loop DR
Rosharon, TX 77583-2470

58

Rios, Vianey Chavez
542 Walnut Ave
Fresno, TX 77545-7886

61

Herrera, Marcelino Antonio
1746 Loop DR
Rosharon, TX 77583-2470

NEW

J G & E OMELAS
6114 HOGAN
ROSHARON, TEXAS 77583

1

EO & NK GUEVERA
6110 HOGAN
ROSHARON, TEXAS 77583

64

H C & G S ORTEGA
6106 HOGAN
ROSHARON, TEXAS 77583

65

L

A & M TONOCO
1103 KATHY
ROSHARON, TEXAS 77583

66

TRISTAN BEMITA
1103 KATHY
ROSHARON, TEXAS 77583

67 & 68

LOUIS GONZALEZ
1111 KATHY
ROSHARON, TEXAS 77583

69 & 70

H & A RUIZ
1119 KATHY
ROSHARON, TEXAS 77583

71

R & M COPEAN
1123 KATHY
ROSHARON, TEXAS 77583

72

NEW

J G & E OMELAS
6114 HOGAN
ROSHARON, TEXAS 77583

1

EO & NK GUEVERA
6110 HOGAN
ROSHARON, TEXAS 77583

64

H C & G S ORTEGA
6106 HOGAN
ROSHARON, TEXAS 77583

65

L

A & M TONOCO
1103 KATHY
ROSHARON, TEXAS 77583

66

TRISTAN BEMITA
1103 KATHY
ROSHARON, TEXAS 77583

67 & 68

LOUIS GONZALEZ
1111 KATHY
ROSHARON, TEXAS 77583

69 & 70

H & A RUIZ
1119 KATHY
ROSHARON, TEXAS 77583

71

R & M COPEAN
1123 KATHY
ROSHARON, TEXAS 77583

72

R AND M COMPEAN
1123 KATHY
ROSHARON, TEXAS 77583

73

G MOSCOT
1207 KATHY
ROSHARON, TEXAS 77583

74

D & D VALUSEK
COUNTY ROAD 65
ROSHARON, TEXAS 75783

75

L. RODRIQUEZ
6014 MARTHA
ROSHARON, TEXAS 77583

76

CFJ AGUILAR
600 MARTHA
ROSHARON, TEXAS 77583

77
78

T ALEJANDRINA
MARTHA ROAD
ROSHARON, TEXAS 75783

79

Q NALLEY
5920 MARTHA
ROSHARON, TEXAS 77583

80

A & M CORONADO
5910 MARTHA
ROSHARON, TEXAS 77583

81,
82,
83,

STATE OF TEXAS
HWY 6
ROSHARON, TEXAS 77583

84

R AND M COMPEAN
1123 KATHY
ROSHARON, TEXAS 77583

73

G MOSCOT
1207 KATHY
ROSHARON, TEXAS 77583

74

D & D VALUSEK
COUNTY ROAD 65
ROSHARON, TEXAS 75783

75

L. RODRIQUEZ
6014 MARTHA
ROSHARON, TEXAS 77583

76

CFJ AGUILAR
600 MARTHA
ROSHARON, TEXAS 77583

77
78

T ALEJANDRINA
MARTHA ROAD
ROSHARON, TEXAS 75783

79

Q NALLEY
5920 MARTHA
ROSHARON, TEXAS 77583

80

A & M CORONADO
5910 MARTHA
ROSHARON, TEXAS 77583

81,
82,
83,

STATE OF TEXAS
HWY 6
ROSHARON, TEXAS 77583

84

N

N



BNSF
1909 C R 129
PEARLAND, TX 77521

BNSF
1909 C R 129
PEARLAND, TEXAS 77521

BNSF
1909 COUNTY ROADN 129
PEARLAND, TEXAS 77521

N

N

BNSF
1909 C R 129
PEARLAND, TX 77521

BNSF
1909 C R 129
PEARLAND, TEXAS 77521

BNSF
1909 COUNTY ROADN 129
PEARLAND, TEXAS 77521

May 13, 2025

To: Erwin Madrid @
teg.texas.gov

From:

George Neill

Re: Aroba Development

Orla

JUSTIN, TEXAS 78711-3087

July, 1885

OVER COPY ***

ISSUE
A0000000043010
0000006001
2000000000000000353500FF
USD \$17.50



FULCRUM

CONSULTING SERVICES

PLANNERS * ENGINEERS

September 7, 2023

Mr. George H. Neill, P.E.
PO Box 811
Athens, Texas 75751

RE: TCEQ Application

Mr. Neill:

Enclosed please find a copy of the TCEQ Discharge Permit Application submitted to TCEQ on September 1, 2023. If you have any questions or concerns, please do not hesitate to contact me.

Best Regards,


George E. Lazaro, P.E.

Nov 19, 2024
This is a resubmittal
lin



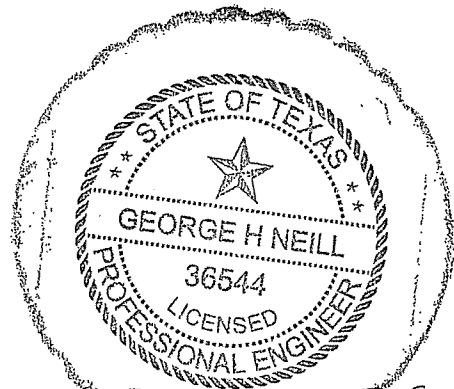
George H Neill & Associates, Inc.

PO BOX 811
ATHENS, TEXAS 75751
PH: (713) 499-4811

Texas Firm No. 2566

PROJECT SUMMARY

Arcola Development, LLC. is submitting this application for a new TPDES Permit to service Arcola Development, Inc. The project involves the design and construction of a 25,000 gpd extended aeration wastewater treatment plant.



George H Neill
Aug 23, 2022

Xerox Primelink™ C9065

Job History Report

Date & Time : 12/02/2024 8:15 AM
Page : 1 (Last Page)

Date	Time	Input Source	Output Destination	Job Information	Page Information	Pages	Sheets	Job Status
12/02/2024	8:13:36 AM	Scanner	SMTTP:wqdecopy@iceq.texas.gov	PDF:JBIG2	Black & White	2		Completed

7022 0410 0001 1488 6860

U.S. Postal Service™
CERTIFIED MAIL® RE
 Domestic Mail Only

For delivery information, visit our website
OFFICIAL

Certified Mail Fee \$4.35

Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$2.80

☐ Return Receipt (electronic) \$0.00

☐ Certified Mail Restricted Delivery \$10.00

☐ Adult Signature Required \$3.00

☐ Adult Signature Restricted Delivery \$10.00

Postage \$4.01

Total Postage and Fees \$12.96

Sent to *Mr. Erwin*

Street and Apt. No., or PO Box No. *1488*

City, State, ZIP+4® *Albany, NY 12204*

PS Form 3800, April 2015 PSN 7530-02-000-9047

Return Receipt # *70220410000114886860*

Grand Total:

Credit Card Remit

Card Name: MasterCard

Account #: XXXXXXXXXX5075

Approval #: 005195

Transaction #: 776

AID: A0000000041010

AL: Mastercard

PTN: Not Required

Chip

SENDER: COMPLETE THIS SECTION

- ☒ Complete items 1, 2, and 3.
- ☒ Print your name and address on the reverse so that we can return the card to you.
- ☒ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

*Mr. Erwin Macind
 WW Permitting REC148
 Water Quality Div
 ALBANY
 PO 13081 ALBANY, NY*



9590 9402 7877 2234 5026 89

2. Article Number (Transfer from service label)

7022 0410 0001 1488 6860

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

DEC 02 2024

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Mail Restricted Delivery

- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

See

36 + 7 + 36

V
V
T
F
A

N
FI
RI

PL
PL

TH

WQDECOPY @ TCEQ.Texas.gov

~~Sarabadmin @ sarabst~~

INTACT NEARBY WW
9 of 24
coordinates
filled - 100

See Dec 3, 2024

**ARCOLA DEVELOPMENT, LLC.
COPY OF CHECK
EXHIBIT 1.**

GEORGE H NEILL AND ASSOC.,INC

PO BOX 811 281 450 7647

ATHENS, TEXAS 75751 FIRM 2566

JAN 30, 2025

TO TECEQ ATTN MR ERWIN MADRID

WATER QUEALITY DIVN MC 148

PO BOX 13087

AUSTIN, TEXAS 78711 -3087

RE- REAPP FOR ARCOLA DEVELOPMENT

WQ

SEVERAL MONTH'S AGO, I SENT IN A WRITTEN DESCRIPTION FOR CDF COMPLETION.
WE DID NOT HAVE AN ADDRESS..

WE NOW HAVE BEEN ASSIGNED THE FOLLOWING

14,500 TX HWY 6

ROSHARON, TEXAS 77583

THANK YOU.. PLEASE PLACE THIS WITH OTHER RELATED DOCUMENTS

GEORGE H NEILL,POE



The UPS Store

Copy

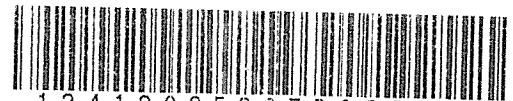
The UPS Store #5807
135 Country Center Dr Ste F
Pagosa Springs, CO 81147-8958
970-731-8771

Terminal....: POS58078 Date.: 12/2/202
Employee....: 299779 Time.: 08:15 AM
Cashier's Name Erin

ITEM NAME	QTY	PRICE	TOTAL
Email			\$3.03
	1 @	\$3.03	
Tax			\$0.00
Subtotal			\$3.03
Shipping/Other Charges			\$0.00
Total tax			\$0.00
Total			\$3.03
Cards			\$3.03

Items Designated NR are NOT eligible
for Returns, Refunds or Exchanges.

US Postal Rates Are Subject to Surcharge.



1 2 4 1 2 0 2 5 8 0 7 B 0 2 8 7 0 4

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<https://www.theupsstore.com/privacy-policy>

Win a \$250 gift card

Tell us how we're doing for your chance to win
a \$250 Amazon.com® Gift Card. Scan the
QR code or go to the link to take the survey.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
DOMESTIC WASTEWATER PERMIT APPLICATION
CHECKLIST

Complete and submit this checklist with the application.

APPLICANT: Arcola Development, LLC.

PERMIT NUMBER: New

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

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

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

APPLICATION FOR A DOMESTIC WASTEWATER PERMIT

ADMINISTRATIVE REPORT 1.0

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 29)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 ☒	\$315.00 ☐
≥0.05 but <0.10 MGD	\$550.00 ☐	\$515.00 ☐
≥0.10 but <0.25 MGD	\$850.00 ☐	\$815.00 ☐
≥0.25 but <0.50 MGD	\$1,250.00 ☐	\$1,215.00 ☐
≥0.50 but <1.0 MGD	\$1,650.00 ☐	\$1,615.00 ☐
≥1.0 MGD	\$2,050.00 ☐	\$2,015.00 ☐

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: _____
Check/Money Order Amount: _____
Name Printed on Check: _____

EPAY Voucher Number: _____

Copy of Payment Voucher enclosed? Yes ☒ See Exhibit XVI

Section 2. Type of Application (Instructions Page 29)

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

For amendments or modifications, describe the proposed changes: _____

For existing permits:

Permit Number: WQ00. _____

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

Expiration Date: _____

Section 3. Facility Owner (Applicant) and Co-Applclicant Information (Instructions Page 29)

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

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

Arcola Development, 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: NOT YET ASSIGNED

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., Ms., Miss): Mr.

First and Last Name: Nick. Patel

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

Title: Owner

B. Co-applclicant 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-applclicant applying for this permit?

N/A

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

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

CN: N/A

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

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

First and Last Name: N/A

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

Title: N/A

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the

customer type selected on the Core Data Form is **Individual**, complete Attachment 1 of Administrative Report 1.0.

Attachment: See Exhibit I

Section 4. Application Contact Information (Instructions Page 30)

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

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

First and Last Name: Nick. Patel

Credential ARCOLA DEVELOPMENT LLC

Title: Own
Organizati NICK PATEL, OWNER

Mailing Ac 12972 DAIRY ASHFORD RD #150

City, State SUGARLAND, TEXAS 77478 281 630 3875

Phone No.

E-mail Address: nsp752@gmail.com

Check one or both: ☒ Administrative Contact ☐ Technical Contact

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

First and Last Name: George Neill

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

Title: Engineer

Organization Name: George H. Neill & Associates, Inc.

Mailing Address: PO Box 811

City, State, Zip Code: Athens, Texas 75751-0761

Phone No.: 713 499-4811 Ext.: N/A Fax No.: N/A

E-mail Address: georgehneil@yahoo.com

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 30)

Provide two names of individuals that can be contacted throughout the permit term.

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

First and Last Name: Nick Patel

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

Title: Owner

Organization Name: ARCOLA DEVELOPMENT LLC
Mailing Address: NICK PATEL, OWNER
City, State, Zip Code: 12972 DAIRY ASHFORD RD #150
Phone No.: 281-
E-mail Address: SUGARLAND, TEXAS 77478 281 630 3875

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

First and Last Name: N/A

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

Title: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

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

E-mail Address: N/A

Marital
@
Same address

Section 6. Billing Information (Instructions Page 30)

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., Ms., Miss): Mr.

First and Last Name: Nick Patel

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

Title: Owner

Organization Name: Arcola Development, LLC.

Mailing Address: 6804 Bintliff

City, State, Zip Code: Houston, Texas 77024

Phone No.: 281-630-3875 Ext.: N/A Fax No.: N/A

E-mail Address: nsp752@gmail.com

Section 7. DMR/MER Contact Information (Instructions Page 31)

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

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

First and Last Name: Nick Patel

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

Title: Owner

Organization Name: Arcola Development, LLC.
Mailing Address: 6804 Bintliff
City, State, Zip Code: Houston, Texas 77024
Phone No.: 281-630-3875 Ext.: N/A Fax No.: N/A
E-mail Address: nsp752@gmail.com

DMR data is required to be submitted electronically. Create an account at:
<https://www.tceq.texas.gov/permitting/netdmr/netdmr.html>.

