



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, el Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
 - Inglés
 - Idioma alternativo (español)
3. Solicitud original

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.

The Town of Northlake (CN600702799) operates the Catherine Branch Water Resource Recovery Facility (RN111244950). an activated sludge process plant operated in the single-stage nitrification in the complete mix mode. The facility is located approximately 2,000 feet northwest of the intersection of Dale Earnhart Way and Interstate Highway 35, in Northlake, Denton County, Texas 76247.

The application is for a permit amendment to increase to the daily average discharge flow not to exceed 750,000 gallons per day of treated domestic wastewater via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids, ammonia nitrogen, and E. coli. Additional pollutants are included in the Domestic Technical Report 1.0 Section 7. Pollutant Analysis of Treated Effluent and Domestic Technical Report Worksheet 4 in the application package. Domestic wastewater is treated by an activated sludge process plant and treatment units include aeration basins, clarifiers, sludge digesters, and chlorine contact basins for disinfection.

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.

The Town of Northlake (CN600702799) opera la Catherine Branch Water Resource Recovery Facility (RN111244950). Una planta de procesamiento de lodos activados operó en la nitrificación de una sola etapa en el modo de mezcla completa. La instalación está ubicada aproximadamente a 2,000 pies al noroeste de la intersección de Dale Earnhart Way y la autopista interestatal 35, en Northlake, condado de Denton, Texas 76247.

La solicitud es para una enmienda de permiso para aumentar el flujo de descarga promedio diario que no exceda los 750,000 galones por día de aguas residuales domésticas tratadas a través del emisario 001.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 del Informe Técnico Nacional 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados en el paquete de solicitud de permisos. Las aguas residuales domésticas son tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluyen cuencas de aireación, clarificadores, digestores de lodos y cuencas de contacto con cloro para su desinfección.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0015980001

APPLICATION. Town of Northlake, 1500 Commons Circle, Suite 300, Northlake, Texas, 76226, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015980001 (EPA I.D. No. TX0141151) to authorize an increase in the discharge of treated wastewater to a volume not to exceed a daily average flow of 750,000 gallons per day. The domestic wastewater treatment facility is located approximately 2,000 feet northwest of the intersection of Dale Earnhardt Way and Interstate Highway 35 West, near the city of Northlake, in Denton County, Texas 76247. The discharge route is from the plant site to Catherine Branch; thence to Denton Creek; thence to Grapevine Lake. TCEQ received this application on June 11, 2024. The permit application will be available for viewing and copying at Northlake Town Hall, Suite 300, 1500 Commons Circle, Northlake, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.262777,33.046944&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 Town of Northlake at the address stated above or by calling Mr. Eric Tamayo, Public Works Director, at (940) 242-5704.

Issuance Date: July 25, 2024

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO NO. WQ0015980001

SOLICITUD. Town of Northlake, 1500 Commons Circle, Suite 300, Northlake, Texas 76226 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0015980001 (EPA I.D. No. TX 0141151) 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 750,000 galones por día. La planta está ubicada aproximadamente a 2,000 pies al noroeste de la intersección de Dale Earnhardt Way y Interstate Highway 35 West en el Condado de Denton, Texas 76247. La ruta de descarga estara del sitio de la planta a Catherine Branch; de ahí a Denton Creek; de ahí a Grapevine Lake. La TCEQ recibió esta solicitud el 11 de junio, 2024. La solicitud de permiso está disponible para ver y copiar en Northlake Town Hall, 1500 Commons Circle, Suite 300, Northlake Texas. 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=-97.262777,33.046944&level=18>

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida**

directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

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

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

CONTACTOS E INFORMACIÓN 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 Town of Northlake a la dirección indicada arriba o llamando a Mr. Eric Tamayo, Public Works Director al (940)242-5704.

Fecha de emisión 25 de julio de 2024

Abesha Michael

From: Janet Sims <Janet.Sims@meadhunt.com>

Sent: Thursday, June 20, 2024 9:33 AM

To: Abesha Michael <Abesha.Michael@tceq.texas.gov>

Cc: etamayo@town.northlake.tx.us; Dillard, Preston <pdillard@halff.com>

Subject: RE: Application to Amend Permit No. WQ0015980001 - Notice of Deficiency Letter

Abesha,

The Notice of Deficiency letter dated June 19, 2024, has been reviewed.

Attached are the items requested in your letter.

1. Revised Administrative report page 9 – Section 10, item B has been completed. The description of the discharge route has been provided.
2. Portion of the NORI – The portion of the NORI has been reviewed. The word “Branch” is misspelled in the third sentence. No other errors or omissions were found.
3. Spanish translation of the NORI – See attached.

If you have any additional comments, please do not hesitate to contact me.

Thank you for your help with this application.

Sincerely,

Janet

Janet Sims

Senior Project Manager | Water/Wastewater

Direct: 512-735-1001 | Cell: 512-695-2468 | Transfer Files

Mead&Hunt

LinkedIn | Facebook | Instagram

From: Abesha Michael <Abesha.Michael@tceq.texas.gov>

Sent: Wednesday, June 19, 2024 4:48 PM

To: etamayo@town.northlake.tx.us

Cc: Janet Sims <Janet.Sims@meadhunt.com>

Subject: Application to Amend Permit No. WQ0015980001 - Notice of Deficiency Letter

Dear Mr. Tamayo:

The attached Notice of Deficiency letter sent on June 19, 2024, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by July 3, 2024.

Thank you,



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

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

This email, including any attachments, is intended only for the use of the recipient(s) and may contain privileged and confidential information, including information protected under the HIPAA privacy rules. Any unauthorized review, disclosure, copying, distribution or use is prohibited. If you received this email by mistake, please notify us by reply e-mail and destroy all copies of the original message.

Phone No.: [REDACTED] E-mail Address: [REDACTED]

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: [REDACTED]

Mailing Address: [REDACTED]

City, State, Zip Code: [REDACTED]

Phone No.: [REDACTED] E-mail Address: [REDACTED]

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: [REDACTED]

Section 10. TPDES Discharge Information (Instructions Page 34)

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

☒ Yes ☐ No

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

[REDACTED]

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

☒ Yes ☐ No

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

The discharge is from the Catherine Branch Water Resource Recovery Facility to Catherine Branch, thence to Denton Creek, thence to Grapevine Lake in Segment No. 0826 of the Trinity River Basin.

City nearest the outfall(s): Town of Northlake

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

Outfall Latitude: 33.046668

Longitude: -97.263203

- 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?

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO NO. WQ00_____

SOLICITUD. Town of Northlake, 1500 Commons Circle, Suite 300, Northlake, Texas 76226 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0015980001 (EPA I.D. No. TX 0141151) 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 750,000 galones por día y suprimir dos fases intermedias. La planta está ubicada aproximadamente a 2,000 pies al noroeste de la intersección de Dale Earnhardt Way y Interstate Highway 35 West en el Condado de Denton, Texas 76247. La ruta de descarga estara del sitio de la planta a Catherine Branch; de ahí a Denton Creek; de ahí a Grapevine Lake. La TCEQ recibió esta solicitud el 11 de junio, 2024. La solicitud de permiso está disponible para ver y copiar en Northlake Town Hall, 1500 Commons Circle, Suite 300, Northlake Texas. 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=-97.262777,33.046944&level=18>

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

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

lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.

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

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

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

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

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

CONTACTOS E INFORMACIÓN 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 Town of Northlake a la dirección indicada arriba o llamando a Mr. Eric Tamayo, Public Works Director al (940)242-5704.

Fecha de emisión _____ *[Date notice issued]*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT: Town of Northlake

PERMIT NUMBER: WQ0015980001

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

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

For TCEQ Use Only

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

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

EPAY Voucher Number: **708799, 708800**

Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 29)

- | | |
|---|---|
| <input type="checkbox"/> New TPDES | <input type="checkbox"/> New TLAP |
| <input checked="" type="checkbox"/> Major Amendment <u>with</u> Renewal | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal |
| <input type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input type="checkbox"/> Renewal without changes | <input type="checkbox"/> Minor Modification of permit |

For amendments or modifications, describe the proposed changes: **The proposed amendment is to increase the discharge flows and delete two interim phases.**

For existing permits:

Permit Number: WQ00**15980001**

EPA I.D. (TPDES only): TX**0141151**

Expiration Date: **May 9, 2028**

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number: 708799
Trace Number: 582EA000613464
Date: 06/10/2024 02:26 PM
Payment Method: CC - Authorization 000001060C
Voucher Amount: \$1,600.00
Fee Type: WW PERMIT - FACILITY WITH FLOW >= .50 & < 1.0 MGD - NEW AND MAJOR AMENDMENTS
ePay Actor: ERIC TAMAYO

Payment Contact Information

Name: ERIC TAMAYO
Company: TOWN OF NORTHLAKE
Address: 1500 COMMONS CIRCLE SUITE 300, NORTHLAKE, TX 76226
Phone: 940-242-5704

Site Information

Site Name: CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
Site Address: 3441 CATHERINE BRANCE CIRCLE, NORTHLAKE, TX 76262
Site Location: 2 000 FEET NORTHWEST OF THE INTERSECTION OF DALE EARNHARDT WAY AND INTERSTATE HI

Customer Information

Customer Name: TOWN OF NORTHLAKE
Customer Address: 1500 COMMONS CIRCLE SUITE 300, NORTHLAKE, TX 76226

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	708800
Trace Number:	582EA000613464
Date:	06/10/2024 02:26 PM
Payment Method:	CC - Authorization 000001060C
Voucher Amount:	\$50.00
Fee Type:	30 TAC 305.53B WQ NOTIFICATION FEE
ePay Actor:	ERIC TAMAYO

Payment Contact Information

Name:	ERIC TAMAYO
Company:	TOWN OF NORTHLAKE
Address:	1500 COMMONS CIRCLE SUITE 300, NORTHLAKE, TX 76226
Phone:	940-242-5704

Section 3. Facility Owner (Applicant) and Co-Applciant 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?

Town of Northlake

(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: 600702799

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: Brian Montini

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

Title: Mayor

B. Co-applciant 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-applciant 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-applciant 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:

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):

First and Last Name:

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

Title:

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

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: A

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: Eric Tamayo

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

Title: Public Works Director

Organization Name: Town of Northlake

Mailing Address: 1400 FM 407

City, State, Zip Code: Northlake, Texas 76247

Phone No.: (940) 242-5704 Ext.:

Fax No.:

E-mail Address: etamayo@town.northlake.tx.us

Check one or both: ☒ Administrative Contact

☒ Technical Contact

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

First and Last Name: Janet Sims

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

Title: Project Manager

Organization Name: Mead & Hunt

Mailing Address: 8217 Shoal Creek Boulevard, Suite 203

City, State, Zip Code: Austin, Texas 78757

Phone No.: (512) 735-1001 Ext.:

Fax No.:

E-mail Address: Janet.Sims@meadhunt.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: **Brian Montini**

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

Title: **Mayor**

Organization Name: **Town of Northlake**

Mailing Address: **1500 Commons Circle, Suite 300**

City, State, Zip Code: **Northlake, Texas 76226**

Phone No.: **(940) 648-3290** Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: **drettig@town.northlake.tx.us**

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

First and Last Name: **Drew Corn**

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

Title: **Town Administrator**

Organization Name: **Town of Northlake**

Mailing Address: **1500 Commons Circle, Suite 300**

City, State, Zip Code: **Northlake, Texas 76226**

Phone No.: **(940) 648-3290** Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: **dcorn@town.northlake.tx.us**

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: **Eric Tamayo**

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

Title: **Public Works Director**

Organization Name: **Town of Northlake**

Mailing Address: **1400 FM 407**

City, State, Zip Code: **Northlake, Texas 76247**

Phone No.: **(940) 242-5704** Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: **etamayo@town.northlake.tx.us**

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: Eric Tamayo

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

Title: Public Works Director

Organization Name: Town of Northlake

Mailing Address: 1400 FM 407

City, State, Zip Code: Northlake, Texas 76247

Phone No.: (940) 242-5704 Ext.:

Fax No.:

E-mail Address: etamayo@town.northlake.tx.us

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): Ms.

First and Last Name: Zolaina Parker

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

Title: Town Secretary

Organization Name: Town of Northlake

Mailing Address: 1500 Commons Circle, Suite 300

City, State, Zip Code: Northlake, Texas 76226

Phone No.: (940) 242-5702 Ext.:

Fax No.:

E-mail Address: zparker@town.northlake.tx.us

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: Eric Tamayo

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

Title: Public Works Director

Organization Name: Town of Northlake

Phone No.: (940) 242-5704 Ext.:

E-mail: etamayo@town.northlake.tx.us

D. Public Viewing Information

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

Public building name: Northlake Town Hall

Location within the building: Suite 300

Physical Address of Building: 1500 Commons Circle

City: Northlake

County: Denton

Contact Name: Zolaina Parker

Phone No.: (940) 242-5702 Ext.:

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: **B**

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. **RN11244950**

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):

Catherine Branch Water Resource Recovery Facility

- C. Owner of treatment facility: **Town of Northlake**

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

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

Prefix (Mr., Ms., Miss):

First and Last Name: **Northlake 35 Logistics Park LLC (c/o Doug Johnson)**

Mailing Address: **5440 Harvest Hill Road, Suite 250**

City, State, Zip Code: **Dallas, Texas 75230**

Phone No.: **(972) 849-4009**

E-mail Address: **Doug.Johnson@txcomdev.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: **C**

- E. Owner of effluent disposal site:

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

First and Last Name:

Mailing Address:

City, State, Zip Code:



Phone No.: [REDACTED] E-mail Address: [REDACTED]

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: [REDACTED]

Mailing Address: [REDACTED]

City, State, Zip Code: [REDACTED]

Phone No.: [REDACTED] E-mail Address: [REDACTED]

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: [REDACTED]

Section 10. TPDES Discharge Information (Instructions Page 34)

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

☒ Yes ☐ No

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

[REDACTED]

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

☒ Yes ☐ No

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

[REDACTED]

City nearest the outfall(s): Town of Northlake

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

Outfall Latitude: 33.046668

Longitude: -97.263203

- 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 N/A

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

- B. City nearest the disposal site:

- C. County in which the disposal site is located:

- D. Disposal Site Latitude: Longitude:

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

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

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.