Section 8. Public Notice Information (Instructions Page 31)

A. Individual Publishing the Notices

Prefix (Mr., Ms., Miss): Mr.
First and Last Name: George H. Neill
Credential (P.E., P.G., Ph.D., etc.): PE
Title: Presid
Organization: ARCOLA DEVELOPMENT LLC
Mailing Address: NICK PATEL, OWNER
City, State, Zip: 12972 DAIRY ASHFORD RD #150
Phone No.: 7 SUGARLAND, TEXAS 77478 281 630 3875
E-mail Address:

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 person to be listed in the Notices

Prefix (Mr., Ms., Miss): Mr.
First and Last Name: Nick Patel
Credential (P.E., P.G., Ph.D., etc.): N/A
Title: Owner
Organization Name: Arcola Development, LLC.
Phone No.: 281-630-3875 Ext.: N/A
E-mail: nsp752@gmail.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: Brazoria County Clerk

Location within the building: Suite 200

Physical Address of Building: 111 E. Locust

City: Angleton

County: Brazoria

Contact Name: Joyce Hudman

Phone No.: 979-864-1355 Ext.: N/A

E. Bilingual Notice Requirements:

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

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

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

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

☒ Yes ☐ No

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

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

F. 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: See Exhibit XVIII

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 33)

- A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN102080397

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):

~~Stafford Mobile Home Park, Inc.~~

Arcola development

- C. Owner of treatment facility:

Ownership of Facility:

ARCOLA DEVELOPMENT LLC

May 2015
ez Federal

- D. Owner of land where treatment facility is located:

NICK PATEL, OWNER

Prefix (Mr., Ms., Miss):

12972 DAIRY ASHFORD RD #150

First and Last Name: A

Mailing Address: 6804

SUGARLAND, TEXAS 77478

281 630 3875

City, State, Zip Code: HOUSTON, TEXAS

Phone No.: 281630-3875

E-mail Address: nsp752@gmail.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: N/A

- E. Owner of effluent disposal site:

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

First and Last Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

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

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

First and Last Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 34)

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

☐ Yes ☒ No

N/A – New Permit

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

New Permit – Facility will be located approximately 0.5 miles northwest of the intersection of Highway 6 and Savanna Parkway.

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

☐ Yes ☐ No

N/A – New Permit

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:

Through a 6-inch PVC pipe to ditch and eventually into classified segment 1108.

City nearest the outfall(s): Arcola, Texas

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

Outfall Latitude: 29

Longitude: 95

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

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of

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

First and Last Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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

Attachment: N/A

*Let / Long added
Sec 10 "E"
Dec 2, 2024*

Section 10. TPDES Discharge Information (Instructions Page 34)

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

☐ Yes ☒ No

N/A – New Permit

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

New Permit - Facility will be located approximately 0.5 miles northwest of the intersection of Highway 6 and Savanna Parkway.

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

☐ Yes ☐ No

N/A – New Permit

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:

Through a 6-inch PVC pipe to ditch and eventually into classified segment 1108.

City nearest the outfall(s): Arcola, Texas

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

Outfall Latitude: 29 *see aerial photo* Longitude: 95

29° 29' 46" 95° 26' 58"

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

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of

discharge.

N/A

Section 11. TLAP Disposal Information (Instructions Page 36)

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

☐ Yes ☐ No

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

N/A

B. City nearest the disposal site: N/A

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

D. Disposal Site Latitude: N/A Longitude: N/A

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

N/A

F. For TLAPs, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:

N/A

Section 12. Miscellaneous Information (Instructions Page 37)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

N/A

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

☐ Yes ☒ No

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

N/A

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

☐ Yes ☒ No

If yes, provide the following information:

Account number: N/A

Amount past due: N/A

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

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: N/A

Amount past due: N/A

Section 13. Attachments (Instructions Page 38)

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: N/A
- email smaller print*

Section 14. Signature Page (Instructions Page 39)

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

Permit Number: New Permit

Applicant: Arcola Development, 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): Mr. Niranjana S. Patel

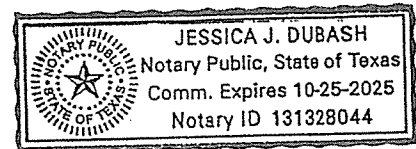
Signatory title: Owner

Signature:  Date: 9/1/23
(Use blue ink)

Subscribed and Sworn to before me by the said Niranjana S. Patel
on this 1st day of September, 2023.
My commission expires on the 25 day of October, 2023.


Notary Public


County, Texas



[SEAL]

Section 15. Plain Language Summary (Instructions Page 40)

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS

DOMESTIC WASTEWATER

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

1. Enter applicant's name here. (2. Enter Customer Number here (i.e., CN6#####).) 3. Choose from the drop-down menu. 4. Enter name of facility here. 5. Enter Regulated Entity Number here (i.e., RN1#####). 6. Choose from the drop-down menu. 7. Enter facility description here.. The facility 8. Choose from the drop-down menu. located 9. Enter location here. , in 10. Enter city name here., 11. Enter county name here. County, Texas 12. Enter zip code here..

13. Enter summary of application request here. <<For TLAP applications include the following sentence, otherwise delete:>> This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain 14. List all expected pollutants here.. 15. Enter types of wastewater discharged here. 16. Choose from the drop-down menu. treated by 17. Enter a description of wastewater treatment used at the facility here..

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

AGUAS RESIDUALES DOMÉSTICAS

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 son representaciones federales exigibles de la solicitud de permiso.

1. Introduzca el nombre del solicitante aquí. 2. Introduzca el número de cliente aquí (es decir, CN6 #####). 3. Elija del menú desplegable. 4. Introduzca el nombre de la instalación aquí. 5. Introduzca el número de entidad regulada aquí (es decir, RN1 #####). 6. Elija del menú desplegable. 7. Introduzca la descripción de la instalación aquí. La instalación 8. Elija del menú desplegable. ubicado 9. Introduzca la ubicación aquí, en 10. Introduzca el nombre de la ciudad aquí, Condado de 11. Introduzca el nombre del condado aquí, Texas 12. Introduzca el código postal aquí. 13. Introduzca el resumen de la solicitud de solicitud aquí. <<Para las aplicaciones de TLAP incluya la siguiente oración, de lo contrario, elimine:>> Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan 14. Liste todos los contaminantes esperados aquí. 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable. tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

DOMESTIC ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 41)

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

See Exhibit III

- ☒ 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.

See Exhibit IV

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

- ☒ USB Drive ☐ Four sets of labels

See Exhibit V

- D. Provide the source of the landowners' names and mailing addresses: Fort Bend and Brazoria 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):

N/A

Section 2. Original Photographs (Instructions Page 44)

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

See Exhibit VI

- ☒ 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 44)

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.

See Exhibit VII

- 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

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

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

See Exhibit XVI

1. Check or Money Order Number: 2932
2. Check or Money Order Amount: \$350.00
3. Date of Check or Money Order: August 17, 2023
4. Name on Check or Money Order: Fulcrum Consulting Services
5. APPLICATION INFORMATION

Name of Project or Site: 25,000 GPD WWTP

Physical Address of Project or Site: Located approximately 0.5 miles northwest of the intersection of Highway 6 and Savanna Parkway.

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

Staple Check or Money Order in This Space

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ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 50)

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

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

Full legal name (first, middle, last): N/A

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

Date of Birth: N/A

Mailing Address: N/A

City, State, and Zip Code: N/A

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

E-mail Address: N/A

CN: N/A

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

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 applications 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 Attached ☐ 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)

ARCOLA DEVELOPMENT, LLC.
SPIF TOPOGRAPHIC MAP
EXHIBIT VIII

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC 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)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

Do not refer to a response of any item in the permit application form. Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee: Arcola Development, LLC.

Permit No. WQ00 New Permit

EPA ID No. TX New Permit

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

Site of 25,000 GPD Wastewater Treatment Plant is located approximately 0.5 miles northwest of the intersection of Highway 6 and Savanna Parkway.

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

Prefix

First : ARCOLA DEVELOPMENT LLC

Credit : NICK PATEL, OWNER

Title: 12972 DAIRY ASHFORD RD #150

Mail:

City, SUGARLAND, TEXAS 77478 281 630 3875

Phone

E-mail Address: nsp752@gmail.com

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

N/A

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

Through a 6-inch PVC line to a drain ditch and eventually into segment 1108.

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

See Exhibit II

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 | N/A |
| ☐ Visual effects that could damage or detract from a historic property's integrity | N/A |
| ☐ Vibration effects during construction or as a result of project design | N/A |
| ☐ Additional phases of development that are planned for the future | N/A |
| ☐ Sealing caves, fractures, sinkholes, other karst features | N/A |

☐ Disturbance of vegetation or wetlands

N/A

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

Minimal site location preparation.

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

Currently undeveloped.

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

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

No buildings and structures are located on the property.

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

This section not applicable.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
DOMESTIC WASTEWATER PERMIT APPLICATION

DOMESTIC TECHNICAL REPORT 1.0

The Following Is Required For All Applications
Renewal, New, And Amendment

Section 1. Permitted or Proposed Flows (Instructions Page 51)

A. Existing/Interim I Phase

Design Flow (MGD): 0.025

2-Hr Peak Flow (MGD): 0.100

Estimated construction start date: 02/15/2024

Estimated waste disposal start date: 04/15/2024

B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): 0.025

2-Hr Peak Flow (MGD): 0.100

Estimated construction start date: 02/15/2024

Estimated waste disposal start date: 04/15/2024

D. Current operating phase: Proposed

Provide the startup date of the facility: 04/15/2024

Section 2. Treatment Process (Instructions Page 51)

A. Treatment process description

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 in the permit, a description of each phase must be provided.** Process description:

A prepackaged extended aeration system in which sewage passes through a bar screen to an aeration chamber and then to a clarifying chamber, sludge is transferred to a digester and supernatant is moved to a chlorine chamber and then to discharge.

Port or pipe diameter at the discharge point, in inches: 6

B. Treatment Units

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

Table 1.0(1) – Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Aeration Basin	1	33' X 12' X 12'
Digester	1	5' X 12' X 12'
Clarifier (Round)	1	15' diameter
Chlorine Chamber	1	5' X 12' X 12'

C. Process flow diagrams

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

Attachment: See Exhibit IV

Section 3. Site Drawing (Instructions Page 52)

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: See Exhibit X

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

The facility will provide wastewater service to a new mobile home park to serve 250 lots.

Section 4. Unbuilt Phases (Instructions Page 52)

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

Yes ☐

No ☒

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

Yes ☐

No ☒

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

N/A

Section 5. Closure Plans (Instructions Page 53)

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

Yes ☐ No ☒

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

Yes ☐ No ☒

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 53)

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

A. Summary transmittal

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

Yes ☐ No ☒

If **yes**, provide the date(s) of approval for each phase: N/A

Provide information, including dates, on any actions taken to meet a requirement or provision pertaining to the submission of a summary transmittal letter. Provide a copy of an approval letter from the TCEQ, if applicable.

N/A

B. Buffer zones

Have the buffer zone requirements been met?

Yes ☒ No ☐

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

Nuisance Odor Reduction Plan See Exhibit XVII

C. Other actions required by the current permit

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

Yes ☐ No ☒

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

N/A

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

Yes ☐ No ☒

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

2. Grit and grease processing

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

N/A

3. Grit disposal

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

Yes ☐ No ☐

N/A

If **No**, contact the TCEQ Municipal Solid Waste team at 512-239-0000. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

N/A

4. Grease and decanted liquid disposal

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-0000.

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

N/A

E. Stormwater management

1. Applicability

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

Yes ☐

No ☒

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

Yes ☐

No ☒

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

2. MSGP coverage

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

Yes ☐

No ☐ N/A

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

TXR05 N/A or TXRNE N/A

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

Yes ☐ No ☐

3. Conditional exclusion

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

Yes ☐ No ☐ N/A

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

N/A

4. Existing coverage in individual permit

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

Yes ☐ No ☐ N/A

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

N/A

5. Zero stormwater discharge

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

Yes ☐ No ☐ N/A

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

N/A

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

6. Request for coverage in individual permit

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

Yes ☐ No ☐ N/A

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

N/A

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

Yes ☐ No ☐ N/A

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

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

1. Acceptance of sludge from other WWTPs

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

Yes ☐ No ☒

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

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

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

Yes ☐ No ☒

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

Yes ☐ No ☒

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

Yes ☐ No ☒

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

N/A

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

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

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

Yes ☐ No ☒

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

N/A

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 58)

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).

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

THIS SECTION NOT APPLICABLE

Table 1.0(2) - Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					

THIS SECTION NOT APPLICABLE

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
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					

WWTP NOT IN SERVICE

*TPDES permits only

†TLAP permits only

Table 1.0(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					
pH, standard units					

ARCOLA DEVELOPMENT, LLC.
DESIGN CALCULATIONS
EXHIBIT 9.

WASTEWATER TREATMENT PLANT CALCULATIONS

GIVEN:

FLOW 25,000 GPD
BOD 250 mg/l
PEAK Q 4 69 GPM

REQ'D EFFLUENT (SECONDARY) 10 BOD
15 TSS

ALL PARAMETERS BASED ON TNRCC 217 RULE FOR EXTENDED AERATION

LBS BOD 52.1

AERATION VOLUME:

LOADING 15 LBS/1000 CU FT

VOLUME= LBS BOD / 15 3,475 CU FT

Sludge Holding

VOLUME= LBS BOD X 10 521 CU FT

CLARIFIER MINIMUMS BASED ON

800.0 GPD@ PEAK
400.0 GPD@ ADF
1.8 HRS DETENTION @ PEAK
8.5 SWD

SURFACE @ PEAK= 125 SQ FT

SURFACE @ ADF= 63 SQ FT

CHECK VOLUME 1062.5 CU FT OR 7,948 GALLONS CONTROLS

VOLUME REQUIRED 7,500 GALLONS

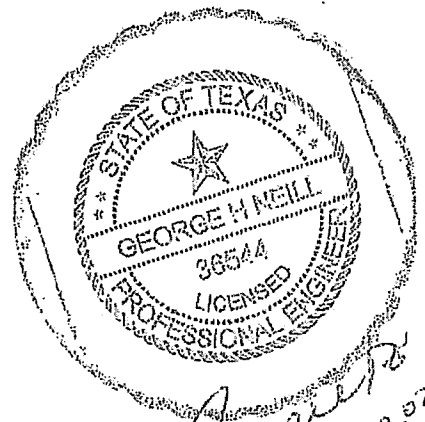
SURFACE REQ'D= 118 SQ FT BASE ON VOLUME

CLARIFIER DIM

AREA ^0.5 12.26 FT USE 12'6" DIAMETER

CHLORINE TANK 20 MINUTE @ PEAK

VOLUME= 1389 GALLONS 186 CU FT



George H. Neill
Apr 23, 2023

THIS SECTION NOT APPLICABLE

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

Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name: Licensed Operator will be determined upon permit approval

Facility Operator's License Classification and Level: N/A

Facility Operator's License Number: N/A

Section 9. Sewage Sludge Management and Disposal (Instructions Page 60)

A. Sludge disposal method

Identify the current or anticipated sludge disposal method or methods from the following list. Check all that apply.