- 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:

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

☐ Yes ☒ No

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

Account number:

Amount past due:

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

☐ Yes ☒ No

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

Enforcement order number:

Amount past due:

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: No other attachments

Attachment

- A. Core Data Form
- B. Public Involvement Plan
- C. Lease Agreement
- D. USGS Map
- E. Affected Landowner Information
- F. Original Photographs
- G. Buffer Zone Map
- H. Treatment Process Description
- I. Treatment Unit List
- J. Process Flow Diagram
- K. Site Drawing
- L. Justification for Permit
- M. Nearby Collection System
- N. Design Calculation and Plant Features
- O. Windrose
- P. Sewage Sludge Solids Management Plan

Section 14. Signature Page (Instructions Page 39)

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

Permit Number: WQ0015980001

Applicant: Town of Northlake

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.

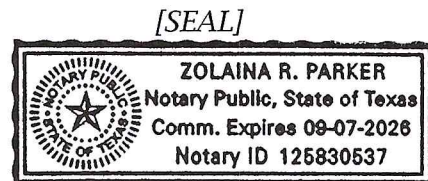
Signatory name (typed or printed): Brian Montini

Signatory title: Mayor

Signature: [Signature] Date: 05/23/2024
(Use blue ink)

Subscribed and Sworn to before me by the said Brian Montini
on this 23rd day of May, 20 24.
My commission expires on the 7th day of Sept., 20 26.

[Signature]
Notary Public
Denton
County, Texas



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.

The Town of Northlake (CN600702799) operates the Catherine Branch Water Resource Recovery Facility (RN111244950). an activated sludge process plant operated in the single-stage nitrification in the complete mix mode. The facility is located approximately 2,000 feet northwest of the intersection of Dale Earnhart Way and Interstate Highway 35, in Northlake, Denton County, Texas 76247.

The application is for a permit amendment to increase to the daily average discharge flow not to exceed 750,000 gallons per day of treated domestic wastewater via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids, ammonia nitrogen, and E. coli. Additional pollutants are included in the Domestic Technical Report 1.0 Section 7. Pollutant Analysis of Treated Effluent and Domestic Technical Report Worksheet 4 in the application package. Domestic wastewater is treated by an activated sludge process plant and treatment units include aeration basins, clarifiers, sludge digesters, and chlorine contact basins for disinfection.

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.

The Town of Northlake (CN600702799) opera la Catherine Branch Water Resource Recovery Facility (RN111244950). Una planta de procesamiento de lodos activados operó en la nitrificación de una sola etapa en el modo de mezcla completa. La instalación está ubicada aproximadamente a 2,000 pies al noroeste de la intersección de Dale Earnhart Way y la autopista interestatal 35, en Northlake, condado de Denton, Texas 76247.

La solicitud es para una enmienda de permiso para aumentar el flujo de descarga promedio diario que no exceda los 750,000 galones por día de aguas residuales domésticas tratadas a través del emisario 001.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 del Informe Técnico Nacional 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados en el paquete de solicitud de permisos. Las aguas residuales domésticas son tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluyen cuencas de aireación, clarificadores, digestores de lodos y cuencas de contacto con cloro para su desinfección.

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 Attachment E.**
- ☒ The applicant's property boundaries
 - ☒ The facility site boundaries within the applicant's property boundaries
 - ☒ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☐ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark in which format the landowners list is submitted:
- ☐ USB Drive
 - ☒ Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses: **Denton Central Appraisal District**
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- ☐ Yes
 - ☒ No

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

Section 2. Original Photographs (Instructions Page 44)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided. **See Attachment F.**

- ☒ 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.

- The applicant's property boundary; **See Attachment G.**
- 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

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: **Town of Northlake**

Permit No. WQ00 **15980001**

EPA ID No. TX **0141151**

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

The proposed Catherine Branch Water Resource Recovery Facility is located approximately 2000 feet northwest of the intersection of Interstate Highway 35W and Dale Earnhardt Way in Denton County, Texas near Town of Northlake.

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

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

First and Last Name: Eric Tamayo

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

Title: Public Works Director

Mailing Address: 1400 FM 407

City, State, Zip Code: Northlake, Texas 76247

Phone No.: (940) 242-5704 Ext.:

Fax No.:

E-mail Address: etamayo@town.northlake.tx.us

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

The property is not a publicly owned.

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.

The discharge is to Catherine Branch, thence to Denton Creek, thence to Grapevine Lake in Segment No. 0826 of the Trinity River Basin.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report). **See SPIF-1 and SPIF-2.**

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

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

- ☒ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☒ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

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

The proposed construction will be conducted on 1.5 acres of land with the deepest excavation approximately 30 feet deep.

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

The site is currently undergoing construction of new development.

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:

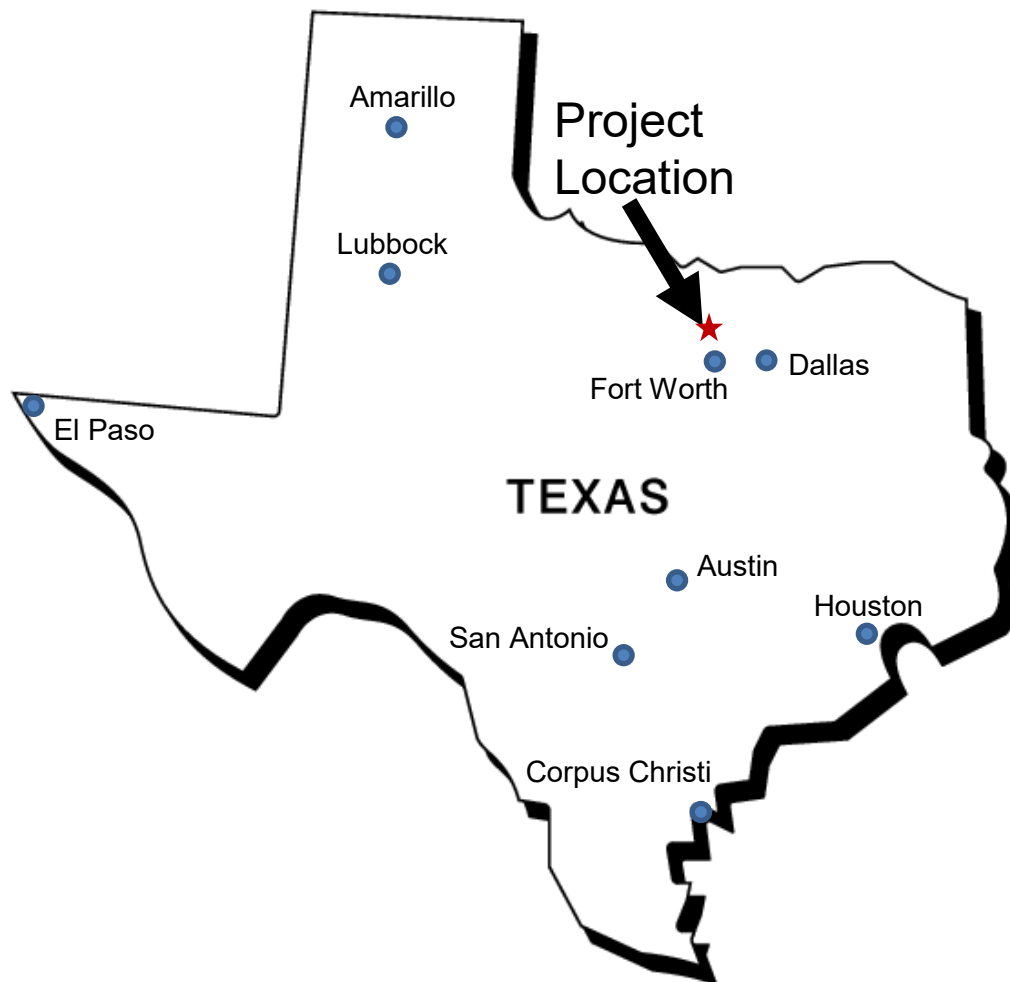
No buildings or structures are currently on the property.

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

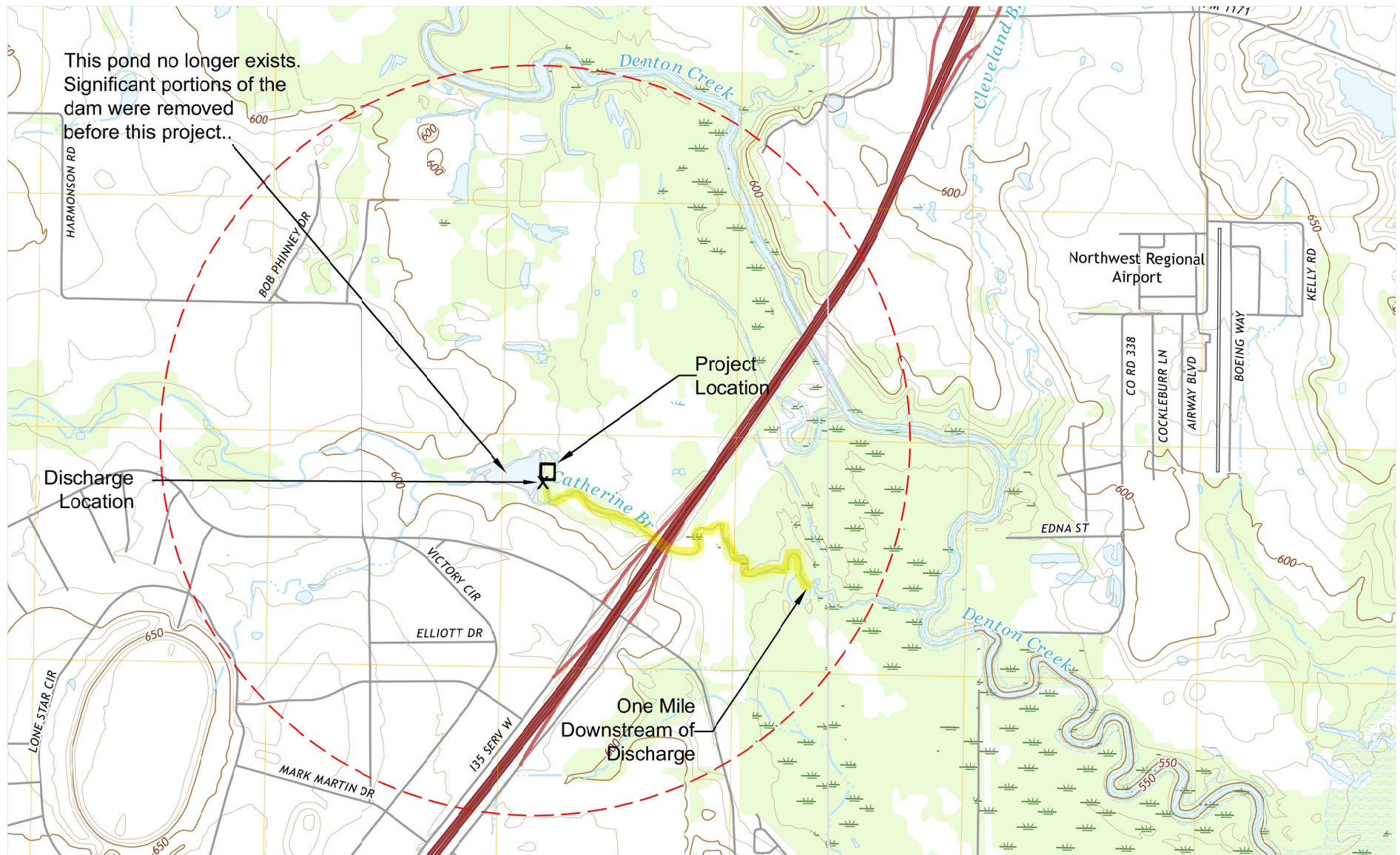
Prior to recent development of the property, it was ranchland.

Supplemental Permit Information Form

- **SPIF-1 General Location Map**
 - **SPIF-2 USGS Map**



SPIF-1
TOWN OF NORTHLAKE – CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
GENERAL LOCATION MAP



SPIF 2
TOWN OF NORTHLAKE - CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
USGS MAP

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: WQ0015980001

1. Check or Money Order Number:
2. Check or Money Order Amount:
3. Date of Check or Money Order:
4. Name on Check or Money Order:

5. APPLICATION INFORMATION

Name of Project or Site: Catherine Branch Water Resource Recovery Facility

Physical Address of Project or Site: 2,000 feet northwest of the intersection of Dale Earnhardt Way and Interstate Highway 35 West, in Denton County, Texas 76247

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

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)



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): 0.125

2-Hr Peak Flow (MGD): 0.500

Estimated construction start date: 2023

Estimated waste disposal start date: 7/2024

B. Interim II Phase

Design Flow (MGD): 0.500

2-Hr Peak Flow (MGD): 2.0

Estimated construction start date: 10/2024

Estimated waste disposal start date: 6/2025

C. Final Phase

Design Flow (MGD): 0.750

2-Hr Peak Flow (MGD): 3.0

Estimated construction start date: 4/2025

Estimated waste disposal start date: 6/2026

D. Current operating phase: Currently under construction

Provide the startup date of the facility:

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:

See Attachment H.