- ☒ Permitted landfill
- ☒ Permitted or Registered land application site for beneficial use
- ☐ Land application for beneficial use authorized in the wastewater permit
- ☐ Permitted sludge processing facility
- ☐ Marketing and distribution as authorized in the wastewater permit
- ☐ Composting as authorized in the wastewater permit
- ☒ Permitted surface disposal site (sludge monofill)
- ☐ Surface disposal site (sludge monofill) authorized in the wastewater permit
- ☐ Transported to another permitted wastewater treatment plant or permitted sludge processing facility. If you selected this method, a

written statement or contractual agreement from the wastewater treatment plant or permitted sludge processing facility accepting the sludge must be included with this application.

☐ Other:

B. Sludge disposal site

Disposal site name: To be determined upon permit approval

TCEQ permit or registration number: N/A

County where disposal site is located: N/A

C. Sludge transportation method

Method of transportation (truck, train, pipe, other): To be determined upon permit approval

Name of the hauler: N/A

Hauler registration number: N/A

Sludge is transported as a:

Liquid ☐

semi-liquid ☒

semi-solid ☐

solid ☐

**Section 10. Permit Authorization for Sewage Sludge Disposal
(Instructions Page 60)**

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 ☐ N/A

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

Yes ☐ No ☐ N/A

B. Sludge processing authorization

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

Sludge Composting

Yes ☐ No ☒

Marketing and Distribution of 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 61)

Does this facility include sewage sludge lagoons?

Yes ☐ No ☒ N/A

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

A. Location information

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

- Original General Highway (County) Map:

Attachment: N/A

- USDA Natural Resources Conservation Service Soil Map:

Attachment: N/A

- Federal Emergency Management Map:

Attachment: N/A

- Site map:

Attachment: N/A

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

- ☐ Overlap a designated 100-year frequency flood plain N/A
- ☐ Soils with flooding classification N/A
- ☐ Overlap an unstable area N/A
- ☐ Wetlands N/A
- ☐ Located less than 60 meters from a fault N/A

☒ None of the above

Attachment: N/A

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

N/A

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

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

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

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

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

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

C. Liner information

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

Yes ☐ No ☐

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

N/A

D. Site development plan

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

N/A

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

Attachment: N/A

- Copy of the closure plan

Attachment: N/A

- Copy of deed recordation for the site

Attachment: N/A

- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

Attachment: N/A

- Description of the method of controlling infiltration of groundwater and surface water from entering the site

Attachment: N/A

- Procedures to prevent the occurrence of nuisance conditions

Attachment: N/A

E. Groundwater monitoring

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

Yes ☐ No ☐ N/A

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

Attachment: N/A

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 63)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

Yes ☐ No ☒

If yes, provide the TCEQ authorization number and description of the authorization:

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

Yes ☐ No ☒

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

Yes ☐ No ☒

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

N/A

Section 13. RCRA/CERCLA Wastes (Instructions Page 63)

A. RCRA hazardous wastes

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

Yes ☐ No ☒

B. Remediation activity wastewater

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

Yes ☐ No ☒

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 64)

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: Niranjan S. Patel

Title: Owner

Signature: 

Date: 9/1/23

DOMESTIC TECHNICAL REPORT 1.1

The following is required for new and amendment applications

Section 1. Justification for Permit (Instructions Page 66)

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 projected 25,000GPD Wastewater treatment facility will be constructed under one phase of construction.

B. Regionalization of facilities

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

1. Municipally incorporated areas

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

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

Yes ☐ No ☒ Not Applicable ☐

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

If yes, attach correspondence from the city.

Attachment: N/A

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

Attachment: N/A

2. Utility CCN areas

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

Yes ☐ No ☒

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

Attachment: N/A

3. Nearby WWTPs or collection systems

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

Yes ☒ No ☐

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

Attachment: See Exhibit XI

If **yes**, attach copies of your certified letters to these facilities **and** their response letters concerning connection with their system.

Attachment: See Exhibit XI

Does a permitted domestic wastewater treatment facility or a collection system located within three (3) miles of the proposed facility currently have the capacity to accept or is willing to expand to accept the volume of wastewater proposed in this application?

Yes ☐ No ☒

If **yes**, attach an analysis of expenditures required to connect to a permitted wastewater treatment facility or collection system located within 3 miles versus the cost of the proposed facility or expansion.

Attachment: N/A

Section 2. Organic Loading (Instructions Page 67)

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): N/A

Average Influent Organic Strength or BOD₅ Concentration in mg/l: N/A

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): N/A

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

N/A

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	N/A	N/A
Subdivision	N/A	N/A
Trailer park - transient	0.25	300
Mobile home park	N/A	N/A
School with cafeteria and showers	N/A	N/A
School with cafeteria, no showers	N/A	N/A
Recreational park, overnight use	N/A	N/A
Recreational park, day	N/A	N/A

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
use		
Office building or factory	N/A	N/A
Motel	N/A	N/A
Restaurant	N/A	N/A
Hospital	N/A	N/A
Nursing home	N/A	N/A
Other Commercial	N/A	N/A
TOTAL FLOW from all sources	0.025	
AVERAGE BOD ₅ from all sources		300

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 68)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 20

Total Suspended Solids, mg/l: 20

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 2

Other: N/A

B. Interim II Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: N/A

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: N/A

Other: N/A

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 20

Total Suspended Solids, mg/l: 20

Ammonia Nitrogen, mg/l: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 2

Other: N/A

D. Disinfection Method

Identify the proposed method of disinfection.

- ☒ Chlorine: 2 mg/l after 20 minutes detention time at peak flow
Dechlorination process: N/A
- ☐ Ultraviolet Light: N/A seconds contact time at peak flow
- ☐ Other: N/A

Section 4. Design Calculations (Instructions Page 68)

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

Attachment: See Exhibit XII

Section 5. Facility Site (Instructions Page 68)

A. 100-year floodplain

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

Yes ☒ No ☐

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

protective structures.

N/A

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

FEMA Map: 480228 (See Exhibit XIII)

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

Yes ☐

No ☒

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

Yes ☐

No ☒

If **yes**, provide the permit number: N/A

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

B. Wind rose

Attach a wind rose. **Attachment:** See Exhibit XIV

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 69)

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)

Attachment: N/A

B. Sludge processing authorization

N/A

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 a completed DOMESTIC WASTEWATER PERMIT APPLICATION: SEWAGE SLUDGE TECHNICAL REPORT (TCEQ Form No. 10056).

Attachment: N/A

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 69)

Attach a solids management plan to the application.

Attachment: See Exhibit XV

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 TECHNICAL REPORT WORKSHEET 2.0

RECEIVING WATERS

The following is required for all TPDES permit applications

Section 1. Domestic Drinking Water Supply (Instructions Page 73)

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 yes, provide the following:

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

Attachment: N/A

Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)

Does the facility discharge into tidally affected waters?

Yes ☐ No ☒

If yes, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: N/A

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

Yes ☐ No ☒

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

N/A

C. Sea grasses

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

Yes ☐ No ☒

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

N/A

Section 3. Classified Segments (Instructions Page 73)

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 75)

Name of the immediate receiving waters: Segment 1108 Chocolate Bayou

A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☒ Stream N/A
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: N/A

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

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

- ☒ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: N/A

B. Flow characteristics

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

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

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

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☒ Personal observation
- ☐ Other, specify:

C. Downstream perennial confluences

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

Segment 1108 Chocolate Bayou

D. Downstream characteristics

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

Yes ☐ No ☒

If yes, discuss how.

N/A

E. Normal dry weather characteristics

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

The water body is dry.

Date and time of observation: 7/27/2023 @ 11:00 AM

Was the water body influenced by stormwater runoff during observations?

Yes ☐

No ☒

Section 5. General Characteristics of the Waterbody (Instructions Page 74)

A. Upstream influences

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

☐ Oil field activities

☐ Urban runoff

☐ Upstream discharges

☒ Agricultural runoff

☐ Septic tanks

☐ Other(s), specify

B. Waterbody uses

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

☒ Livestock watering

☐ Contact recreation

☐ Irrigation withdrawal

☐ Non-contact recreation

☐ Fishing

☐ Navigation

☐ Domestic water supply

☐ Industrial water supply

☐ Park activities

☐ Other(s), specify

C. Waterbody aesthetics

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

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

DOMESTIC WORKSHEET 2.1

STREAM PHYSICAL CHARACTERISTICS

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

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

Section 1. General Information (Instructions Page 75)

Date of study: 07/27/2023 Time of study: 11:00 AM

Stream name: Drain Ditch

Location: Arcola, TX

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

☒ Perennial

☐ Intermittent with perennial pools

Section 2. Data Collection (Instructions Page 75)

Number of stream bends that are well defined: 1

Number of stream bends that are moderately defined: 1

Number of stream bends that are poorly defined: 0

Number of riffles: 0

Evidence of flow fluctuations (check one):

☒ Minor

☐ moderate

☐ severe

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

No channel obstruction observed.

Stream transects

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

Table 2.1(1) - Stream Transect Records

Stream type at transect Select riffle, run, glide, or pool. See Instructions, Definitions section.	Transect location	Water surface width (ft)	Stream depths (ft) at 4 to 10 points along each transect from the channel bed to the water surface. Separate the measurements with commas.
pool	At discharge point	15	0,4,10,4,0
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			

Section 3. Summarize Measurements (Instructions Page 76)

Streambed slope of entire reach, from USGS map in feet/feet: .0001

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): 1 mile

Length of stream evaluated, in feet: 5280

Number of lateral transects made: 1

Average stream width, in feet: 15

Average stream depth, in feet: 10

Average stream velocity, in feet/second: 2

Instantaneous stream flow, in cubic feet/second: 2

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

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

Maximum pool depth, in feet: 2

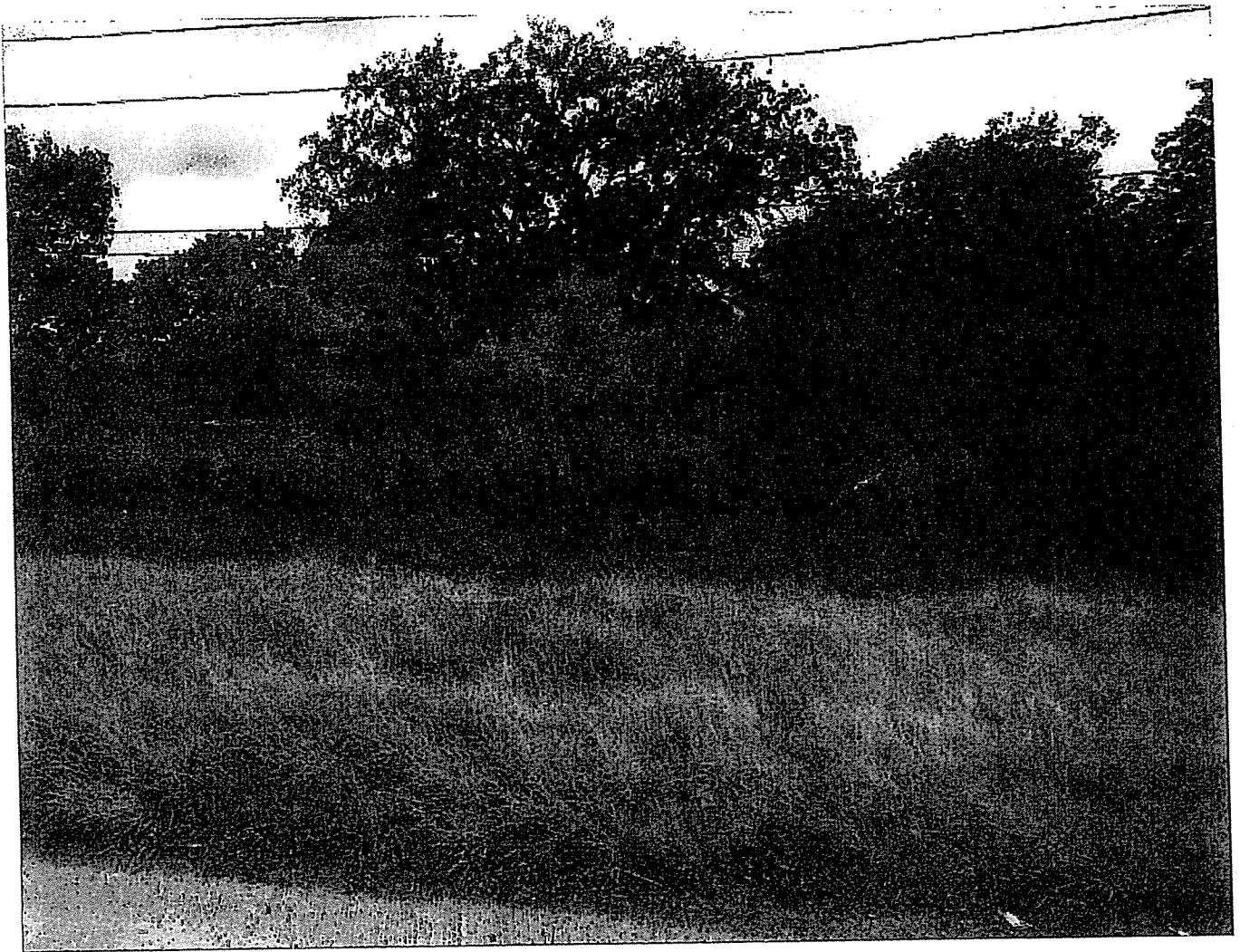
LIST of EXHIBITS ARCOLA DEVELOPMENT TPDES APPLICATION

1. CHECK
2. PHOTOS
3. PHOTO LOCATION MAP
4. SITE DRAWING
5. CORE DATA FORM
6. FLOOD PLAIN MAP
7. FIELD NOTES AND SURVEY
8. FORM 20960 PUBLIC INVOLVMENT PLAN
9. WWTP CALCULATIONS
10. FLOW DIAGRAM
11. SLUDGE MGMNT PLAN
12. WIND ROSE
13. BUIFFER ZONE MAP
14. RESULT OF COMMUNICATION W/ FORT BEND CO DRAINAGE
15. CLOSE PROXIMITY OF NEARBY WWTP & LETTERS
16. SURROUNDING AND DOWNSREAN OWNERS MAP AND LIST
17. TOPO MAP
18. ROUTE OF DISCH MAP

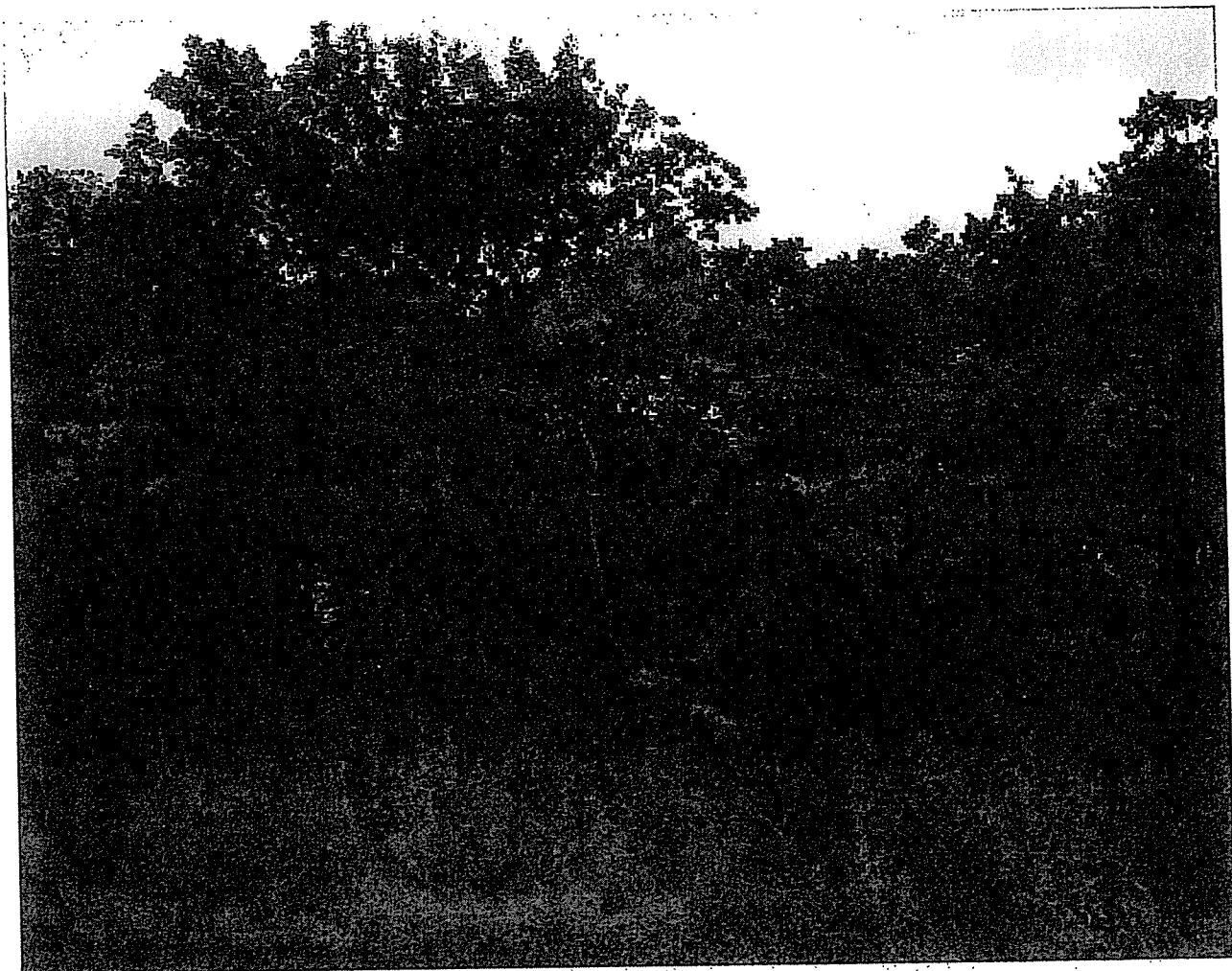
20. OTHERS

ARCOLA DEVELOPMENT, LLC.
PHOTOGRAPHS
EXHIBIT

2.



**ARCOLA DEVELOPMENT, LLC.
SITE PHOTOGRAPHS | EXHIBIT VI
PHOTO No. 1**



**ARCOLA DEVELOPMENT, LLC.
SITE PHOTOGRAPHS | EXHIBIT VI
PHOTO No. 2**



ARCOLA DEVELOPMENT, LLC.
SITE PHOTOGRAPHS | EXHIBIT VI
PHOTO No. 3

**ARCOLA DEVELOPMENT, LLC.
PHOTOGRAPH LOCATION MAP
EXHIBIT 3.**

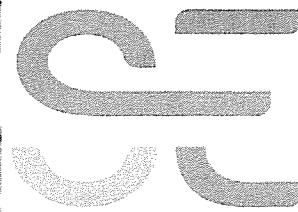
[illegible]

**ARCOLA DEVELOPMENT, LLC.
SITE DRAWING
EXHIBIT 4.**

NOTE:

1. THE TXDOT DITCH IS A DETENTION FACILITY THAT SERVES HIGHWAY 6. TO THE BEST OF OUR KNOWLEDGE, IT DOES NOT CONTAIN WASTEWATER TREATMENT PLANT EFFLUENT.

2. The FUTURE RV PAD SITES AND THE FUTURE COMMERCIAL BUILDINGS ARE TO BE SERVED BY THE PROPOSED PRIVATE WASTEWATER TREATMENT FACILITY. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OSSF PROPOSED ARE EXISTING ON THIS SITE.



Stanford Engineering

4506 PRIMROSE VALLEY LANE
FULSHEAR, TEXAS 77441
TBPELS FIRM NO. 23646
MARCH 4, 2024

**ARCOLA DEVELOPMENT, LLC.
CORE DATA FORM 10400
EXHIBIT 5.**

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
☒ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
☐ Renewal (Core Data Form should be submitted with the renewal form)		☐ Other
2. Customer Reference Number (If issued)	Follow this link to search for CN or DN numbers in Central Registry: http://www.tceq.texas.gov/centralregistry/	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)	
☐ New Customer ☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		☒ Update to Customer Information ☐ Change in Regulated Entity Ownership	
<i>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).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
Arcola Development, LLC.		N/A	
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
N0158118800	32002397159	87-2886158	N/A
11. Type of Customer:		Partnership: ☐ General ☒ Limited	
☐ Corporation Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Individual ☐ Sole Proprietorship	
12. Number of Employees		13. Independently Owned and Operated?	
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher		☒ Yes ☐ No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
☒ Owner ☐ Operator ☐ Owner & Operator ☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:			
15. Mailing Address:		17. E-Mail Address (if applicable)	
Mr. Niranjan S. Patel		nsp752@gmail.com	
6804 Bintliff			
City	Houston	State	TX
ZIP	77024	ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
N/A		nsp752@gmail.com	
18. Telephone Number		20. Fax Number (if applicable)	
19. Extension or Code			



TCEQ Core Data Form

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

SECTION I: General Information

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

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		08/16/2023
☒ New Customer		☒ Update to Customer Information		☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		Owner was other projects		
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:		
Arcola Development, LLC.		N/A		
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)	
809240298	32081124458	87-2886158	N/A	
11. Type of Customer:		Partnership		
☐ Corporation		☐ Individual		
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship		
12. Number of Employees		13. Independently Owned and Operated?		
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher		☒ Yes ☐ No		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
☒ Owner ☐ Operator ☐ Owner & Operator ☐ Other:				
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant				
15. Mailing Address:	Mr. Nick Patel 12972 DAIRY ASHFORD RD NO 150 SUGARLAND, TEXAS 77478			
16. Country Mailing Information (if outside USA)	17. E-Mail Address (if applicable)			
N/A	nsp752@gmail.com			
18. Telephone Number	19. Extension or Code		20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information

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

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

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

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

Arcola Development, LLC.

23. Street Address of the Regulated Entity

(No PO Boxes)

IN FORT BEND COUNTY, FROM INTERSECTION OF FM 521 AND HWY 6; ALONG HIGHWAY 6..1 MILE TO ARCOLA DEVELOPMENT ON THE SO SIDE OF HWY 6 @ the Brazoria Co line

City

ARCOLA

State

TX

ZIP

77024

77583

ZIP + 4

24. County

Fort Bend

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

25. Description to Physical Location:

TxDOT address on the Hwy 6 1 / 2 mi SE of Arcola

26. Nearest City

Arcola

State

TX

Nearest ZIP Code

77583

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

27. Latitude (N) In Decimal:

29.4960

28. Longitude (W) In Decimal:

95.4494

Degrees

29

Minutes

29

Seconds

46

Degrees

95

Minutes

26

Seconds

58

29. Primary SIC Code

(4 digits)

6552

30. Secondary SIC Code

(4 digits)

N/A

31. Primary NAICS Code

(5 or 6 digits)

237210

32. Secondary NAICS Code

(5 or 6 digits)

N/A

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

Mobile Home Park

34. Mailing Address:

ARCOLA DEVELOPMENT, LLC

12972 DAIRY ASHFORD RD # 150

SUGARLAND, TEXAS 77478

ZIP + 4

35. E-Mail Address:

nsp752@gmail.com

36. Telephone Number

(281) 630-3875

37. Extension or Code

N/A

38. Fax Number (if applicable)

() -

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

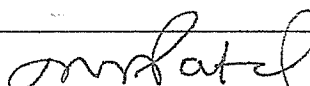
☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☒ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water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

SECTION IV: Preparer Information

40. Name:	Niranjan S Patel			41. Title:	Member
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(281) 630-3875	N/A	(N/A) -	nsp752@gmail.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 29.

Company:	Arcola Development, LLC.		Job Title:	Member
Name (In Print):	Niranjan S Patel		Phone:	(281) 630-3875
Signature:			Date:	8/16/2023

ARCOLA DEVELOPMENT, LLC.
FLOOD PLAIN MAP
EXHIBIT 6.



To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or Floodway Data are shown, users are encouraged to consult the Flood Insurance Study (FIS) report that accompanied the FIS. Users should be aware that BFEs shown on the FIS report are not intended to be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be used in conjunction with the FIS report for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only to locations of 100 Year Average Recurrence Interval (ARI) floods. Users of the FIS should be aware that coastal flood elevations are also provided in the FIS report for locations of 100 Year ARI floods. Floodway data shown on this map should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on the FIS.

Boundaries of the Floodways were computed at cross sections and extended between cross sections. The Floodway data shown on this map are not intended to be used for purposes of the National Flood Insurance Program (NFIP) and other federal floodway data as 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 production of this map was the North American Datum of 1983 (NAD83). The horizontal datum was NAD83. The vertical datum was the National Mean Sea Level (MSSL). The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data.

Notes:

1. The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data.

2. The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data.

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6. The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data.

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10. The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data. The map was produced using the National Flood Insurance Program (NFIP) data.

ARCOLA DEVELOPMENT, LLC.

FIELD NOTES AND SURVEY

EXHIBIT 7

Metes and Bounds Description
32.6651 Acres (1,422,891 Sq. Ft.)
(Residue of Called 38.652-acre tract)
A.B. Langermann Survey, A-456, Fort Bend County, Texas
A.B. Langermann Survey, A-625, Brazoria County, Texas

Description of a 32.6651 acre (1,422,891 square feet) tract of land situated in the A.B. Langermann Survey, Abstract No. 456, Fort Bend County, Texas and A.B. Langermann Survey, Abstract No. 625, Brazoria County, Texas, being the residue of a called 38.652-acre tract as conveyed unto Michael D. Copeland, Trustee, by deed recorded under Volume 1360, Page 100, Fort Bend County Deed Records (F.B.C.D.R.) and Volume 743, Page 653, Brazoria County Deed Records (B.C.D.R.), and being more particularly described by metes and bounds, as follows: (bearing basis: Texas Coordinate System, South Central Zone, NAD83, 2001 Adjustment).

COMMENCING at a found 5/8-inch iron rod in the south right-of-way line of State Highway 6, (200-foot right-of-way per C.C.F. No. 97011834, O.P.R.B.C.T.) being the north end of a cutback corner on the east right-of-way line of Public Road (unpaved), (60-foot right-of-way per Volume 349, page 614, F.B.C.D.R.) and for the northwest corner of a called 2.661-acre tract (115,898 square feet) as conveyed unto State of Texas by deed recorded under County Clerk's File No. 2000083928, Official Public Records Brazoria County, Texas (O.P.R.B.C.T.) (Said Commencing point having Surface coordinates of X=3,097,907.42' and Y=13,746,713.39'; Combined Scale Factor = 0.99986952);

THENCE, South 60 degrees 53 minutes 46 seconds East, with the south right-of-way line of said State Highway 6 and the north line of said 2.661-acre tract, a distance of 40.90 feet to a set 5/8-inch iron rod with cap stamped "HH Doshi 3860" for the northwest corner of the herein described tract, the northeast corner of said 2.661-acre tract and the **POINT OF BEGINNING**; (Said Beginning point having Surface coordinates of X=3,097,944.03' and Y=13,746,693.01')

THENCE, South 60 degrees 53 minutes 46 seconds East, with the south right-of-way line of said State Highway 6 and the north line of the herein described tract, a distance of 1,228.68 feet (called 1229.80 feet) to a found 5/8-inch iron rod for the northeast corner of the herein described tract, and the northwest corner of Lot 1, Block 1 of Braebend Estates Addition, a subdivision recorded under Volume 7, Page 23 of the Brazoria County Plat Records (B.C.P.R.);

THENCE, South 11 degrees 36 minutes 09 seconds West, with the east line of the herein described tract and the common westerly line of Lots 11 through 11, Block 1 of said Braebend Estates Addition, a distance of 761.49 feet to a set 5/8-inch iron rod with cap stamped "HH Doshi 3860" for an easterly interior corner of the herein described tract and a westerly interior corner of said Braebend Estates Addition; said corner being a common north corner of Lots 11 and 12, Block 1 of said Braebend Estates Addition;

THENCE, South 88 degrees 15 minutes 59 seconds West, with the south line of the herein described tract and the common northerly line of Lots 11 through 21, Block 1 of said Braebend Estates Addition, a distance of 933.22 feet to a set 5/8-inch iron rod with cap stamped "HH Doshi 3860" for an easterly interior corner of the herein described tract and a westerly interior corner of said Braebend Estates Addition; said corner being the northwest corner of Lot 21, Block 1 of said Braebend Estates Addition;

THENCE, South 03 degrees 01 minutes 11 seconds East, with the east line of the herein described tract and the common westerly line of Lots 21 through 25, Block 1 of said Braebend Estates Addition, a distance of 509.84 feet (called 467.48 feet) to a set 5/8-inch iron rod with cap stamped "HH Doshi 3860" for the most southerly southeast corner of the herein described tract; said corner located in the west line of said Lot 25, Block 1 of said Braebend Estates Addition, and in the north line of an unnamed dedicated 40-foot unpaved roadway (no deed of record), and from which a found 5/8-inch iron rod bears South 03 degrees 01 minutes 11 seconds East, a distance of 43.37 feet for the southwest corner of said Braebend Estates Addition;

THENCE, North 70 degrees 26 minutes 37 seconds West, with the south line of the herein described tract and the north line of said unnamed dedicated 40-foot unpaved roadway, a distance of 405.86 feet (called 400.41 feet) to a set 5/8-inch iron rod with cap stamped "HH Doshi 3860" for the southwest corner of the herein described tract, said corner also being the southeast corner of said 2.661-acre tract;

THENCE, North 11 degrees 54 minutes 28 seconds East, with the west line of the herein described tract and the east line of said 2.661-acre tract, a distance of 1783.44 feet (called 1782.34 feet) to the **POINT OF BEGINNING** and containing 32.6651 acres or 1,422,891 square feet of land, more or less.