Port or pipe diameter at the discharge point, in inches: 24

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)
See Attachment I.		

C. Process flow diagrams

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

Attachment: J

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: K

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

The area served by the treatment facility is Northlake 35 Logistics Park and other southern portions of the Town of Northlake.

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.

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.

--

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: 5/4/2022

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

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.

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*.

No action has been taken in response to submission of summary transmittal letters for Interim II and Final phases. Interim I phase is not complete. Therefore, the notification of completion form for Interim I phase has not been submitted. Prior to construction and completion of the future phases, the permittee will submit the appropriate notifications.

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.

3. Grit disposal

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

Yes ☐ No ☐

If No, contact the TCEQ Municipal Solid Waste team at 512-239-0000. 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.

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.

E. Stormwater management

1. Applicability

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

Yes ☐ No ☒

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

Yes ☐ No ☒

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

2. MSGP coverage

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

Yes ☐ No ☐

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

TXR05 or TXRNE

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

Yes ☐ No ☐

3. Conditional exclusion

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

Yes ☐ No ☐

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

<div></div>

4. Existing coverage in individual permit

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

Yes ☐ No ☐

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

5. Zero stormwater discharge

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

Yes ☐ No ☐

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

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

6. Request for coverage in individual permit

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

Yes ☐ No ☐

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

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

Yes ☐ No ☒

If yes, 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.

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.

--

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.

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.

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					
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)					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

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					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name:

Robert Doughty Nicholas Bozzarello

Facility Operator's License Classification and Level:

WWOL C WWOL C

Facility Operator's License Number:

WW0065377 WW0065591

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.**

TCEQ permit or registration number: **To be determined.**

County where disposal site is located: **To be determined.**

C. Sludge transportation method

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

Name of the hauler: **To be determined.**

Hauler registration number: **To be determined.**

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 ☐

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

Yes ☐ No ☐

B. Sludge processing authorization

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

Sludge Composting Yes ☐ No ☒

Marketing and Distribution of sludge Yes ☐ No ☒

Sludge Surface Disposal or Sludge Monofill Yes ☐ No ☒

Temporary storage in sludge lagoons Yes ☐ No ☒

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

Yes ☐ No ☐

Section 11. Sewage Sludge Lagoons (Instructions Page 61)

Does this facility include sewage sludge lagoons?

Yes ☐ No ☒

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

A. Location information

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

- Original General Highway (County) Map:

Attachment:

- USDA Natural Resources Conservation Service Soil Map:

Attachment:

- Federal Emergency Management Map:

Attachment:

- Site map:

Attachment:

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

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

Attachment:

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:

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:

Total Kjeldahl Nitrogen, mg/kg:

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

Phosphorus, mg/kg:

Potassium, mg/kg:

pH, standard units:

Ammonia Nitrogen mg/kg:

Arsenic:

Cadmium:

Chromium:

Copper:

Lead:

Mercury:

Molybdenum:

Nickel:

Selenium:

Zinc:

Total PCBs:

Provide the following information:

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

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

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

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.

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the

lagoon(s):

Attach the following documents to the application.

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

Attachment: [\[Click here to attach file\]](#)

- Copy of the closure plan

Attachment: [\[Click here to attach file\]](#)

- Copy of deed recordation for the site

Attachment: [\[Click here to attach file\]](#)

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

Attachment: [\[Click here to attach file\]](#)

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

Attachment: [\[Click here to attach file\]](#)

- Procedures to prevent the occurrence of nuisance conditions

Attachment: [\[Click here to attach file\]](#)

E. Groundwater monitoring

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

Yes ☐ No ☐

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

Attachment: [\[Click here to attach file\]](#)

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:

<div></div>

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:

<div></div>

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

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: **Brian Montini**

Title: **Mayor**

Signature: 

Date: 05/23/2024

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.

See Attachment L.

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:

If yes, attach correspondence from the city.

Attachment:

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:

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: [REDACTED]

3. Nearby WWTs or collection systems

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

Yes ☒ No ☐

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

Attachment: M

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

Attachment: N/A – Facility is in applicant's sewer CCN area.

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 ☐ N/A

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:

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

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

<input type="text"/>

B. Proposed organic loading

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

Table 1.1(1) - Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
Municipality	0.25	300
Subdivision		
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
Recreational park, overnight use		
Recreational park, day use		
Office building or factory	0.50	300
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.75	
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: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: --

Dissolved Oxygen, mg/l: 4.0

Other:

B. Interim II Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: --

Dissolved Oxygen, mg/l: 5.0

Other:

C. Final Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: --

Dissolved Oxygen, mg/l: 6

Other:

D. Disinfection Method

Identify the proposed method of disinfection.

- ☒ Chlorine: 1.0 mg/l after 20 minutes detention time at peak flow
Dechlorination process:
- ☐ Ultraviolet Light: seconds contact time at peak flow
- ☐ Other:

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 Attachment N.

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.

A flood study for a revised grading plan of the site has been submitted to the FEMA for approval. The area of the facility has been removed from the existing 100-year flood plain by filling it to an elevation above the flood plain elevation. Post construction a Letter of Map Revision will be filed with FEMA.

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

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

Yes ☐ No ☒

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

Yes ☐ No ☐

If **yes**, provide the permit number:

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

B. Wind rose

Attach a wind rose. Attachment: Q

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:

B. Sludge processing authorization

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

- ☐ Sludge Composting
- ☐ Marketing and Distribution of sludge
- ☐ Sludge Surface Disposal or Sludge Monofill

If **any of the above** sludge options are selected, attach a completed DOMESTIC WASTEWATER PERMIT APPLICATION: SEWAGE SLUDGE TECHNICAL REPORT (TCEQ Form No. 10056).

Attachment:

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

Attach a solids management plan to the application.

Attachment: P

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:

Distance and direction to the intake:

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

Attachment:

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:

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).

<input type="text"/>

C. Sea grasses

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

Yes ☐

No ☐

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

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: Catherine Branch

A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

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

☐ Man-made Channel or Ditch

- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify:

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: USGS map

C. Downstream perennial confluences

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

Catherine Branch confluences with Denton Creek approximately 1.5 miles downstream of the proposed outfall.

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.

[link here to enter text](#)

E. Normal dry weather characteristics

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

[link here to enter text](#)

Date and time of observation: [link here to enter text](#)

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.

- | | |
|---|--|
| <input type="checkbox"/> Oil field activities | <input checked="" type="checkbox"/> Urban runoff |
| <input type="checkbox"/> Upstream discharges | <input checked="" type="checkbox"/> Agricultural runoff |
| <input type="checkbox"/> Septic tanks | <input type="checkbox"/> Other(s), specify link here to enter text |
- [link here to enter text](#)

B. Waterbody uses

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

- | | |
|--|---|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |

☐ Domestic water supply

☐ Industrial water supply

☐ Park activities

☐ Other(s), specify

[click here to enter text](#)

C. Waterbody aesthetics

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

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored

☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

DOMESTIC 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: The applicant requests TCEQ use default modeling coefficients to assess the proposed discharge.

Stream name:

Location:

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:

Number of stream bends that are moderately defined:

Number of stream bends that are poorly defined:

Number of riffles:

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.

Stream transects

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

Table 2.1(1) - Stream Transect Records

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

Section 3. Summarize Measurements (Instructions Page 76)

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

[enter text](#)

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): [click here to enter text](#)

Length of stream evaluated, in feet: [click here to enter text](#)

Number of lateral transects made: [click here to enter text](#)

Average stream width, in feet: [click here to enter text](#)

Average stream depth, in feet: [click here to enter text](#)

Average stream velocity, in feet/second: [click here to enter text](#)

Instantaneous stream flow, in cubic feet/second: [click here to enter text](#)

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): [click here to enter text](#)

Size of pools (large, small, moderate, none): [click here to enter text](#)

Maximum pool depth, in feet: [click here to enter text](#)

DOMESTIC WORKSHEET 6.0

INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works (POTWs)

Section 1. All POTWs (Instructions Page 99)

A. Industrial users

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

Yes ☐

No ☒

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

<div></div>

C. Treatment plant pass through

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

Yes ☐ No ☒

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

--

D. Pretreatment program

Does your POTW have an approved pretreatment program?

Yes ☐ No ☒

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

Yes ☐ No ☒

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

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

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 100)

A. Substantial modifications

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

Yes ☐ No ☐

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

Click here to enter text

B. Non-substantial modifications

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

Yes ☐ No ☐

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

Click here to enter text

C. Effluent parameters above the MAL

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

Table 6.0(1) - Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

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

Yes ☐

No ☐

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

Click here to enter text.

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 100)

A. General information

Company Name: N/A

SIC Code:

Telephone number: Fax number:

Contact name:

Address:

City, State, and Zip Code:

B. Process information

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

Click here to enter text.

C. Product and service information

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

click here to enter text

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day:

click here to enter text

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day:

click here to enter text

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

Yes ☐ No ☐

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

Yes ☐ No ☐

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

Category:

click here to enter text

Subcategories:

click here to enter text

Category:

click here to enter text

Subcategories:

click here to enter text

Category:

click here to enter text

Subcategories:

click here to enter text

Category:

click here to enter text

Subcategories:

click here to enter text

Category:

click here to enter text

Subcategories:

click here to enter text

F. Industrial user interruptions

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

Yes ☐

No ☐

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

--

**TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
APPLICATION**

ATTACHMENT

REFERENCE

A. Core Data Form	Admin Report 1.0, Section 3.C
B. Public Involvement Plan	Admin Report 1.0, Section 8.F
C. Lease Agreement	Admin Report 1.0, Section 9.D
D. USGS Map	Admin Report 1.0, Section 13
E. Affected Landowner Information	Admin Report 1.1, Section 1
F. Original Photographs	Admin Report 1.1, Section 2
G. Buffer Zone Map	Admin Report 1.1, Section 3
H. Treatment Process Description	Tech Report 1.0, Section 2.A
I. Treatment Unit List	Tech Report 1.0, Section 2.B
J. Process Flow Diagram	Tech Report 1.0, Section 2.C
K. Site Drawing	Tech Report 1.0, Section 3
L. Justification for Permit	Tech Report 1.1, Section 1.A
M. Nearby Collection System	Tech Report 1.1, Section 1.B.3
N. Design Calculation and Plant Features	Tech Report 1.1, Section 4
O. Windrose	Tech Report 1.1, Section 5.B
P. Sewage Sludge Solids Management Plan	Tech Report 1.1, Section 7

Attachment A
Core Data Form
Admin Report 1.0, Section 3.C



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 600702799		RN 111244950

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)							
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership									
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)									
<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)				<i>If new Customer, enter previous Customer below:</i>					
Town of Northlake									
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)				
N/A		17524148149		75-2414814	N/A				
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited				
Government: <input checked="" type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:					
12. Number of Employees				13. Independently Owned and Operated?					
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following									
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:									
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant									
15. Mailing Address:		1500 Commons Circle, Suite 300							
City		Northlake		State	TX	ZIP	76226	ZIP + 4	
16. Country Mailing Information (if outside USA)					17. E-Mail Address (if applicable)				
					etamayo@town.northlake.tx.us				
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.)								
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Catherine Branch Water Resource Recovery Facility								
23. Street Address of the Regulated Entity: (No PO Boxes)								
	City	Northlake	State	TX	ZIP	76247	ZIP + 4	
24. County		Denton						

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

25. Description to Physical Location:		Approximately 2000 feet northwest of the intersection of Interstate Highway 35W and Dale Earnhardt Way.						
26. Nearest City					State		Nearest ZIP Code	
Town of Northlake					TX		76247	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:		33.04695			28. Longitude (W) In Decimal:		97.26278	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
33	2	49.02	97	15	46.02			
29. Primary SIC Code (4 digits)		30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
4952				221320				
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Treatment of sanitary wastewater								
34. Mailing Address:		1500 Commons Circle, Suite 300						
	City	Northlake	State	TX	ZIP	76226	ZIP + 4	
35. E-Mail Address:		etamayo@town.northlake.tx.us						
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)		
(940) 242-5704						() -		

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


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0015980001			

SECTION IV: Preparer Information

40. Name:	Janet Sims		41. Title:	Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(512) 735-1001		() -	Janet.Sims@meadhunt.com	

SECTION V: Authorized Signature

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

Company:	Town of Northlake	Job Title:	Mayor
Name (In Print):	Brian Montini	Phone:	(940) 648- 3290
Signature:		Date:	05/23/2024

Attachment B
Public Involvement Plan
Admin Report 1.0, Section 8.F



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.

Attachment C
Lease Agreement
Admin Report 1.0, Section 9.D

GROUND LEASE AGREEMENT FOR WASTEWATER TREATMENT PLANT

This ground lease agreement ("Lease") is entered into effective as of this 27th day of May, 2021 (the "Effective Date") by and between the Town of Northlake ("Town"), a Texas municipal corporation, and Northlake 35, LLC ("Northlake 35" or "Landlord"), a Texas limited liability company. For convenience, Town and Northlake 35 may be referred to herein collectively as "parties" and individually as a "party."