H.H. Doshi

H.H. Doshi

Registered Professional Land Surveyor No. 3860

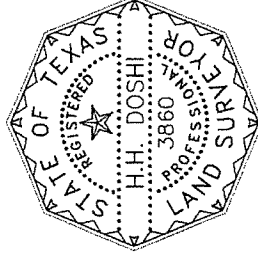
Doshi Engineering & Surveying Company

2019 Shadow Park Drive

Katy, Texas 77494

(281)395-9906

Survey Firm Registration No. 100876000



Job No. 2021-180
August 26, 2021

ARCOLA DEVELOPMENT, LLC.
TCEQ FORM 20960
EXHIBIT . 8.



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.

N/A

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.

Design and construct a new 25,000 GPD extended aeration wastewater plant to provide wastewater service to a planned 250 lot mobile home park.

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.

Arcola, Texas

(City)

Fort Bend

(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

91%

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

\$41,883

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

Asian 22.1%

Hispanic 25.5%

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

Unknown

(e) Languages commonly spoken in area by percentage

Spanish 25.5%

(f) Community and/or Stakeholder Groups

Unknown

(g) Historic public interest or involvement

Unknown

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) Brazoria County Clerk Office - 111 E. Locust, Suite 200 Anglin

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)

AERATION AREA:

SWD= 10.5 Width= 12 LENGTH= 28 FT

Sludge Holding:

SWD= 10.5 Width= 12 LENGTH= 4 FT

Total Length 32

Plus chlorine @3 feet and clarifier at 12'6"; total Length 47'6"

CL2 TANK LENGTH= 12 WIDTH= 3 DEPTH=

BLOWERS REQUIRED:

AERATION AIR=3,200 X LBS BOD/1440= 116 CFM

DIGESTER AIR=30 X 1000 CU FT= 16 CFM

AIRLIFTS BASED ON 10 CFM EACH 40 CFM

171 CFM

TOTAL AIR REQUIRED= 171 CFM

Sludge Digester Sizing (Per 217 "New Rules")

Design Flow: 25,000 GPD

BOD5 for Design 250 mg/l

Solids Production 0.25 Kg/M³ Treated (Source: ASCE/WEF
"Normal Domestic" Volume #3; Page 17-2
Wastewater "Estimating Solids Qu

Conv multiplier 1.23 (Design BOD/204 ("normal" BOD concentration))

Solids Production 0.31 Kg/M³ Treated

M³ @ 0.075 MGD 94,625 l/day
95 M³ per day

Dry Weight Solids 29 Kg/day
 64 lbs/day

TCEQ Requirements:		
Max allowed conc. of WAS flow	2%	217;(t);(7)(A),(i)
Detention Time	20 days	217;(t);(4)(B)

Calculate Volume Required:

1,277 (40 days of dry wt solids)

639 (Solids to dispose allowing for 50% reduction
in digestion/decanting)

3,828 (Gallons of volume required assuming 2% concentration)

512 (Ft³ Required)

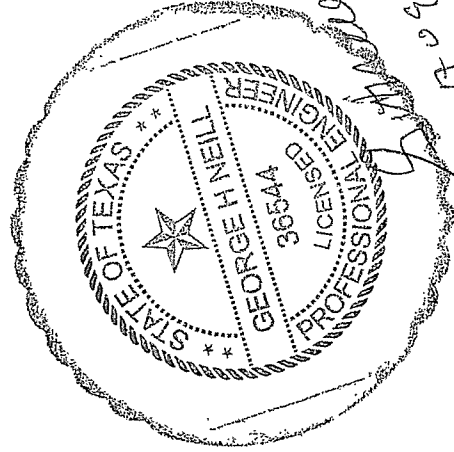
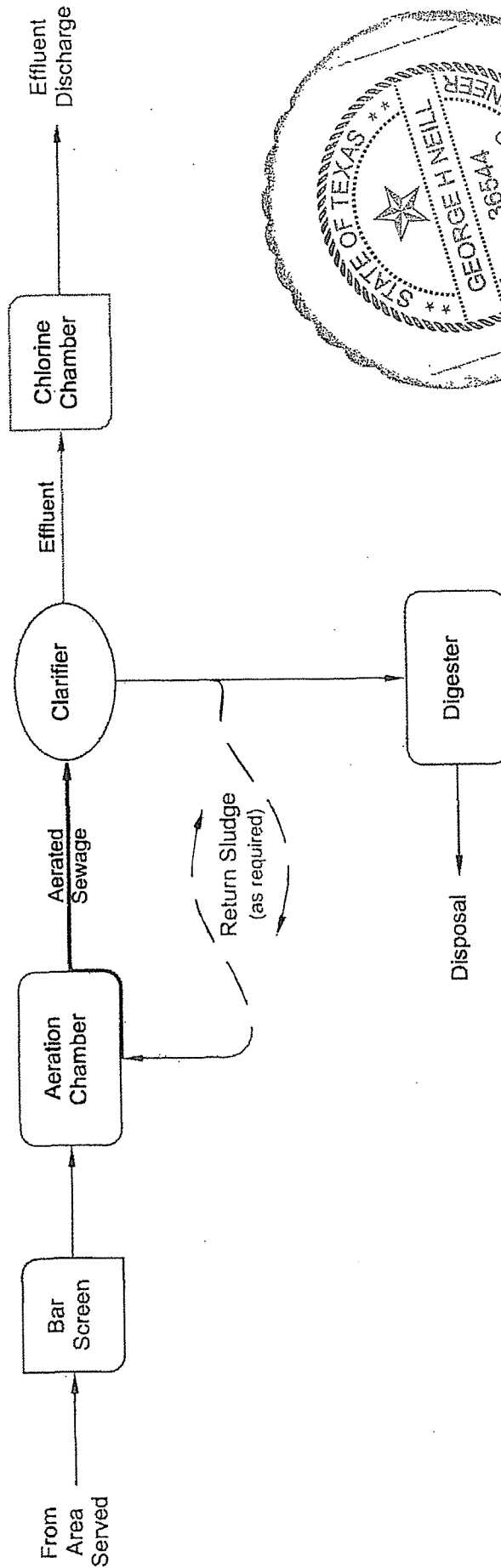
4 (Length assuming 12' wide x 12' tall tank)

ARCOLA DEVELOPMENT, LLC.

FLOW DIAGRAM

EXHIBIT 10

10.

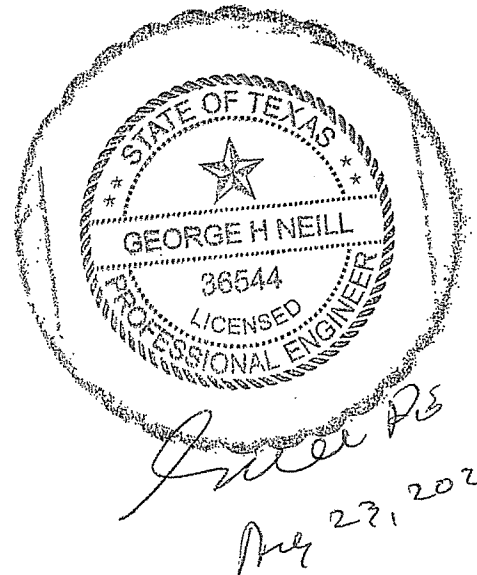


**ARCOLA DEVELOPMENT, LLC.
SEWAGE SLUDGE SOLIDS
MANAGEMENT
EXHIBIT 11.**

Sludge Management Calculation Sheet

Permittee	250 Lot RV Park
Influent BOD	300 mg/l
Effluent BOD	10 mg/l
Average Daily Flow	25,000 gallon/day
Influent TSS	220mg/l
Average Daily Organic Load	25.00 lbs/day
Required Digester Volume	600 cubic feet
BOD Removal	25.02 lbs/day

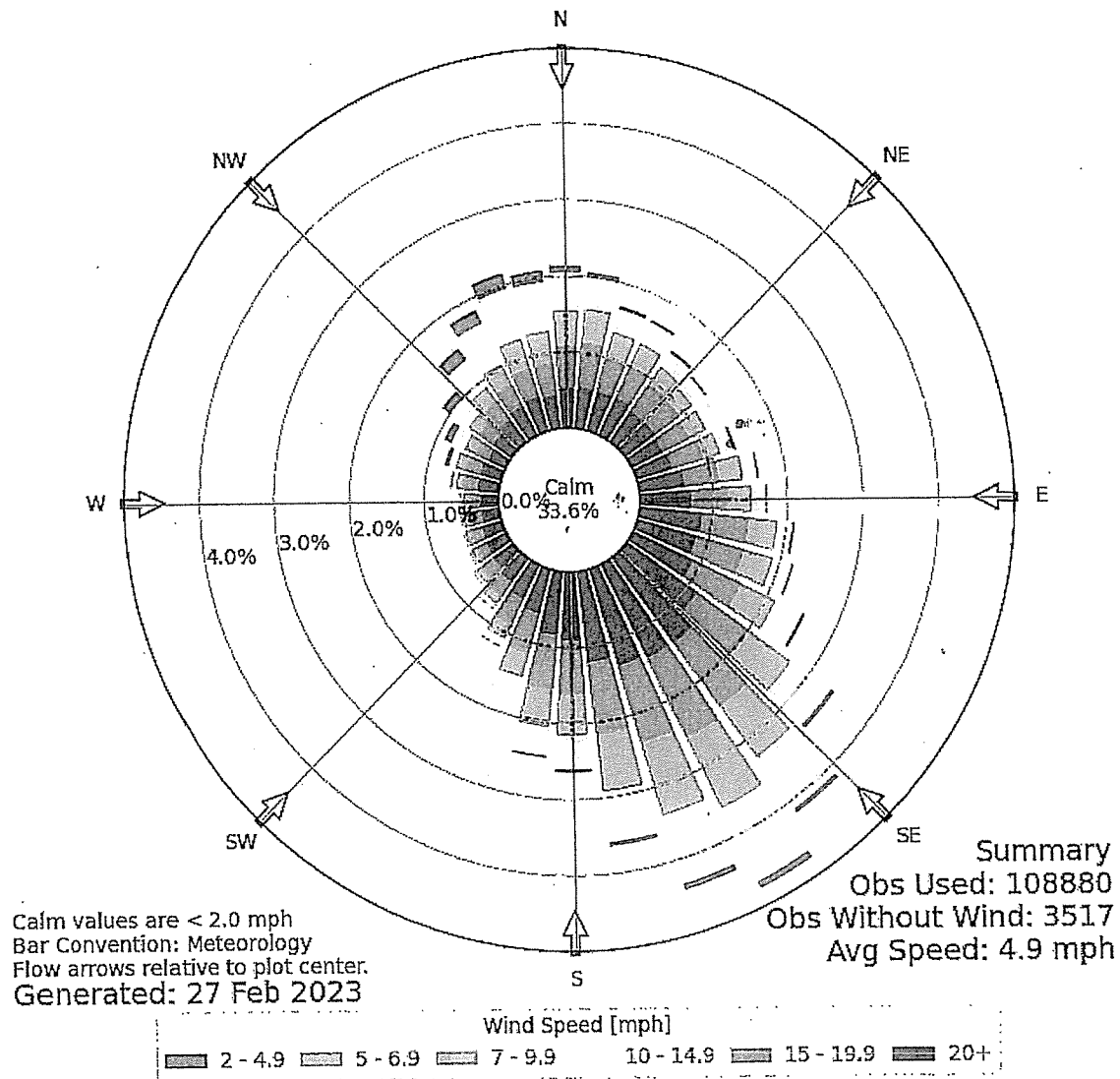
Solids Generated	100%	75%	50%	25%
BOD Removed	62.55	52.55	35.02	17.52
Non-Volatile TSS	54.97	41.22	27.50	13.75
Solids Produced (lbs)	35.02	26.27	17.52	8.75
Total Wet Sludge	2250.15	1687.62	1125.07	562.55
Volume of Wet Sludge (cu. Ft.)	36.12	27.07	18.05	9.02
Sludge Storage Available	103.75	138.50	207.50	412.25



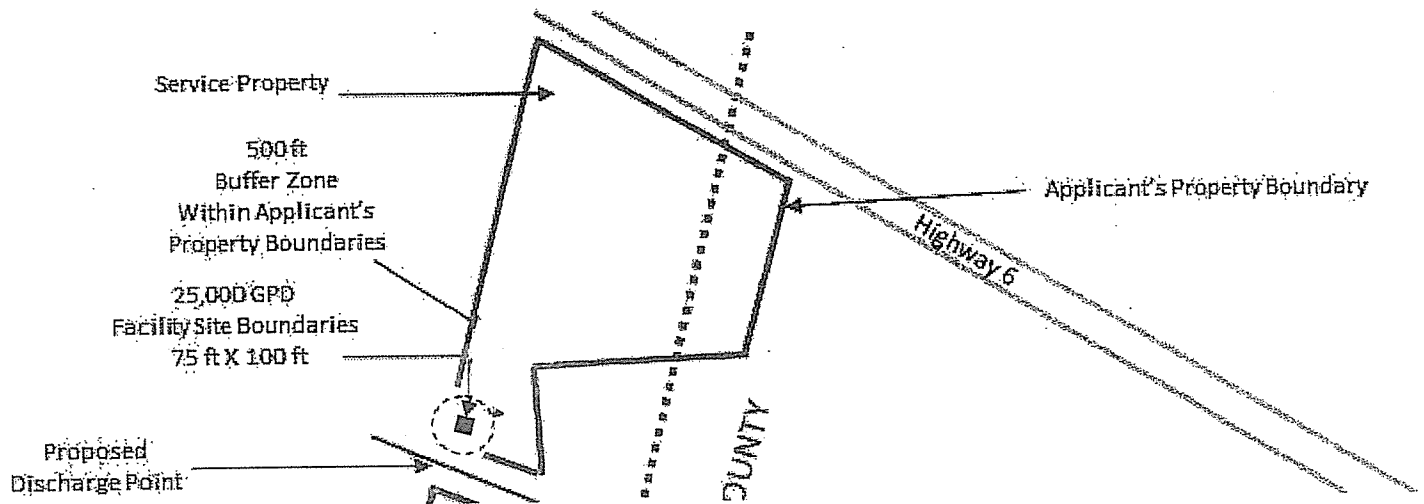
**ARCOLA DEVELOPMENT, LLC.
WIND ROSE
EXHIBIT 12.**



Windrose Plot for [AXH] Houston SW
Obs Between: 15 Jun 2009 02:24 PM - 27 Feb 2023 05:55 AM America/Chicago



ARCOLA DEVELOPMENT, LLC.
BUFFER ZONE MAP
EXHIBIT 13.