RECITALS

WHEREAS, Northlake 35 currently owns approximately 249.299 acres of land in Northlake, Texas as more particularly described on Exhibit "A-1" attached hereto and by reference incorporated herein (the "Northlake 35 Land"); and

WHEREAS, a 1.2 acre portion of the Northlake 35 Land is to be leased in accordance with this Agreement by Landlord to Town; said 1.2 acre portion is described as Proposed Lot 9, Block 1, situated in a portion of the W.P. Harmonson and Ben Waters Survey, Abstract No. 642, Town of Northlake, Texas, as more particularly described and shown on Exhibit "A-2" attached hereto and by reference incorporated herein (the "Property" or "Leased Premises"); and

WHEREAS, Town desires to lease the Property in order to construct and install, as well as continuously operate, maintain, repair and replace, a temporary package wastewater treatment plant ("WWTP") on the Property (collectively, the "WWTP Work"); and

WHEREAS, Northlake 35 desires to lease the Property to Town and to permit Town to construct and operate the WWTP and complete the WWTP Work on the Property, subject to and in accordance with the terms of this Lease; and

WHEREAS, Northlake 35 acknowledges the Buffer Zone (as defined in Section 2.12 below) requirement pursuant to Texas Commission of Environmental Quality ("TCEQ") rules and has agreed to abide by said rules as outlined herein.

NOW, THEREFORE, for and in consideration of the mutual promises and covenants set forth in this Lease, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties do hereby agree as follows:

I. DEFINITIONS

The following definitions shall apply in this Lease:

"Landlord" means the current owner of the Property (currently Northlake 35) during the term of this Lease and the party obligated to those specific terms set forth herein.

"Leased Premises" means the Property and any improvements made thereto.

"Leasehold Improvements" means any and all improvements made to the Property by Town, including but not limited to, the WWTP Facilities, and ancillary buildings, paving, signage, parking, lighting, and drainage improvements related thereto, subject to the terms and conditions herein.

"Property" has the meaning set forth in the Recitals.

II.

GRANT OF LEASE

- 2.1 **Initial Term.** Landlord hereby agrees to lease the Property to Town and Town hereby agrees to lease the Property from Landlord for an initial term of twenty-five (25) years beginning June 1, 2021 (the "Commencement Date") and expiring May 31, 2046 (the "Expiration Date"). The period commencing on the Commencement Date and expiring on the Expiration Date is referred to herein as the "Initial Term". The Initial Term is subject to termination solely as set forth in Article VII below.
- 2.2 **Extension.** The Initial Term of this Lease may be extended under the same terms and conditions (except as otherwise expressly set forth herein) on a year-to-year basis following the Initial Term for a period not to exceed ten (10) years, upon written notice from Town to Landlord at least six months prior to the expiration of the Initial Term (the "Extension" and, together with the Initial Term, the "Term").
- 2.3 **Rent.** The base rent for the Initial Term shall be \$1,000.00 per year, due on the first day of each May during the Initial Term, with the first payment due on the Commencement Date. (the "Initial Term Base Rent"). Base rent during the Extension of this Lease will be \$1,000.00 per year, due on the first day of each May during the term of the Extension (the "Extension Term Base Rent" and, together with the Initial Term Base Rent, the "Base Rent"). The Town shall also be directly responsible for any and all other costs incurred with respect to the Property, the WWTP Work, and the WWTP Facilities (as hereinafter defined) during the Term (collectively, the "Additional Rent" and, together with the Base Rent, the "Rent"), including, without limitation, any and all of the following: utility costs, deposits and fees; inspection or other fees; maintenance, repair, operations, capital improvement, and replacement costs related to the WWTP Facilities (as hereinafter defined); landscaping, signage, drainage, and sewer expenses for or on the Property; real property taxes, payments-in-lieu of taxes, any and all costs incurred to upsize the WWTP Facilities to provide service to additional projects outside of the Northlake 35 Land, use taxes, personal property taxes, trade fixture taxes, inventory taxes, and other similar taxes or charges; and all costs of insurance related to the Property. To the extent Additional Rent costs are imposed upon Landlord instead of the Town, the Town shall promptly reimburse Landlord in full for all of such costs, without any delay, reduction, set-off, counterclaim, defense or deduction whatsoever.
- 2.4 **Payment of Rent.** All Rents due under this Lease shall be paid to Northlake 35 in a timely manner at the address for Northlake 35 set forth in Section 8.4 below.

- 2.5 **Utilities.** Town shall be responsible for payment of all deposits and utility bills at the Property (collectively, the "Utilities"), including but not limited to water, gas, electricity, sewer, garbage, janitorial, telephone, and internet services. Town shall cause all Utilities to be separately billed directly to Town for the Property. To the extent, despite Town's best, diligent and continued efforts, Utilities are not separately billed directly to Town, then Town shall reimburse Landlord within 30 days of request by Landlord for all such costs paid by Landlord on Town's behalf.
- 2.6 **Permissible Uses.** The Property shall be utilized for the WWTP Work and thereafter solely as a temporary wastewater treatment plant, and shall continuously operate for such utility purposes and shall serve, among other properties, the Northlake 35 Land and the contemplated development thereon throughout the Term without interruption and at reasonable, market rates, and for no other uses whatsoever (the "Permitted Use"), all in compliance with applicable matters of record and the Legal Requirements, as defined below. The foregoing Permitted Use shall include the right of Town to upsize the WWTP Facilities at Town's sole cost and expense, as set forth in Section 2.3 above.
- 2.7 **Compliance with Law.** Town shall comply with all Town of Northlake ordinances, as well as all other applicable laws, rules, ordinances, orders and regulations of any and all state, federal, municipal, local, or other agencies or bodies with jurisdiction over the Property, WWTP, WWTP Work, or WWTP Facilities, including, without limitation, all applicable zoning district, permitting, and development regulations and obligations and all regulations set forth in the Town of Northlake Unified Development Code, as well as in compliance with all restrictions of record (collectively, the "Legal Requirements"). Town's use of the Leased Premises shall at all times be in accordance with the Legal Requirements.
- 2.8 **Taxes.** Town shall timely pay all ad valorem taxes (real property taxes), if any, and all personal property/trade fixture taxes levied against the Leased Premises during the term of this Lease in accordance with Section 2.3 above.
- 2.9 **Alterations.** Town shall not make any alterations, additions, or improvements to the Property beyond what is expressly agreed to in this Lease, without the prior written consent of Landlord, which approval shall not be unreasonably denied, delayed or conditioned. The Town's request for consent shall be accompanied by detailed plans and specifications, to the extent applicable.
- 2.10 **Standard of Conduct.** Town covenants and agrees that it shall not make or allow any unlawful, improper, immoral or offensive use of the Property or any part thereof; shall not interfere with, delay, or hinder any of Landlord's development work on the Northlake 35 Land, or interfere with the business operations of any tenant or subtenant on the Northlake 35 Land; shall complete all WWTP Work in a good, workmanlike manner using reputable contractors (if applicable) and quality materials; and further agrees to maintain the Property in a clean and sanitary condition at all times and in compliance with all Legal Requirements.

- 2.11 Access. Town shall have unencumbered access to the Leased Premises at all times while this Lease is in effect, and Northlake 35 hereby grants to Town, during the Term hereof, the right to use, solely for ingress and egress purposes to and from the Property (without parking), certain developed or to-be-developed private roadways within the Northlake 35 Land, which may include the proposed Elizabeth Creek Court, as designated and identified by Northlake 35 to Town (the "Designated Access Roads"). Town acknowledges and agrees that the Northlake 35 Land (less and except the Property) is being developed for industrial development and ancillary infrastructure purposes, among other purposes (collectively, the "Development Project"), and accordingly, Town shall cooperate with Landlord and shall not interfere with or delay any such work to be completed on the surrounding Northlake 35 Land for the Development Project.
- 2.12 Buffer Zone. Landlord acknowledges and agrees to abide by the use limitations for land surrounding the WWTP. Per TCEQ Rule 30 TAC 309.13(3), a 150 -foot buffer zone shall be maintained around the WWTP ("Buffer Zone"). No residences shall be located within the Buffer Zone. However, roadways and utilities may be located within the Buffer Zone.

III. PROPERTY DEVELOPMENT

- 3.1 Town of Northlake Approved Development. If required by the Town of Northlake Unified Development Code, Town shall submit applications with the Town of Northlake to develop the Property in accordance with the Unified Development Code. No work shall commence on the Property unless and until the Town has obtained all necessary approvals and satisfied all applicable Legal Requirements with respect to the WWTP Facilities and the WWTP Work. All costs incurred in connection with the development of the Property shall be the responsibility of Town.
- 3.2 Leasehold Improvements.
- A. Construction.
1. Improvements. Town shall prepare (or have its consultants prepare) detailed plans and specifications (the "WWTP Plans") for the WWTP Facilities (as defined below) and shall submit such WWTP Plans for the WWTP Facilities to Landlord, for Landlord's review and approval, which approval shall not be unreasonably withheld, conditioned, or delayed. Upon receiving such approval from Landlord, Town shall diligently pursue and complete construction of the following non-permanent facilities on the Property (collectively, the "WWTP Facilities"), which construction shall be completed within 24 calendar months following the Effective Date hereof, subject only to a TCEQ Delay (as defined below):
- a) One (1) driveway and approach, constructed to Town of Northlake standards, located off of the proposed Elizabeth Creek Court;

- b) WWTP, which shall include the following:
 - 1. Equalization Basin
 - 2. Aeration Basin
 - 3. Clarifier
 - 4. Chlorine Contact Basin
 - 5. Digester Basin
- c) Lift station;
- d) Electrical power;
- e) Necessary piping; and
- f) Other associated appurtenances required to for the use and maintenance of the WWTP.

As used herein, a "TCEQ Delay" shall mean any delay in Town's receipt of the necessary permits, consents, and approvals for the construction or operation of the WWTP Facilities on the Property from the Texas Commission on Environmental Quality ("TECQ"), despite Town acting diligently, reasonably and in good faith to obtain such necessary TECQ permits, consents, and approvals, and which delay in no event was caused by any act or omission of the Town.

- B. Maintenance. Town shall keep all Leasehold Improvements in a state of good repair and operational on a regular and ongoing basis, excluding ordinary wear and tear.
- C. Surrender and Removal Obligations. Within 30 days after the expiration or termination of this Lease, Town shall, at Town's sole cost and expense and at Landlord's option, either (i) remove all (or a portion, if designated by Landlord) of the WWTP Facilities from the Property, restore the Property to its condition existing on the Effective Date hereof (i.e. prior to the undertaking of the WWTP Work and installation of the WWTP Facilities), and ensure the Property is returned in good, clean condition, or (ii) convey all (or a portion, if designated by Landlord) of the WWTP Facilities to Landlord by bill of sale or other applicable document, without warranty (express or implied) by Town, and at no cost or expense to Landlord. The obligations set forth in this subsection shall survive the expiration or termination of this Lease. Notwithstanding anything to the contrary herein, Landlord understands and agrees that certain underground piping associated with the WWTP Facilities may continue to be required by Town following termination of this Lease. Landlord agrees that such underground piping shall not be removed or surrendered to Landlord, unless otherwise agreed by the parties hereto in writing.
- D. Casualty Damage. With regard to casualty damage to the Leased Premises, Town shall, as soon as reasonably practicable but no event later than 180 days after the

date of a casualty, complete the work of repair, reconstruction or replacement of any damaged Leasehold Improvement and complete the work of repair, reconstruction, replacement, or removal of any damaged temporary improvement.

- E. **Compliance.** To the extent the WWTP Facilities are not constructed or installed in accordance with the approved WWTP Plans, or to the extent Town does not maintain the Property and WWTP Facilities on a consistent and ongoing basis (collectively, the "Deficiencies"), Town shall immediately correct such Deficiencies, and if Town fails to do so within 30 days of receiving notice thereof from Landlord (except in an emergency, which shall not require prior notice), Landlord shall have the right to cure any Deficiencies on Town's behalf, and in such event, Town shall reimburse Landlord in full for all costs incurred by Landlord with respect thereto within 30 days of receipt of an invoice and reasonable documentation thereof, plus reasonable fees of Landlord. Notwithstanding anything to the contrary herein, termination of this Lease pursuant to Section 7.1.B solely as a result of a TCEQ denial in the necessary permits, consents, and approvals needed for the WWTP Facilities, despite Town acting diligently, reasonably and in good faith to obtain such necessary TECQ permits, consents, and approvals, and which denial in no event was caused by any act or omission of the Town (a "TECQ Denial") shall not be deemed a Deficiency hereunder.
- F. **Liens.** Town shall not allow any mechanic's liens to attach to the Property or any part thereof in connection with the WWTP Work or any ongoing maintenance, repair, replacement or operational work on the WWTP Facilities. In the event a lien does attach to the Property, Town must immediately notify Landlord and remove or cause the removal of such lien within 20 days of attachment.
- G. **Conditions.** Town shall comply at all times during the Term with the following conditions with respect to the WWTP Facilities and the WWTP Work:
1. Town will not allow or permit any unreasonable vibration, noise, odor, light or other similar effect caused by the WWTP Facilities to occur within or around the Property (any of the foregoing being referred to herein as a "Prohibited Condition"). In the event the Landlord reasonably alleges such a Prohibited Condition has occurred and has continued to occur for more than 5 consecutive days (or has continued to occur frequently, even if not on consecutive days), then Town will cooperate with Landlord to promptly take all steps necessary to mitigate or resolve said Prohibited Condition pursuant to TCEQ requirements applicable to the WWTP Facilities or as otherwise reasonably and mutually determined by the parties hereto in order to remedy such Prohibited Condition, at Town's sole cost and expense. Town shall keep Landlord reasonably apprised of Town's efforts to resolve and correct any identified Prohibited Condition.