Date
August 2, 2023

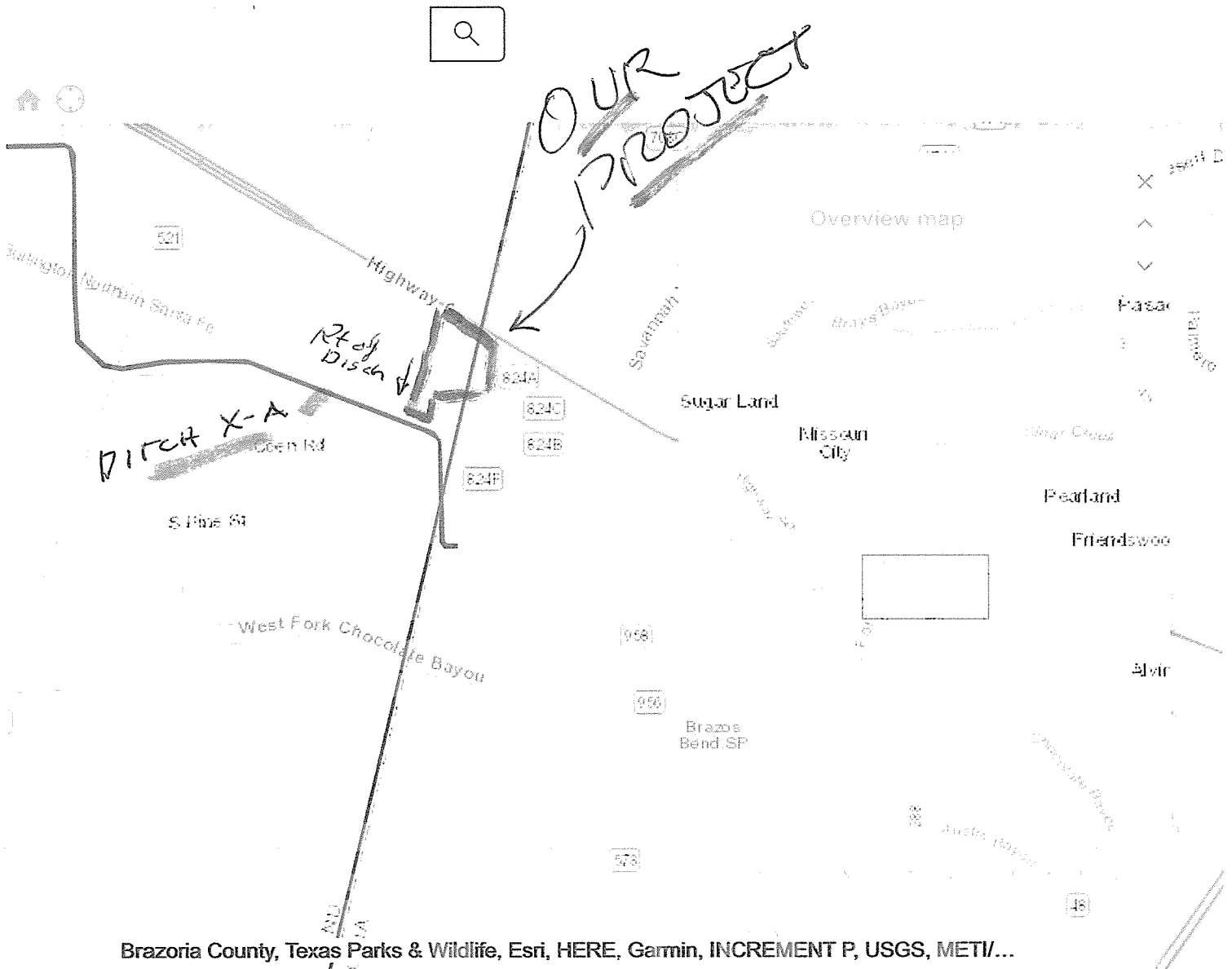
Drawn By
FCS

Scale
1:1000

George H. Neil & Associates
PO Box 811
Athens, Texas 75751-0761
Ph. (713) 499-4811
Texas Firm No. 2566

Stafford Mobile Home Park, Inc.
Waste Water Treatment Plan
Arcola, Texas
Buffer Zone Map

Exhibit VII



434
490
201

Email to Thomas De Froy
 <tdofroy@identityarchitects.com>

**ARCOLA DEVELOPMENT, LLC.
CLOSE PROXIMITY WWTP DATA
EXHIBIT 15.**

1

Supplemental

List of Close Proximity WWTP

1. Brazoria-Fort Bend Counties Municipal Utility District No. 3
~~TPDES Permit No. WQ0015861001~~
9 Greenway Plaza, Ste. 1000
Houston, TX 77046
 2. City of Arcola
~~TPDES Permit No. WQ0013367001~~
13222 Highway 6
Arcola, TX 77583
 3. Charleston Municipal Utility District
~~TPDES Permit No. WQ0015637001~~
20141 Schiel Rd
Cypress, TX 77433
 4. Brazoria County Municipal Utility District No. 21
~~TPDES Permit No. WQ0014222001~~
406 West Grand Parkway South, Suite 260
Katy, TX 77494
 5. New Rodeo 288 LTD
~~TPDES Permit No. WQ0016235001~~
1616 S Voss Road, #618
Houston, TX 77057
 6. Rancho La Fuente Partners LLC
~~TPDES Permit No. WQ0013735001~~
3900 County Rd. 48 #3
Rosharon, TX 77583
 7. Brazoria County Municipal Utility District No. 29
~~TPDES Permit No. WQ0014253001~~
3200 Southwest Freeway, Ste. 2600
Houston, TX 77027
- 70

WATER PLANT for 200 UNITS NICK PATEL
RV PARK- FORT BEND/BRAZORIA CO
ARCOLA DEVELOPMENT



FULCRUM

CONSULTING SERVICES

PLANNERS * ENGINEERS * ARCHITECTS

August 17, 2023

New Rodeo 288 LTD
1616 S. Voss Road, #618
Houston, Texas 77057

RE: Request for Service | TPDES Permit No. WQ0013367001

Dear Service Provider,

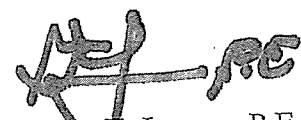
Our client is in the process of submitting a domestic wastewater permit application to the Texas Commission on Environmental Quality seeking authorization to permit and construct a new 25,000 gpd extended aeration plant to serve approximately 250 mobile home lots as part of a new development.

The proposed wastewater treatment facility will be constructed at a site located approximately 0.5 miles northwest of the intersection of Hwy 6 and Savana Parkway at the border of Fort Bend and Brazoria Counties. As per guidelines set forth by Texas Commission on Environmental Quality, applicants for a domestic wastewater permit are required to contact and request service from wastewater providers located within a three (3) mile radius location from the proposed wastewater facility.

This correspondence is being sent to determine if your facility has the ability for treating an additional 25,000 gpd of wastewater flows to be generated by the proposed development and your willingness to accept and treat the proposed wastewater flows.

Your response to this request is greatly appreciated. Should a response not be received in the next fourteen (14) days, we will consider this as a non-response and our client will move forward with submitting the domestic wastewater permit application to the Texas Commission on Environmental Quality. Thank you!

Best Regards,



George E. Lazaro, P.E.



FULCRUM CONSULTING SERVICES

PLANNERS * ENGINEERS * ARCHITECTS

August 17, 2023

Don 30 hours

City of Arcola
13222 Highway 6
Arcola, TX 77583

RE: Request for Service | TPDES Permit No. WQ0013367001

Dear Service Provider,

Our client is in the process of submitting a domestic wastewater permit application to the Texas Commission on Environmental Quality seeking authorization to permit and construct a new 25,000 gpd ~~extended aeration~~ *water plant* to serve approximately 250 mobile home lots as part of a new development. *Revs*

water The proposed wastewater treatment facility will be constructed at a site located approximately 0.5 miles northwest of the intersection of Hwy 6 and Savana Parkway at the border of Fort Bend and Brazoria Counties. As per guidelines set forth by Texas Commission on Environmental Quality, applicants for a domestic wastewater permit are required to contact and request service from wastewater providers located within a three (3) mile radius location from the proposed wastewater facility. *providing*

3-7 This correspondence is being sent to determine if your facility has the ability for ~~treating~~ *providing* an additional 25,000 gpd of wastewater flows to be generated by the proposed development and your willingness to accept and treat the proposed wastewater flows. *provide service*

Your response to this request is greatly appreciated. Should a response not be received in the next fourteen (14) days, we will consider this as a non-response and our client will move forward with submitting the domestic wastewater permit application to the Texas Commission on Environmental Quality. Thank you! *App for PWS*

Regards,

D. J. RE
ro, P.E.



FULCRUM

CONSULTING SERVICES

PLANNERS * ENGINEERS * ARCHITECTS

August 17, 2023

Brazoria County Municipal Utility District No. 29
3200 Southwest Freeway, Ste 2600
Houston, Texas 77027

RE: Request for Service | TPDES Permit No. WQ0013367001

Dear Service Provider,

Our client is in the process of submitting a domestic wastewater permit application to the Texas Commission on Environmental Quality seeking authorization to permit and construct a new 25,000 gpd extended aeration plant to serve approximately 250 mobile home lots as part of a new development.

The proposed wastewater treatment facility will be constructed at a site located approximately 0.5 miles northwest of the intersection of Hwy 6 and Savana Parkway at the border of Fort Bend and Brazoria Counties. As per guidelines set forth by Texas Commission on Environmental Quality, applicants for a domestic wastewater permit are required to contact and request service from wastewater providers located within a three (3) mile radius location from the proposed wastewater facility.

This correspondence is being sent to determine if your facility has the ability for treating an additional 25,000 gpd of wastewater flows to be generated by the proposed development and your willingness to accept and treat the proposed wastewater flows.

Your response to this request is greatly appreciated. Should a response not be received in the next fourteen (14) days, we will consider this as a non-response and our client will move forward with submitting the domestic wastewater permit application to the Texas Commission on Environmental Quality. Thank you!

Best Regards,



George E. Lazaro, P.E.



FULCRUM

CONSULTING SERVICES

PLANNERS * ENGINEERS * ARCHITECTS

August 17, 2023

Rancho La Fuente Partners LLC
3900 County Rd. 48 #3
Rosharon, Texas 77583

RE: Request for Service | TPDES Permit No. WQ0013367001

Dear Service Provider,

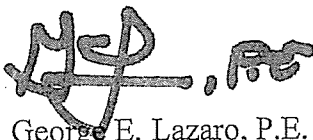
Our client is in the process of submitting a domestic wastewater permit application to the Texas Commission on Environmental Quality seeking authorization to permit and construct a new 25,000 gpd extended aeration plant to serve approximately 250 mobile home lots as part of a new development.

The proposed wastewater treatment facility will be constructed at a site located approximately 0.5 miles northwest of the intersection of Hwy 6 and Savana Parkway at the border of Fort Bend and Brazoria Counties. As per guidelines set forth by Texas Commission on Environmental Quality, applicants for a domestic wastewater permit are required to contact and request service from wastewater providers located within a three (3) mile radius location from the proposed wastewater facility.

This correspondence is being sent to determine if your facility has the ability for treating an additional 25,000 gpd of wastewater flows to be generated by the proposed development and your willingness to accept and treat the proposed wastewater flows.

Your response to this request is greatly appreciated. Should a response not be received in the next fourteen (14) days, we will consider this as a non-response and our client will move forward with submitting the domestic wastewater permit application to the Texas Commission on Environmental Quality. Thank you!

Best Regards,



George E. Lazaro, P.E.



FULCRUM

CONSULTING SERVICES

PLANNERS * ENGINEERS * ARCHITECTS

August 17, 2023

Charleston Municipal Utility District
20141 Schiel Rd
Cypress, Texas 77433

RE: Request for Service | TPDES Permit No. WQ0013367001

Dear Service Provider,

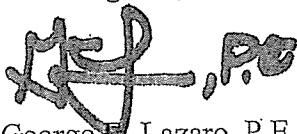
Our client is in the process of submitting a domestic wastewater permit application to the Texas Commission on Environmental Quality seeking authorization to permit and construct a new 25,000 gpd extended aeration plant to serve approximately 250 mobile home lots as part of a new development.

The proposed wastewater treatment facility will be constructed at a site located approximately 0.5 miles northwest of the intersection of Hwy 6 and Savana Parkway at the border of Fort Bend and Brazoria Counties. As per guidelines set forth by Texas Commission on Environmental Quality, applicants for a domestic wastewater permit are required to contact and request service from wastewater providers located within a three (3) mile radius location from the proposed wastewater facility.

This correspondence is being sent to determine if your facility has the ability for treating an additional 25,000 gpd of wastewater flows to be generated by the proposed development and your willingness to accept and treat the proposed wastewater flows.

Your response to this request is greatly appreciated. Should a response not be received in the next fourteen (14) days, we will consider this as a non-response and our client will move forward with submitting the domestic wastewater permit application to the Texas Commission on Environmental Quality. Thank you!

Best Regards,



George E. Lazaro, P.E.