2. Town will not permit water coming into, leaving, or waiting to be processed by the WWTP to remain sitting in locations on the exterior of the WWTP, shall not permit water to become stagnant, and shall not permit any contamination or spillage from the Property onto the adjacent Northlake 35 Land.

IV. TRANSFER AND ASSIGNMENT

- 4.1 Transfer and Assignment. Town may not sell or assign its rights under this Lease without Landlord's prior written consent. Landlord may assign this Lease or its rights hereunder to any affiliated person or entity or to any owners' association serving the Northlake 35 Land and the development thereon, provided such assignee assumes all obligations of Landlord hereunder; the foregoing shall include all transfers resulting from a transfer of the Property by Landlord. Notice and a copy of any such assignment agreement shall be provided to Town within 30 days of such assignment.

V. INSURANCE

- 5.1 Insurance. Without limiting any of the other obligations or liabilities of Town, Town agrees to purchase and maintain during the Term of this Lease (including any Extension), at Town's sole expense, Commercial General (Public) Liability Insurance. Commercial General (Public) Liability Insurance shall be issued in the coverage amounts of \$1,000,000 per occurrence, \$2,000,000 annual aggregate, and shall include coverage for Premises/Operations, Products/Completed Operations, Independent Contractor's liability, Personal Injury and Contractual Liability insuring the indemnity provision contained in this Lease and fully insuring Town or its subcontractor's liability for bodily injury, death, and property damage. All policies obtained by Town as required by this Section 5.1 shall be written on an occurrence (not claims made) basis, to the extent practical shall name Landlord as an additional insured, and shall be provided to Landlord in advance of any WWTP Work commencing on the Property, or as otherwise reasonably requested by Landlord.

VI. INDEMNIFICATION

- 6.1 HOLD HARMLESS AGREEMENT. TO THE EXTENT PERMITTED BY LAW, IF ANY, TOWN DOES HEREBY FULLY RELEASE AND AGREE TO, INDEMNIFY, HOLD HARMLESS AND DEFEND LANDLORD, AND ITS RESPECTIVE OFFICERS, AGENTS, SERVANTS AND EMPLOYEES FROM ALL CLAIMS, SUITS, JUDGMENTS, AND DEMANDS OF ANY NATURE WHATSOEVER, FOR PROPERTY DAMAGE, INCLUDING DAMAGE TO THE SURROUNDING NORTHLAKE 35 LAND OR THE DEVELOPMENT PROJECT, OR ENVIRONMENTAL HAZARDS OR CONTAMINATION, OR DAMAGE TO THE DESIGNATED ROADWAYS, OR PERSONAL INJURY, INCLUDING DEATH, RESULTING FROM OR IN ANY WAY CONNECTED WITH TOWN'S WWTP

WORK, WWTP FACILITIES, OR ANY OTHER CONSTRUCTION OF IMPROVEMENTS OR WORK BY THE TOWN OR ITS OFFICERS, AGENTS, EMPLOYEES, OR CONSULTANTS, INCLUDING ON THE WWTP FACILITIES, OR THE FAILURE TO SAFEGUARD THE CONSTRUCTION WORK, USE OF, OR OPERATIONS UPON THE PROPERTY, INCLUDING ANY ACT OR OMISSION OF TOWN OR ITS OFFICERS, AGENTS, EMPLOYEES, OR CONSULTANTS RELATED THERETO. THIS INDEMNIFICATION AND HOLD HARMLESS SHALL NOT INCLUDE INDEMNIFICATION FOR ANY CLAIM ARISING AS A RESULT OF LANDLORD'S NEGLIGENCE OR INTENTIONAL MISCONDUCT WITH RESPECT TO THE USE OF OR OPERATIONS UPON THE PROPERTY. THIS PROVISION SHALL SURVIVE THE EXPIRATION OR ANY EARLIER TERMINATION OF THIS LEASE.

VII. TERMINATION

7.1 **Termination.** This Lease may not be terminated except in accordance with this section.

- A. **Termination for Cause.** This Lease may be terminated by Landlord or by Town during the Term for cause. The term "for cause" means: a violation of this Lease that, after receipt of notice, remains uncured for more than thirty (30) days (or, if additional time is needed to cure such violation, then a violation that, after receipt of notice, remains uncured and no diligent and prudent efforts are being made to cure such violation within the 30-day period, which in no event shall exceed 60 days). Any notice of termination shall specifically identify the violation or violations and shall provide that the termination of the Lease shall be effective upon the expiration of thirty (30) days from the date of the party's receipt of the notice if the party fails to cure the violation or violations identified therein before the end of the thirty (30) day time period (or such 60-day period, if applicable and necessary in accordance with the foregoing). In order for any termination under this section to be effective, the notice must be provided in accordance with the terms of this Lease.
- B. **Termination for Convenience.** This Lease may be terminated by Town during the Initial Term or any Extension period for any reason with 30 days' written notice to Landlord; provided, however, in the event that Town terminates this Lease for convenience in accordance with this subsection, the Town shall provide, as a condition to such termination, a reasonably acceptable and comparable (both from a service and cost standpoint) alternative to Town's services being provided by the WWTP to the Development Project (the "Termination Condition"). In the event Town satisfies the Termination Condition and thereafter terminates this lease for convenience prior to the expiration of the 24th calendar month after the Effective Date hereof, Town will be under no obligation to complete the Leasehold Improvements. In order for any termination under this section to be effective, the notice must be provided in accordance with the terms of this Lease.

Notwithstanding anything to the contrary herein, in the event of a TCEQ Denial, the Town may terminate this Lease upon prior notice to Landlord, without further obligation of either party. In such an event, Town agrees that no Rent amounts paid by the Town to Landlord pursuant to this Lease prior to any termination hereof shall be refundable to Town.

- C. Termination for Abandonment. This Lease may be terminated by Landlord in the event that the Town abandons the WWTP Facilities or ceases its use of the Property for the WWTP Facilities for a period of more than 30 consecutive days, or, after the completion of the WWTP Facilities and commencement of services to the Development Project therefrom, in the event that the Town ceases its service to the Development Project for more than 30 consecutive days. Any notice of termination for abandonment shall provide that the termination of the Lease shall be effective upon the expiration of thirty (30) days from the date of the Town's receipt of the notice if the Town fails to respond to the notice indicating the Town's intent to use the Property as provided in this Lease before the end of the thirty (30) day time period. In order for any termination under this section to be effective, the notice must be provided in accordance with the terms of this Lease.
- D. Restoration/Removal. Upon any termination of this Lease, the obligations of Town set forth herein relating to the expiration of this Lease shall apply, including, without limitation, Sections 3.2(C), 6.1, and 7.2.

7.2 Effect of Termination/Expiration. Upon the termination or expiration of this Lease:

- A. The parties' duties and obligations under this Lease shall cease except for the provisions in this Lease that survive termination; and
- B. Rent will be prorated for any partial month this Lease is in effect, should this Lease be terminated in accordance with Section 7.1. The parties acknowledge and agree that in no event shall any Rent payments paid by the Town prior to any termination event be refundable to the Town.

VIII. MISCELLANEOUS PROVISIONS

- 8.1 Entirety. This Lease shall be the sole understanding and agreement of the parties with respect to the subject matter hereof. Any prior written or oral understandings of the parties that contradict the terms of this Lease shall not be binding on the parties.
- 8.2 Binding. This Lease shall be binding on the Property and the parties and their respective successors-in-interest (subject to the terms and conditions set forth in Section 4.1 above).
- 8.3 Severability. In the event any term or provision of this Lease is determined by a court of competent jurisdiction to be illegal or unenforceable, the remainder of this Lease shall remain in effect and shall not be affected thereby.

- 8.4 **Notice.** Any notice required to be given by this Lease shall be deemed to have been given within three (3) days of depositing in the mail, if sent to the other party by United States certified mail, return receipt requested, or upon receipt of the notice if sent by other receipted delivery service, at the address listed below:

To: Town of Northlake
Attention: Town Administrator/Manager
1500 Commons Circle, Suite 300
Northlake, TX 76226-1598

To: Northlake 35, LLC
c/o Texas Commercial Development
5440 Harvest Hill Road, Suite 250
Dallas, Texas 75230
Attn: Doug Johnson
Phone: 972-849-4009
Email: doug.johnson@txcomdev.com

The parties may at any time change their respective address for notice purposes by delivering a notice of change of address to the other party in accordance with this section.


- 8.5 **Compliance with Laws.** Town shall comply with all applicable Legal Requirements at all times during the Term of this Lease.
- 8.6 **Limitation of Warranties.** THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY, OF FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER KIND ARISING OUT OF THIS LEASE, AND THERE ARE NO WARRANTIES THAT EXTEND BEYOND THOSE EXPRESSLY STATED IN THIS LEASE.
- 8.7 **Amendment.** This Lease may not be amended or modified except by written amendment which is signed by both parties.
- 8.8 **No Joint Venture.** Nothing in this Lease should be construed by the parties or by any third party to create the relationship of principal and agent, a partnership, a joint venture, or employment, it being understood the parties are acting as independent parties for the purpose of effecting the provisions of this Lease. As such, neither party has the authority to represent or to bind the other with respect to any third-party agreement or proposal.
- 8.9 **Governing Law/Venue.** This Lease shall be governed by the laws of and shall be performable in the State of Texas. Venue for any legal action to interpret or enforce the terms of this Lease shall lie in Denton County, Texas.

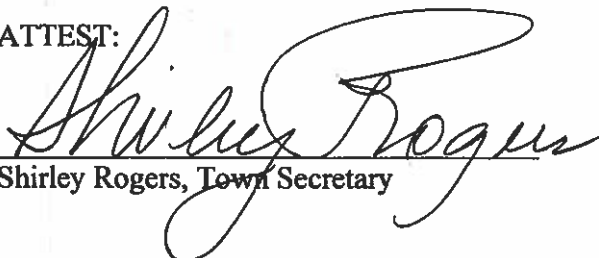
- 8.10 Attorney's Fees. In the event that it becomes necessary to take legal action to interpret or enforce the terms of this Lease, the prevailing party in such action shall be entitled to recover reasonable attorney's fees and costs of court from the non-prevailing party.
- 8.11 Memorandum of Lease. Town shall not record this Lease, but upon the request of either party hereto, the parties shall promptly and diligently record a mutually acceptable memorandum hereof in the real property records of Denton County, Texas. However, the parties understand that the Town is a Texas governmental entity and that this Lease is a public document subject to all requirements of state law including chapter 552 of the Texas Government Code.
- 8.12 Counterparts. This Lease may be executed in multiple counterparts including by electronic or PDF signature, each of which will constitute an original, but all of which taken together will constitute one and the same agreement.
- 8.13 Waiver of Jury Trial. The parties hereto waive trial by jury in any action, proceeding or counterclaim brought by any party against any other party on any matter arising out of or in any way connected with this Lease or the relationship of the parties hereunder.
- 8.14 Limitation of Liability. No general or limited partner, member, manager, stockholder or officer, employee, agent or affiliate of the parties or any successor or affiliates of the parties will in any manner be personally or individually liable for the obligations of the parties hereunder or for any claims related to this Lease, any agreement contemplated by this Lease, or the Property.
- 8.15 Negotiated Document. This Lease is the result of negotiations between the parties, and in construing any ambiguity hereunder no presumption will be made in favor of either party.
- 8.16 Remedies. In the event of a default by either party hereunder, the aggrieved party may, at its option and without prejudice to any other right or remedy under this Lease, seek any relief available at law or in equity with respect to any such default.
- 8.17 No Waiver. The failure of any party to insist upon strict performance of any of the terms, covenants or conditions of this Lease shall not be deemed to waive any rights or remedies which that party may have hereunder, at law or in equity, and shall not be deemed a waiver of any subsequent breach or default in any of such terms, covenants or conditions. No waiver by any party of any default under this Lease shall be effective or binding on such party unless made in writing by such party and no such waiver shall be implied from any omission by a party to take action in respect of such default. No express written waiver of any default shall affect any other default or cover any other period of time other than any default and/or period of time specified in such express waiver. One or more written waivers of any default under any provision of this Lease shall not be deemed to be a waiver of any subsequent default in the performance of the same provision or any other term or provision contained in this Lease.

(Signatures on following pages)

SIGNED on this 1st day of June, 2021.

Town of Northlake

By: 
Drew Corn, Town Manager

ATTEST:

Shirley Rogers, Town Secretary



Northlake 35, LLC., a Texas limited liability company

By: [Signature]

Printed Name: Doug Johnson

Title: Member

STATE OF TEXAS §

COUNTY OF Dallas §

BEFORE ME, the undersigned authority in and for Denton County, Texas, on this day personally appeared Douglas Johnson, known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that he/she is the Member of Northlake 35, LLC, and that he/she is authorized by said corporation to execute the foregoing instrument as the act of such corporation for the purposes and consideration therein expressed, and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 27th day of May, 2021.

[Signature]
Notary Public in and for the State of Texas

Brian White
Type or Print Notary's Name

My Commission Expires:

07/28/2023

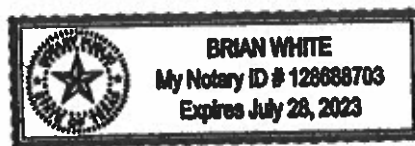


EXHIBIT "A-1"

NORTHLAKE 35 LAND

All that certain lot, tract, or parcel of land, situated in a portion of the Holland Anderson Survey, Abstract No. 25, the H W. Cocke Survey, Abstract No. 310, the W. P. Harmonson and Ben Waters Survey, Abstract No. 642, the William Murray Survey, Abstract No. 890, the Simeon E. Park Survey, Abstract No. 1005, City of Northlake, Denton County, Texas, being all of the remainder of that certain called 255 acre tract described as First Tract, all of that certain called 90 acre tract described as Second Tract, all of the remainder of that certain called 35 1/2 acre tract described as Third Tract, all of the remainder of that certain called 43.79 acre tract described as Fourth Tract in a deed to Billy H. Buchanan and Billie F. Buchanan, Trustees of the Buchanan Family Trust dated July 13, 1992 recorded in Volume 3425, Page 569 of the Deed Records of Denton County, Texas (DRDCT), all of that certain called 1.823 acre tract described in a deed to Billie F. Buchanan, as Trustee of the Buchanan Family Trust dated July 13, 1992 recorded in Volume 4759, Page 371 (DRDCT), and being more completely described as follows, to-wit:

BEGINNING at a 1/2" iron rod found in the North line of said 43.79 acre tract, the Southwest corner of a called 1.000 acre tract described in a deed to PML Real Estate, LLC recorded in Document No. 2020-23283 (DRDCT), said point being 30.00 feet East from the centerline of Harmonson Road (apparent prescriptive variable width right-of-way);

THENCE North 89 deg. 14 min. 03 sec. East along the North line of said 43.79 acre tract, the South line of said 1.000 acre tract, and along a fence, at 21.83 feet pass a 1/2" iron rod found for reference, at 208.71 feet pass a 1/2" capped iron rod found stamped "CARTER W FORD" for the Southeast corner of said 1.000 acre tract and the most southerly Southwest corner of a called 204.358 acre tract described in a deed to Fast Track Development, LLC recorded in Document No. 2017-11634 (DRDCT), continue a total distance of 1,279.57 feet to a 5" metal fence post found for the Northeast corner of said 43.79 acre tract, the Southeast corner of said 204.358 acre tract, and being in the West line of said 90 acre tract,

THENCE North 00 deg. 23 min. 49 sec. East along the West line of said 90 acre tract, the East line of said 204.358 acre tract, and along a fence, a distance of 1,051.95 feet to a 6" metal fence post found for the Northwest corner of said 90 acre tract and an ell corner of said 204.358 acre tract;

THENCE in a northeasterly direction along the North line of said 90 acre tract, the West line of said 35 1/2 acre tract, the South and East lines of said 204.358 acre tract, and along a fence, being the called accepted common boundary line per said Document No. 2017-11634 (DRDCT) the following four (4) courses;

North 89 deg. 50 min. 21 sec. East, a distance of 530.05 feet to a 5" metal fence post found at H brace;

South 89 deg. 06 min. 24 sec. East, a distance of 790.55 feet to a 5" metal fence post found;

North 76 deg. 33 min. 38 sec. East, a distance of 553.03 feet to a 1/2" iron rod found from which another 1/2" iron rod found bears South 79 deg. 56 min. 25 sec. East - 0.60 feet;

North 00 deg. 02 min. 22 sec. East, a distance of 891.47 feet to a 5" metal fence post found for the Northwest corner of said 35 1/2 acre tract and the Southwest corner of a called 95 698 acre tract described as Tract 1 in a deed to Won Chang, Inc. recorded in Volume 5145, Page 408 (DRDCT);

THENCE North 88 deg. 45 min. 59 sec. East departing the East line of said 204.358 acre tract and continue along the North line of said 35 1/2 acre tract, the South line of said 95 698 acre tract, and along a fence, a distance of 1,045.98 feet to a Corps of Engineers concrete monument found stamped "P-501-5" for the Northwest corner of a tract of land described in a deed to Williams Quality Rental, LLC recorded in Document No. 2008-81438 (DRDCT);

THENCE South 09 deg. 22 min. 03 sec. West departing said North and South lines and continue along the West line of said Williams Quality Rental tract, and along a fence, a distance of 930.91 feet to a 1/2" iron rod found for all corner of same;

THENCE South 21 deg. 16 min. 18 sec. East along said West line, a distance of 1,889.62 feet to a Corps of Engineers brass disk found stamped "RESET 080" for the most southerly corner of same and being in the Northwest right-of-way line Interstate Highway No. 35-W per deed to the State of Texas recorded in Volume 522, Page 168;

THENCE South 33 deg. 09 min. 34 sec. West along said Northwest right-of-way line and along a fence, a distance of 132.58 feet to a 5/8" capped iron rod found stamped "CARTER BURGESS" for the most northerly corner of a called 1.226 acre tract described in a deed to FW Sports Authority, Inc. recorded in Volume 5058, Page 2176 (DRDCT), from which a 1/2" iron rod found bears South 85 deg. 30 min. 04 sec. West - 2.48 feet;

THENCE South 40 deg. 27 min. 03 sec. West departing said Northwest right-of-way line and continue along the Northwest line of said 1.226 acre tract and along a fence, a distance of 866.84 feet to a 1/2" iron rod found in the Northwest line of a called 349 acre tract described in a deed to the United States of America recorded in Volume 373, Page 452 (DRDCT), from which a 5/8" capped iron rod found stamped "CARTER BURGESS" bears North 40 deg. 44 min. 12 sec. East - 15.33 feet;

THENCE South 66 deg. 59 min. 17 sec. West along the Northwest line of said 349 acre tract, a distance of 301.19 feet to a 1/2" iron rod found for an ell corner of same, being in the South line of said 255 acre tract, and the North line of a called 192.912 acre tract described as Tract II in a deed to Petrus Investments, L.P. recorded in Volume 4246, Page 546 (DRDCT);

THENCE South 89 deg. 45 min. 34 sec. West along the North line of said 192.912 acre tract, the South lines of said 255 acre and 90 acre tracts, a distance of 2,123.15 feet to a 1/2" iron rod found for the Northeast corner of said 1.823 acre tract;

THENCE South 00 deg. 05 min. 00 sec. West along the East line of said 1.823 acre tract, a distance of 139.15 feet to a 5/8" capped iron rod found stamped "CARTER BURGESS" for the Southeast corner of same and being in the North right-of-way line of Dale Earnhardt Way (120' right-of-way width) as described in a dedication deed to the City of Fort Worth recorded in Volume 4883, Page 1 (DRDCT), from which a 1/2" iron rod found (bent) bears South 58 deg. 10 min. 27 sec. East - 1.26 feet, said point being a Point of Curvature of a non-tangent circular curve to the left, having a radius of 4,653.10 feet, a central angle of 12 deg. 18 min. 50 sec., and being subtended by a chord which bears North 83 deg. 44 min. 28 sec. West - 998.11 feet;

THENCE in a westerly direction along said curve to the left, the South line of said 1.823 acre tract, and said North right-of-way line, a distance of 1,000.04 feet to a 1/2" capped iron rod set stamped "GOODWIN & MARSHALL";

THENCE North 89 deg. 53 min. 53 sec. West tangent to said curve and continue along said South line and North right-of-way line, a distance of 600.12 feet to a 5/8" capped iron rod found stamped "CARTER BURGESS" for the Southwest corner of said 1.823 acre tract and being in an East line of Texas Motor Speedway recorded in Cabinet V, Page 493 of the Plat Records of Denton County, Texas (PROCT), from which a 5/8" iron rod found in the South right-of-way line of said Dale Earnhardt Way bears and an ell corner of said Texas Motor Speedway bears South 00 deg. 52 min. 33 sec. East - 120.02 feet.

THENCE North 00 deg. 52 min. 33 sec. West along the West line of said 1.823 acre tract and the East line of said Texas Motor Speedway, at 22.92 feet pass a 1/2" iron rod found for the Northwest corner of said 1.823 acre tract, continue a total distance of 54.04 feet to the most northerly corner of said Texas Motor Speedway, from which a 1/2" iron rod found bears North 81 deg. 11 min. 51 sec. East - 0.95 feet.

THENCE South 81 deg. 11 min. 51 sec. West along the North line of said Texas Motor Speedway, a distance of 66.73 feet to a 1/2" iron rod found.

THENCE North 01 deg. 12 min. 48 sec. West departing said North line and being approximately 30.00 feet East of and parallel with the centerline of said Harmonson Road, a distance of 1,461.73 feet to the **POINT OF BEGINNING**, containing 10,859.459 square feet or 249.299 acres of land, more or less.

EXHIBIT "A-2"

PROPERTY DESCRIPTION AND DEPICTION

All that certain lot, tract, or parcel of land, situated in a portion of the W. P. Harmonson and Ben Waters Survey, Abstract No. 642, Town of Northlake, Denton County, Texas, being part of that certain called 249.299 acre tract described in a deed to Northlake 35, LLC recorded in Document No. 2020-128059 of the Deed Records of Denton County, Texas (DRDCT), and being more completely described as follows, to-wit:

COMMENCING at a 1/2" iron rod found for the most southerly Southeast corner of said 249.299 acre tract, an ell corner of a called 349 acre tract described in a deed to the United States of America recorded in Volume 373, Page 452 (DRDCT), and being in the North line of a called 192.912 acre tract described as Tract II in a deed to Petrus Investments, L.P. recorded in Volume 4246, Page 546 (DRDCT), from which a 1/2" iron rod found for an ell corner of said 249.299 acre tract bears South 89 deg. 45 min. 34 sec. West – 2,123.15 feet;

THENCE North 56 deg. 08 min. 38 sec. West, a distance of 1,297.94 feet to a 1/2" capped iron rod set stamped "GOODWIN & MARSHALL" hereinafter referred to as 1/2" capped iron rod set, for the **TRUE POINT OF BEGINNING**;

THENCE North 89 deg. 07 min. 50 sec. West, a distance of 165.00 feet to a 1/2" capped iron rod set;

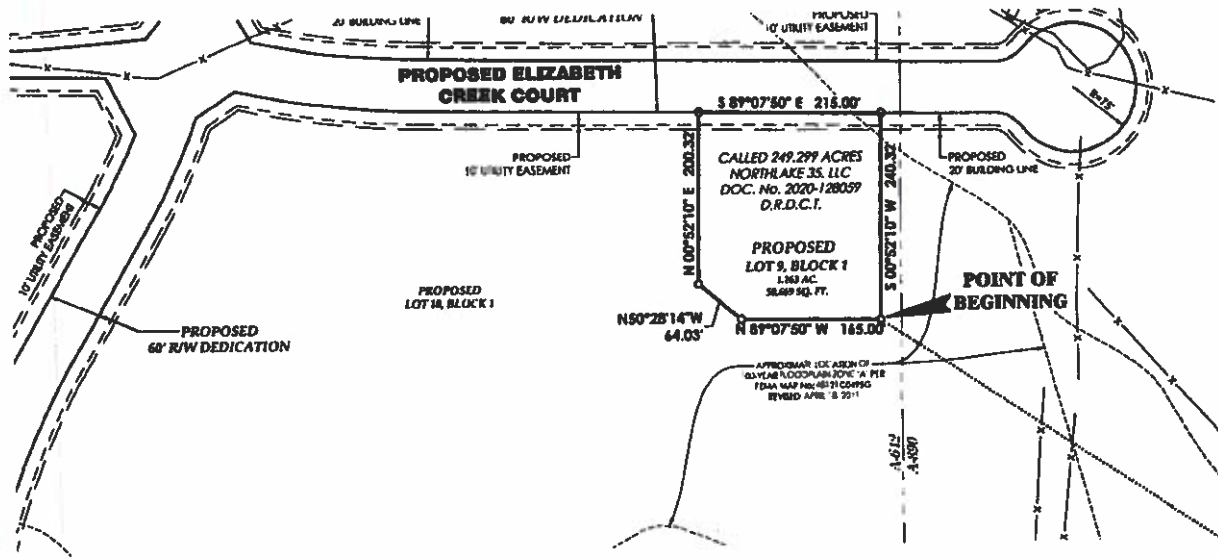
THENCE North 50 deg. 28 min. 14 sec. West, a distance of 64.03 feet to a 1/2" capped iron rod set;

THENCE North 00 deg. 52 min. 10 sec. East, a distance of 200.32 feet to a 1/2" capped iron rod set;