**ARCOLA DEVELOPMENT, LLC.
AFFECTED LANDOWNERS DISK
EXHIBIT 16.**

Labels previously sent

+ pages added

May 9, 2025

GEORGE H NEILL & ASSOCIATES, INC

PO BOX 811 281 450 7647

ATHENS, TEXAS 75751 firm 2566

True

NOV 21, 2024

RE- ARCOLA DEVELOPMENT TPDES APP (reapplied)

MR MADRID TEAM LEADER

MUNICIPAL WASTEWATER APPLICATIONS MC 148

TCEQ WATER SUPPLY DIVN

PO BOX 13087

AUSTIN, TEXAS 78711-3087

PLEASE ACCEPT THESE ITEMS TO BE PLACED WITH APPLICATION PACKAGES SENT
EARLIER THIS WEEK REG MAIL AND email-

Check

1. ~~FLAT~~ DRIVE WITH CONTACT INFO FOR AFFECTED LANDOWNERS
2. USGS QUAD
3. HARD COPY OF THE CORE DATA FORM NOW INCLUDES PROPER WWTP
LOCATION COORDINATES
4. REVISED AFFECTED LANDOWNERS LIST AND MAP

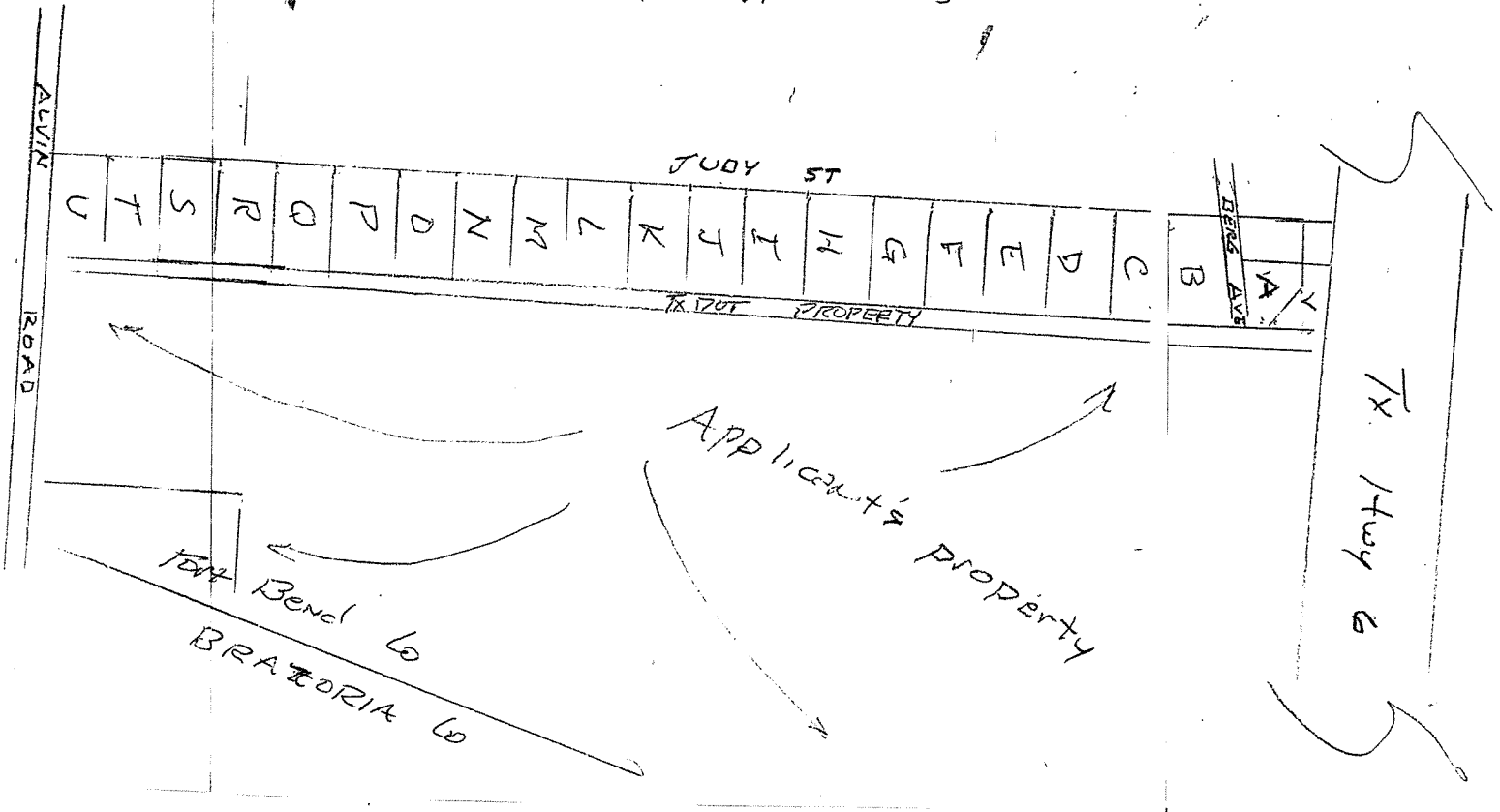
THANK YOU. PLEASE ACKNOWLEDGE RECEIPT

GEORGE H NEILL, PE

CC- NICK PATEL

George H Neill PE

Gulf View Acres



✓ 1
LEADWAY ESTATES LTD
1616 S VOSS RD
STE 618
HOUSTON, TX 77057-2620

✓ 9
FELIZ NEFALI AND SANTA REYES
3230 HOGAN DR
ROSHARON, TX 77583-3601

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HANNOVER ESTATES LTD
1616 VOSS RD STE 618
HOUSTON, TEXAS 77057-2650

✓ 2
JOSE DE JESUS VEGA
6202 HOGAN DR
ROSHARON, TX 77583-3601

✓ 10
RIGOBERTO ANAYA, JR
3008 HOGAN DR
ROSHARON, TX 77583

22
R AND M COMPEAN
1123 KATHY
ROSHARON, TEXAS 77583

✓ 3
JOSE DE JESUS VEGA
6202 HOGAN DR
ROSHARON, TX 77582 -36

✓ 11
DAVID DAQUELIN BORJAS
1000 LOOP DR
ROSHARON, TX 77583

23
G MOSCOT
1207 KATHY
ROSHARON, TEXAS 77583

✓ 4
JOSE DE JESUS VEGA
6202 HOGAN DR
ROSHARON, TX 77582 -36

✓ 12
SEC GLOBAL ASSETS LLC
P.O. BOX 3818
PEARLAND, TX 77558-2818

24
D & D VALUSEK
COUNTY ROAD 65
ROSHARON, TEXAS 75783

✓ 5
JOSE DE JESUS VEGA
6202 HOGAN DR
ROSHARON, TX 77582 -3601

✓ 13
MIGUEL VEGA
14219 BUFFALO SPEEDWAY
HOUSTON, TX 77045-5709

25
L. RODRIQUEZ
6014 MARTHA
ROSHARON, TEXAS 77583

✓ 5
JOSE DE JESUS VEGA AND LUCIA VASQUEZ
6202 HOGAN DR
ROSHARON, TX 77583-3601

✓ 14
MIGUEL VEGA
14219 BUFFALO SPEEDWAY
HOUSTON, TX 77045-5709

26 & 27
CFJ AGUILAR
600 MARTHA
ROSHARON, TEXAS 77583

✓ 6
JUAN CARLOS RODRIGUEZ-CARRIZALES AND
MARIA ESPERANZA RAMIREZ
5403 VICTORIA DR
ROSHARON, TX 77583-2207

✓ 15
MIGUEL VEGA
14219 BUFFALO SPEEDWAY
HOUSTON, TX 77045-5709

28
T ALEJANDRINA
MARTHA ROAD
ROSHARON, TEXAS 75783

✓ 7
MARIBEL ANAYA
6302 HOGAN DR
ROSHARON, TX 77583-3606

✓ 16
JOSE D VEGA
6202 HOGAN DR
ROSHARON, TX 77583

29
Q NALLEY
5920 MARTHA
ROSHARON, TEXAS 77583

✓ 8
MARIBEL ANAYA
6302 HOGAN DR
ROSHARON, TX 77583-3606

✓ 17
CENTERPOINT ENERGY INC.
PACIFIC OPERATIONS
P.O. BOX 1475
HOUSTON, TX 77251-1425

32, 31, 30
A & M CORONADO
5910 MARTHA
ROSHARON, TEXAS 77583

✓ 12
HERITAGE HOMES OF TEXAS
BRAZORIA COUNTY ROAD 574
ROSHARON, TEXAS 77583

✓ 19 & 20
LEADWAY ESTATES LTD
1616 S VOSS RD STE 618
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33
STATE OF TEXAS
HWY 6
ROSHARON, TEXAS 77583

J G & E OMELAS 34
6114 HOGAN
ROSHARON, TEXAS 77583

EO & NK GUEVERA 35
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ROSHARON, TEXAS 77583

H C & G S ORTEGA 36
6106 HOGAN L
ROSHARON, TEXAS 77583

A & M TONOCO 37
1103 KATHY
ROSHARON, TEXAS 77583

TRISTAN BEMITA 38 & 39
1103 KATHY
ROSHARON, TEXAS 77583

LOUIS GONZALEZ 40 & 41
1111 KATHY
ROSHARON, TEXAS 77583

H & A RUIZ 42
1119 KATHY
ROSHARON, TEXAS 77583

R & M COPEAN
1123 KATHY 43
ROSHARON, TEXAS 77583

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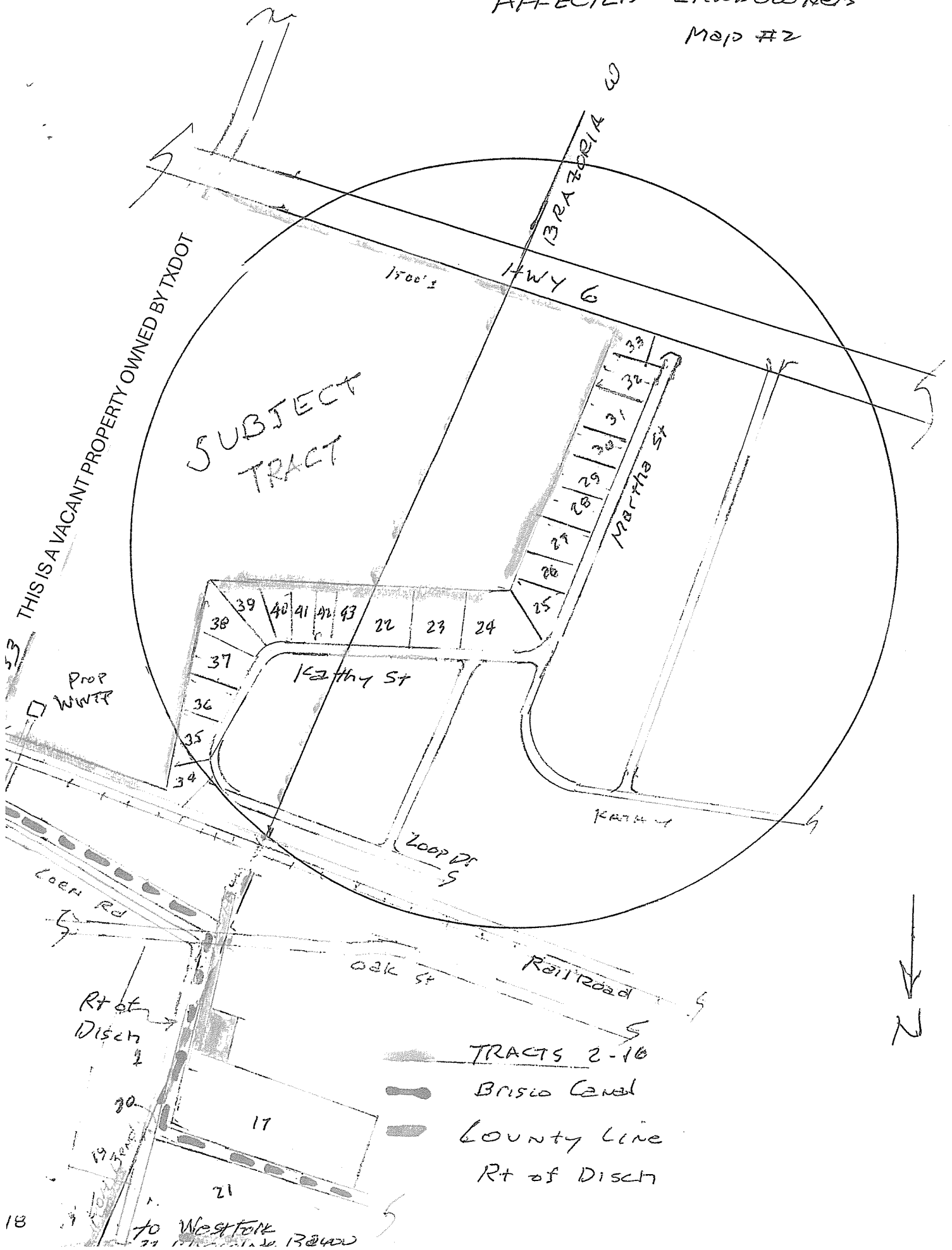
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AFFECTED LANDOWNERS
Map #2