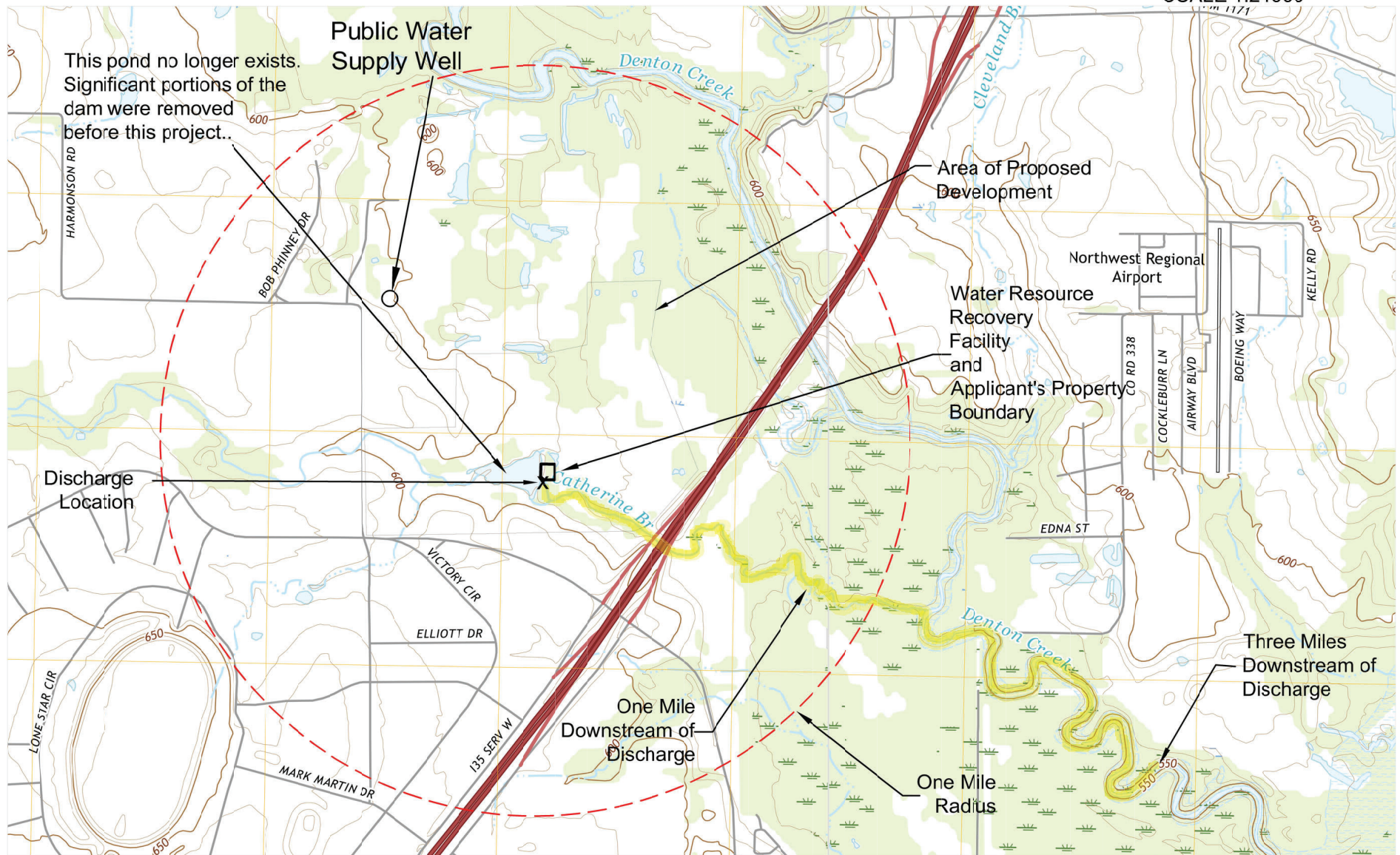
THENCE South 89 deg. 07 min. 50 sec. East, a distance of 215.00 feet to a 1/2" capped iron rod set;

THENCE South 00 deg. 52 min. 10 sec. West, a distance of 240.32 feet to the **POINT OF BEGINNING**, containing 50,669 square feet or 1.163 acres of land, more or less.

AS SUCH PROPERTY IS DEPICTED AS FOLLOWS:

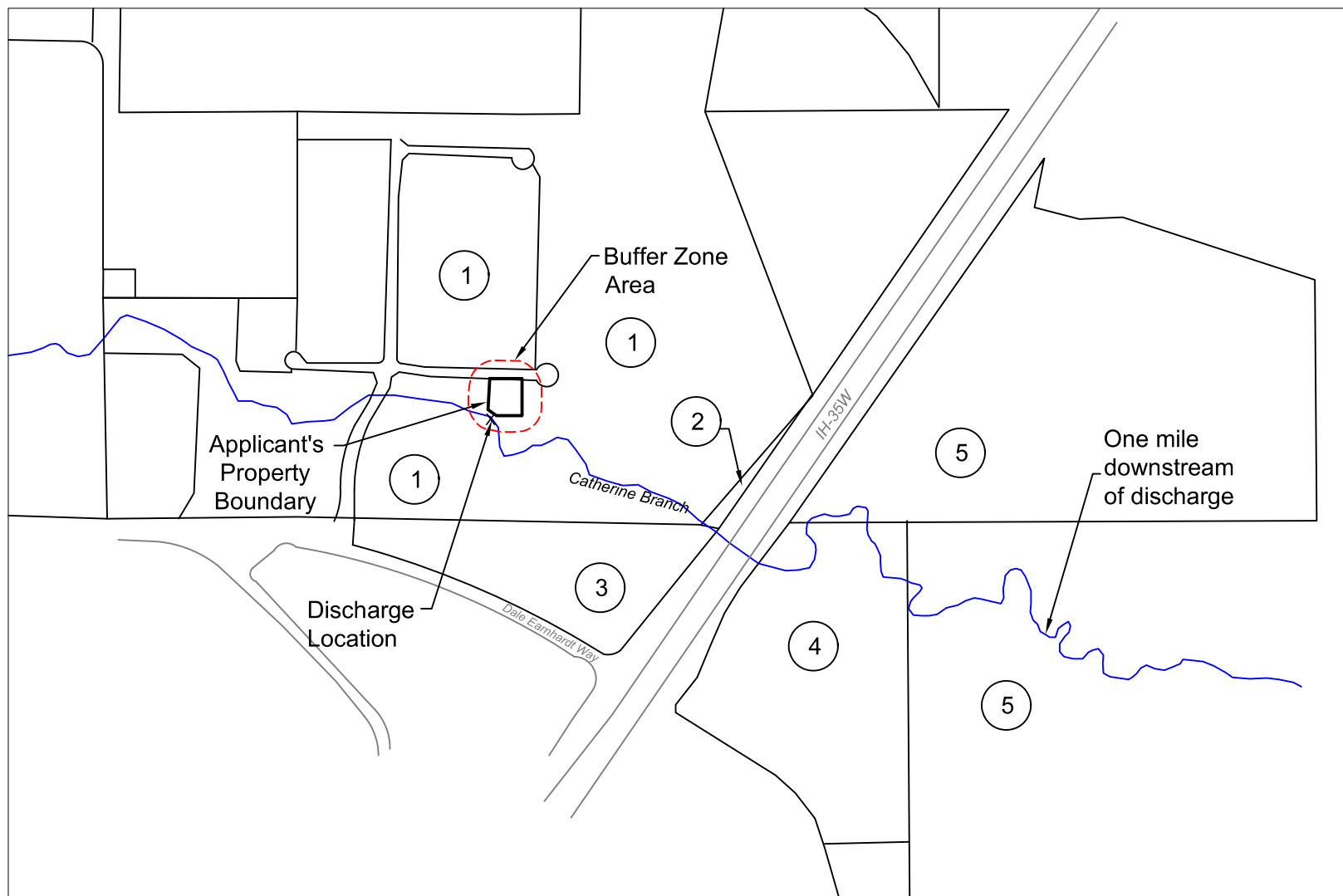


Attachment D
USGS Map
Admin Report 1.0, Section 13



ATTACHMENT D
TOWN OF NORTHLAKE - CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
USGS MAP

Attachment E
Affected Landowner Information
Tech Report 1.1, Section 1



**ATTACHMENT E.1
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
AFFECTED LANDOWNER MAP**

**ATTACHMENT E.2
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
AFFECTED LANDOWNER INFORMATION**

- 1 NORTHLAKE 35 LLC
1201 WEST PEACHTREE STREET
C/O ALSTON BIRD LLP
ATLANTA GA 30309-3449
- 2 FW SPORTS AUTH INC
1000 THROCKMORTON ST
FORT WORTH TX 76102-6311
- 3 PETRUS INV LP
C\O HILLWOOD ATTN LAURIE D ZIRPEL
9800 HILLWOOD PKWY STE 300
FORT WORTH TX 76177-1528
- 4 AIL INVESTMENT LP
C\O HILLWOOD ATTN LAURIE D ZIRPEL
9800 HILLWOOD PKWY STE 300
FORT WORTH TX 76177-1528
- 5 USA CORP OF ENGINEERS
819 TAYLOR STREET
FORT WORTH TX 76102-0300

Attachment F
Original Photographs
Admin Report 1.1, Section 2



Photograph 1. – At outfall looking west, upstream.

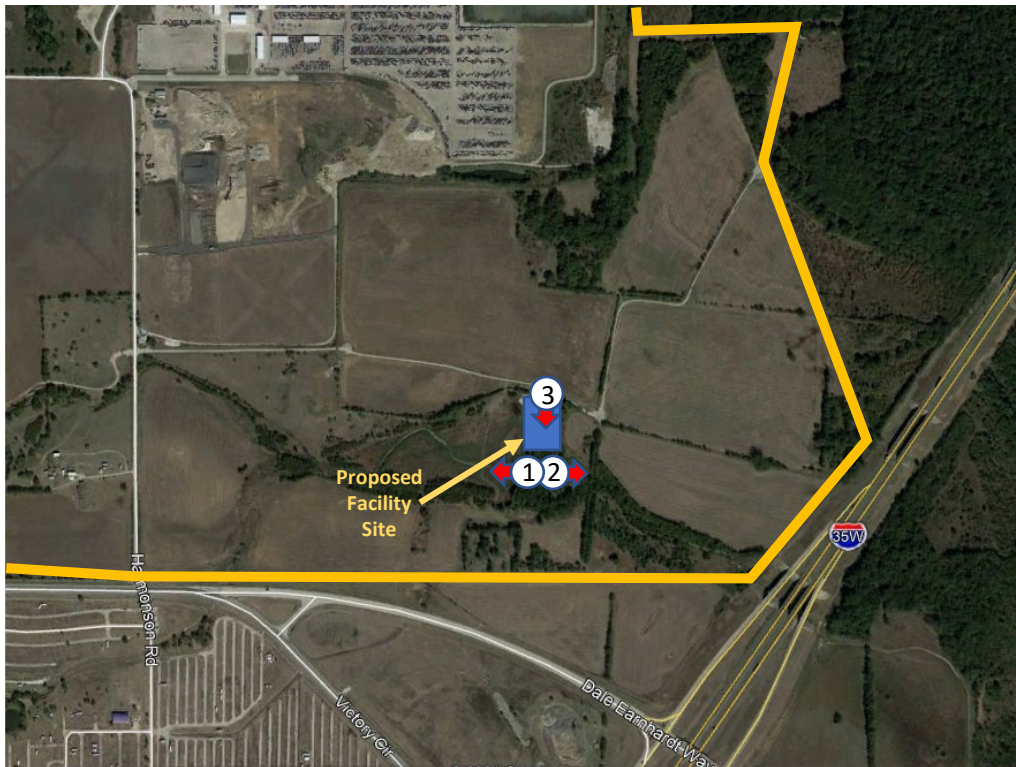


Photograph 2. – At outfall looking east, downstream.

**ATTACHMENT F.1
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
PHOTOGRAPHS**

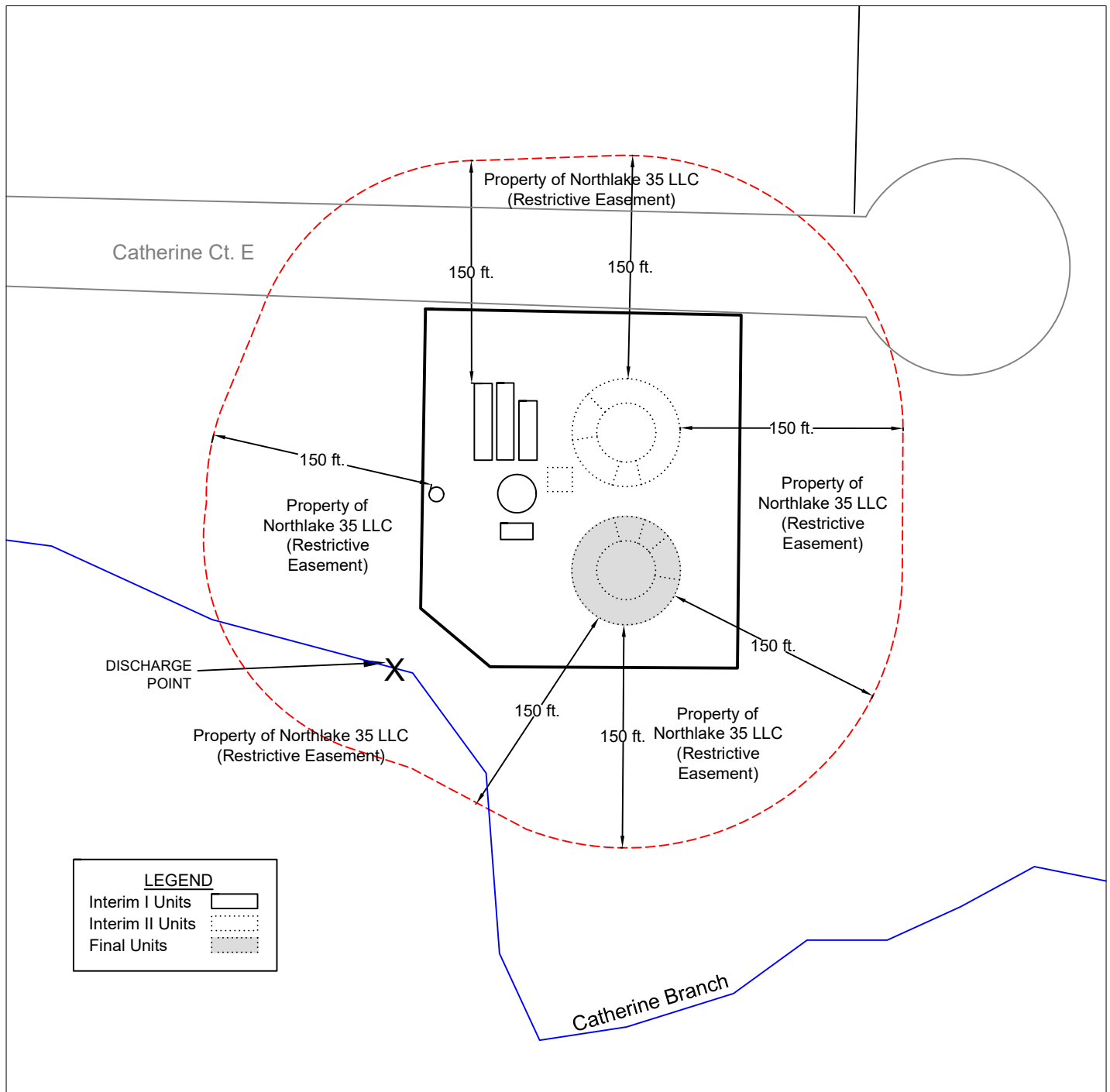
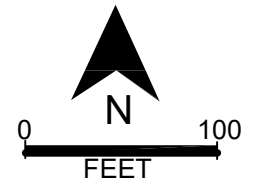


Photograph 3. – Proposed site of facility.