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ROSHARON, TEXAS 77583

A SERIES 20 OF K&T TRINITY
14350 HWY 6
ROSHARON, TX 77583

B MARIA SOTELO
1314 AVE C
ROSHARON, TX 77583

C JAC GARCIA
no number JUDY ST
ROSHARON, TX 77583

D C & C ARACELI
5801 JUDY ST
ROSHARON, TX 77583

E & F
D & L M MENJIVAR
no number JUDY ST
ROSHARON, TX 77583

G
J L & A HERNANDEZ
5811 JUDY ST
ROSHARON, TX 77583

H
SHANE'S DREAM INVESTMENTS
5815 JUDY ST
ROSHARON, TX 77583

I & L
DEL REG LLC
no number JUDY ST
ROSHARON, TX 77583

J
FORT BEND COUNTY
TEXAS AVE
ROSHARON, TX 77583

K
R I & JOSE UMANA
5907 JUDY ST
ROSHARON, TX 77583

M
I & E ALEMON
5911 JUDY ST
ROSHARON, TX 77583

N
JOE MEDINA
no name JUDY ST
ROSHARON, TX 77583

O
LORENA CABALLERO
12807 ALBROSE ST
ROSHARON, TX 77583

P & Q
ARTRUDO PEREZ-VERA
6007 JUDY ST
ROSHARON, TX 77583

R
J O ESTRADA
6007 JUDY ST
ROSHARON, TX 77583

S
J & S BARRARA
6007 JUDY ST
ROSHARON, TX 77583

T
SANDRA SCHVIDON
6015 JUDY ST
ROSHARON, TX 77583

U
ANDRES RODRIQUEZ
6019 JUDY ST
ROSHARON, TX 77583

FORT BEND COUNTY CAD COULD
NOT PROVIDE SEVERAL STREET
NUMBERS ON JUDY ST

TRACT V LISTS AS STATE OF TEXAS

SERIES 20 OF K&T TRINITY
14350 HWY 6
ROSHARON, TX 77583

MARIA SOTELO
1314 AVE C
ROSHARON, TX 77583

JAC GARCIA
no number JUDY ST
ROSHARON, TX 77583

C & C ARACELI
5801 JUDY ST
ROSHARON, TX 77583

D & L M MENJIVAR
no number JUDY ST
ROSHARON, TX 77583

J L & A HERNANDEZ
5811 JUDY ST
ROSHARON, TX 77583

SHANE'S DREAM INVESTMENTS
5815 JUDY ST
ROSHARON, TX 77583

DEL REG LLC
no number JUDY ST
ROSHARON, TX 77583

FORT BEND COUNTY
TEXAS AVE
ROSHARON, TX 77583

R I & JOSE UMANA
5907 JUDY ST
ROSHARON, TX 77583

I & E ALEMON
5911 JUDY ST
ROSHARON, TX 77583

JOE MEDINA
no name JUDY ST
ROSHARON, TX 77583

LORENA CABALLERO
12807 ALBROSE ST
ROSHARON, TX 77583

ARTRUDO PEREZ-VERA
6007 JUDY ST
ROSHARON, TX 77583

J O ESTRADA
6007 JUDY ST
ROSHARON, TX 77583

J & S BARRARA
6007 JUDY ST
ROSHARON, TX 77583

SANDRA SCHVIDON
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ANDRES RODRIQUEZ
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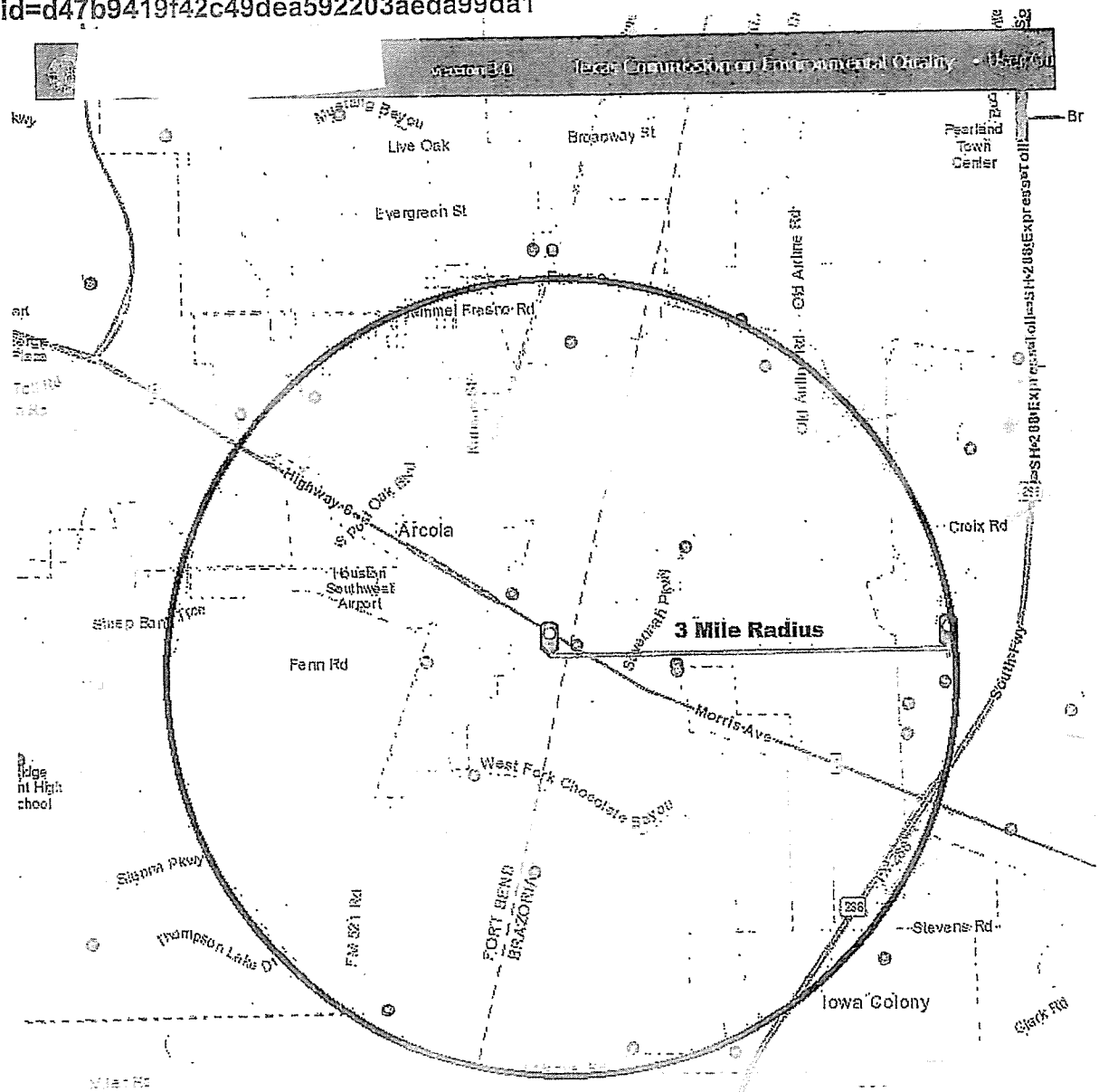
ANDRES RODRIQUEZ
6019 JUDY ST
ROSHARON, TX 77583

**ARCOLA DEVELOPMENT, LLC.
TOPOGRAPHIC MAP
EXHIBIT 17.**

Legend:

- (N.E.) - NORTH EAST
- (S.W.) - SOUTH WEST
- (E) - EAST
- (W) - WEST
- (N) - NORTH
- (S) - SOUTH
- (NE) - NORTH EAST
- (SE) - SOUTH EAST
- (SW) - SOUTH WEST
- (NW) - NORTH WEST
- (N.E.S.D.) - NORTH EAST SURVEY DISTRICT
- (S.W.S.D.) - SOUTH WEST SURVEY DISTRICT
- (E.S.D.) - EAST SURVEY DISTRICT
- (W.S.D.) - WEST SURVEY DISTRICT
- (N.S.D.) - NORTH SURVEY DISTRICT
- (S.S.D.) - SOUTH SURVEY DISTRICT
- (N.E.S.D.) - NORTH EAST SURVEY DISTRICT
- (S.W.S.D.) - SOUTH WEST SURVEY DISTRICT
- (E.S.D.) - EAST SURVEY DISTRICT
- (W.S.D.) - WEST SURVEY DISTRICT
- (N.S.D.) - NORTH SURVEY DISTRICT
- (S.S.D.) - SOUTH SURVEY DISTRICT

SOURCE DATA: <https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=d47b9419f42c49dea592203aeda99da1>



MAP OF DOMESTIC PERMITTED WASTEWATER TREATMENT FACILITIES OR COLLECTION SYSTEMS WITHIN A THREE MILE RADIUS OF PROPOSED WASTEWATER TREATMENT FACILITY

WATER PLANT for 200 UNITS JACK PATEL

RV PARK- FORT BEND/BRAZORIA CO

ARCOLA DEVELOPMENT

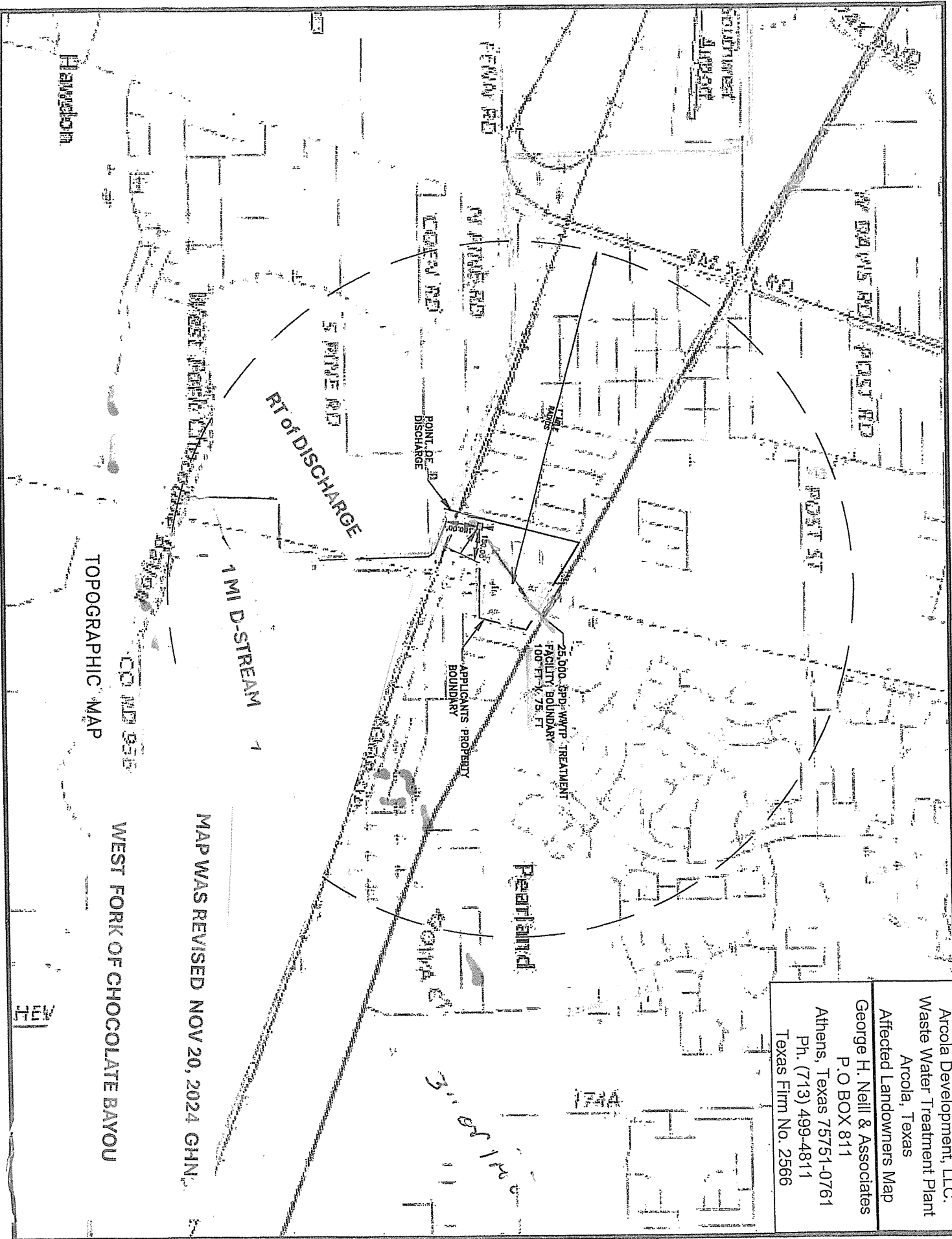
$$2.5'' = 3 \text{ miles}$$

$$1'' = \frac{3}{2.5} = 1.2 \text{ miles}$$

ARCOLA DEVELOPMENT, LLC.

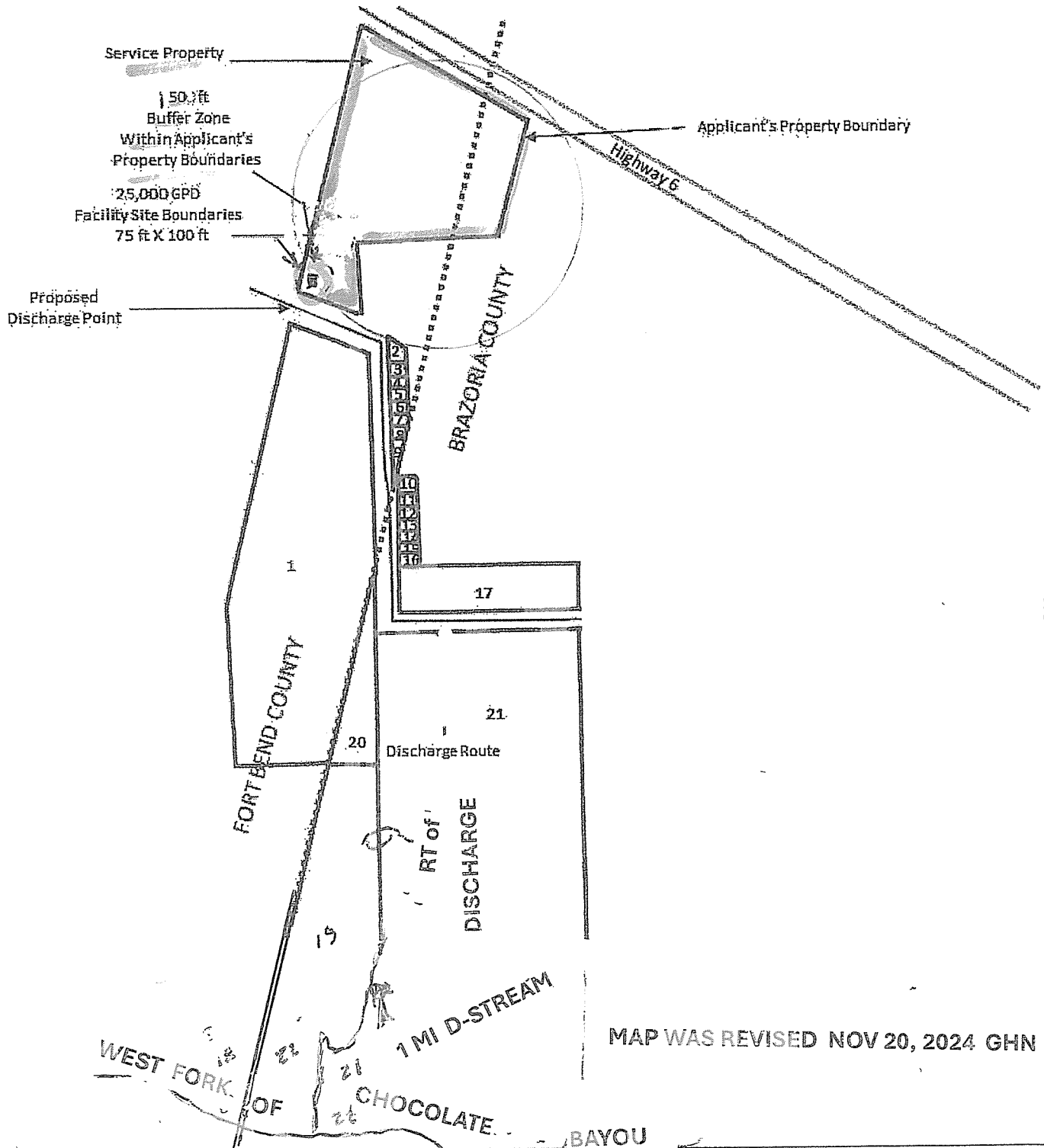
DISCHARGE ROUTE

EXHIBIT 18



Arcola Development, LLC.
Waste Water Treatment Plant
Arcola, Texas
Affected Landowners Map
George H. Neill & Associates
P.O. BOX 811
Athens, Texas 75751-0761
Ph. (713) 499-4811
Texas Firm No. 2566

AFFECTED LANDOWNERS MAP #1



MAP WAS REVISED NOV 20, 2024 GHN

Date August 2, 2023
Drawn By FCS
Scale 1:1000

George H. Neil & Associates
PO Box 811
Athens, Texas 75751-0761
Ph. (713) 499-4811
Texas Firm No. 2566

Stanford Mobile Home Park, Inc.
Waste Water Treatment Plan
Arcola, Texas
Affected Landowners Map

Exhibit III