**ATTACHMENT F.2
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
PHOTOGRAPHS**

Attachment G
Buffer Zone Map
Admin Report 1.1, Section 3



ATTACHMENT G
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
BUFFER ZONE MAP

Attachment H
Treatment Process Description
Tech Report 1.0, Section 2.A

**ATTACHMENT H
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
PROCESS DESCRIPTION**

The treatment process for the Catherine Branch Water Resource Recovery Facility (WRRF) is as an activated sludge system with single-stage nitrification operated in a complete mix mode. Influent will enter the WRRF from a lift station. The influent then flows through an automatic or a manual bar screen to eliminate non-organic material and trash from the raw wastewater. Screened wastewater is then diverted to an aeration basin. The secondary treated water is, then transferred to a clarifier where the clear water flows over the weir plates into a launder trough. The clear water exits the clarifier to a chlorine disinfection basin thence through the discharge pipe to the discharge point.

The solids that settled in the clarifiers are air lifted back either to the head of the aeration process as Return Activated Sludge (RAS) or to the aerobic digester basins as Waste Activated Sludge (WAS). The sludges in the aerobic digester basins are thickened and hauled off to a processing facility. Supernatant from the thickener is returned to the aeration process. Stabilized biosolids will be hauled to an approved landfill for disposal.

The permit will have three phases of operation. The treatment units for each phase are as follows:

Interim I Phase (0.125 MGD)

The treatment units in the Interim I phase are a bar screen, two aeration basins, a final clarifier, two sludge digesters, and a chlorine contact chamber.

Interim II Phase (0.500 MGD)

The additional treatment units in the Interim II phase are an aeration basin, a final clarifier, two sludge digesters, and a chlorine contact chamber.

Final Phase (0.750 MGD)

The additional treatment units in the Final phase are an aeration basin, a final clarifier, two sludge digesters, and a chlorine contact chamber.

Attachment I
Treatment Unit List
Tech Report 1.0, Section 2.B

**ATTACHMENT I
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
TREATMENT UNITS**

Interim I Phase (0.125 MGD)

Treatment Unit Type	Number of Units	Dimensions
Aeration Basin	2	34' x 12' x 11.5' SWD
Clarifier	1	26' dia. X 10' SWD
Chlorine Contact Basin	1	22' x 11' x 9' SWD
Digester Basin	2	22' x 12' x 12.17' SWD

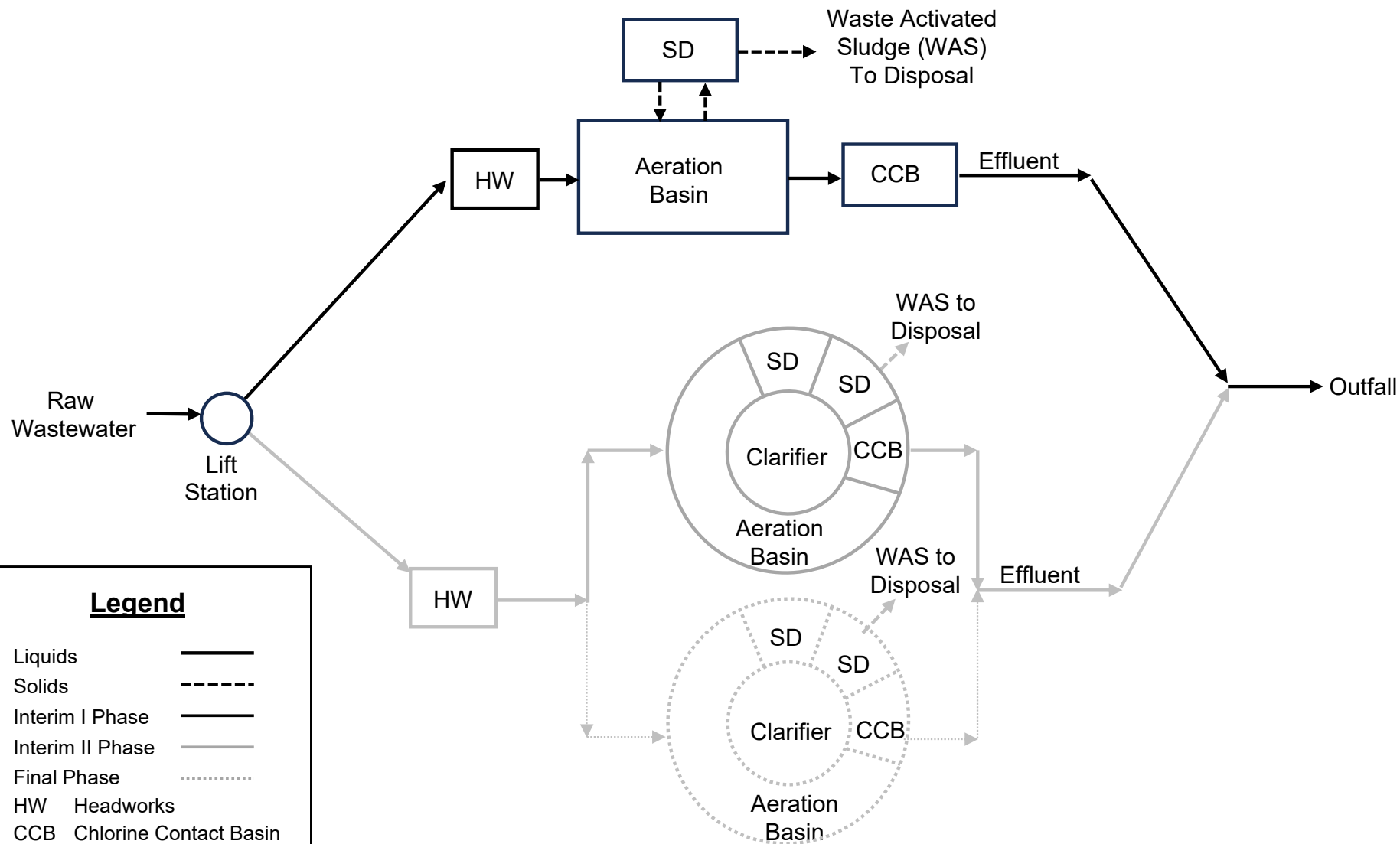
Interim II Phase (0.500 MGD) Additional Treatment Units

Treatment Unit Type	Number of Units	Volume/Dimensions
Aeration Basin	1	27,347 cu. ft.
Clarifier	1	40 ft. dia. X 12.07 ft. SWD
Chlorine Contact Basin	1	3,247 cu. ft.
Digester Basins	2	12,203 cu. ft., total

Final Phase (0.750 MGD) Additional Treatment Units

Treatment Unit Type	Number of Units	Volume/Dimensions
Aeration Basin	1	18,574 cu. ft.
Clarifier	1	33 ft. dia. X 12.05 ft. SWD
Chlorine Contact Basin	1	2,026 cu. ft.
Digester Basin	2	8,217 cu. ft., total

Attachment J
Process Flow Diagram
Tech Report 1.0, Section 2.C

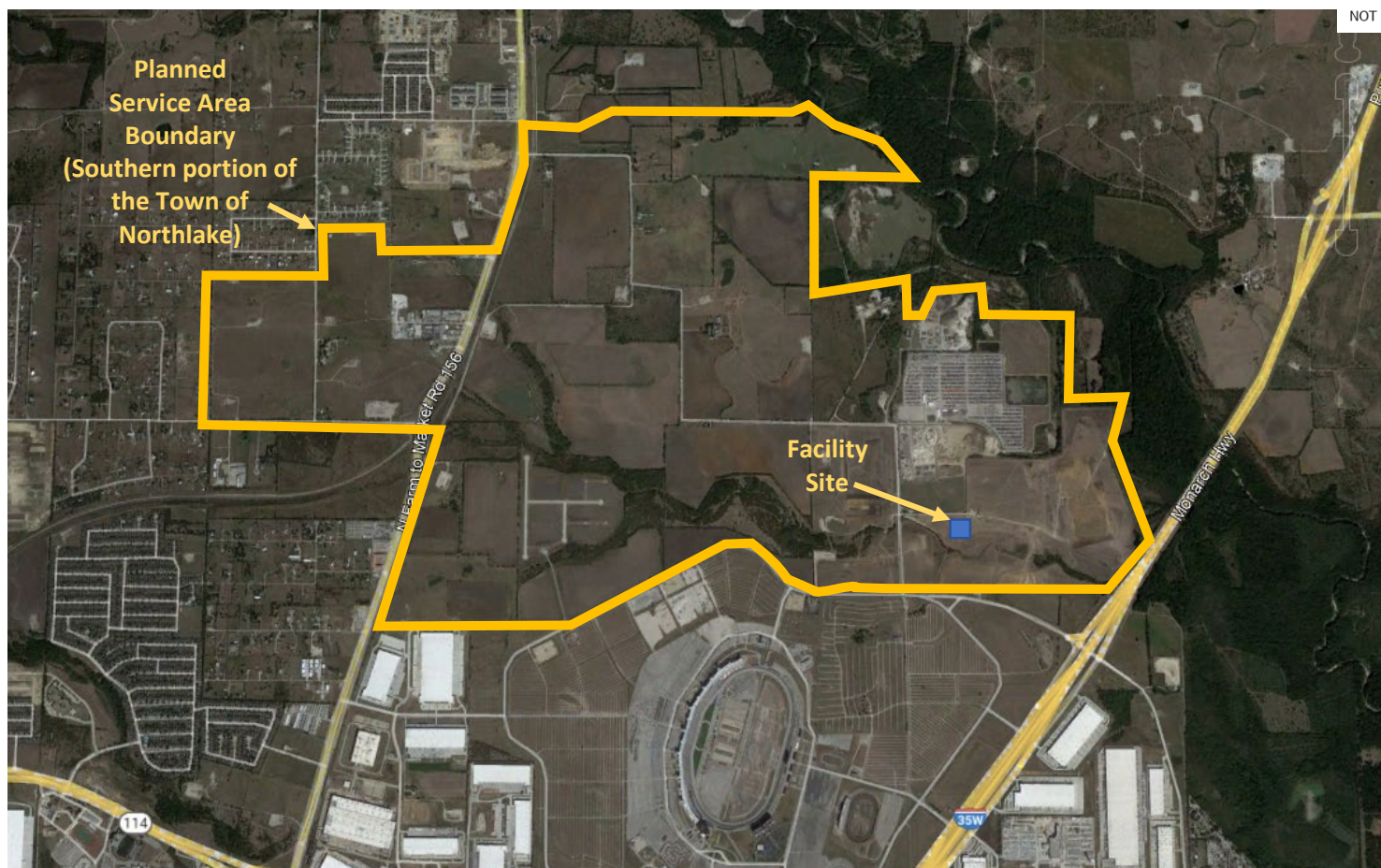


ATTACHMENT J
CITY OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
PROCESS FLOW DIAGRAM

Attachment K
Site Drawing
Tech Report 1.0, Section 3



NOT TO SCALE



ATTACHMENT K
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
SITE DRAWING

Attachment L
Justification for Permit
Tech Report 1.1, Section 1.A

ATTACHMENT L
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
JUSTIFICATION FOR PERMIT

The Town of Northlake (Town), which is located along I-35W between Fort Worth and Denton, has been experiencing significant growth over the last several years. Positioned just north of the Texas Motor Speedway, the Town has experienced growth in both the residential and commercial sectors. Given its location near several major highways, developers continue to see opportunities to further develop the area, particularly large warehouse facilities in the southern part of the Town that is within a few miles of Fort Worth's Alliance Airport where wastewater treatment services are not currently provided.

The Catherine Branch Water Resource Recovery Facility (WRRF) will provide wastewater treatment services to the proposed Northlake 35 Logistics Park, which will consist of 5 large warehouses totaling almost 2,000,000 square feet and new residential areas. The Catherine Branch WRRF will play a significant role in the economy of the Town, providing wastewater treatment for the development and others to come soon.

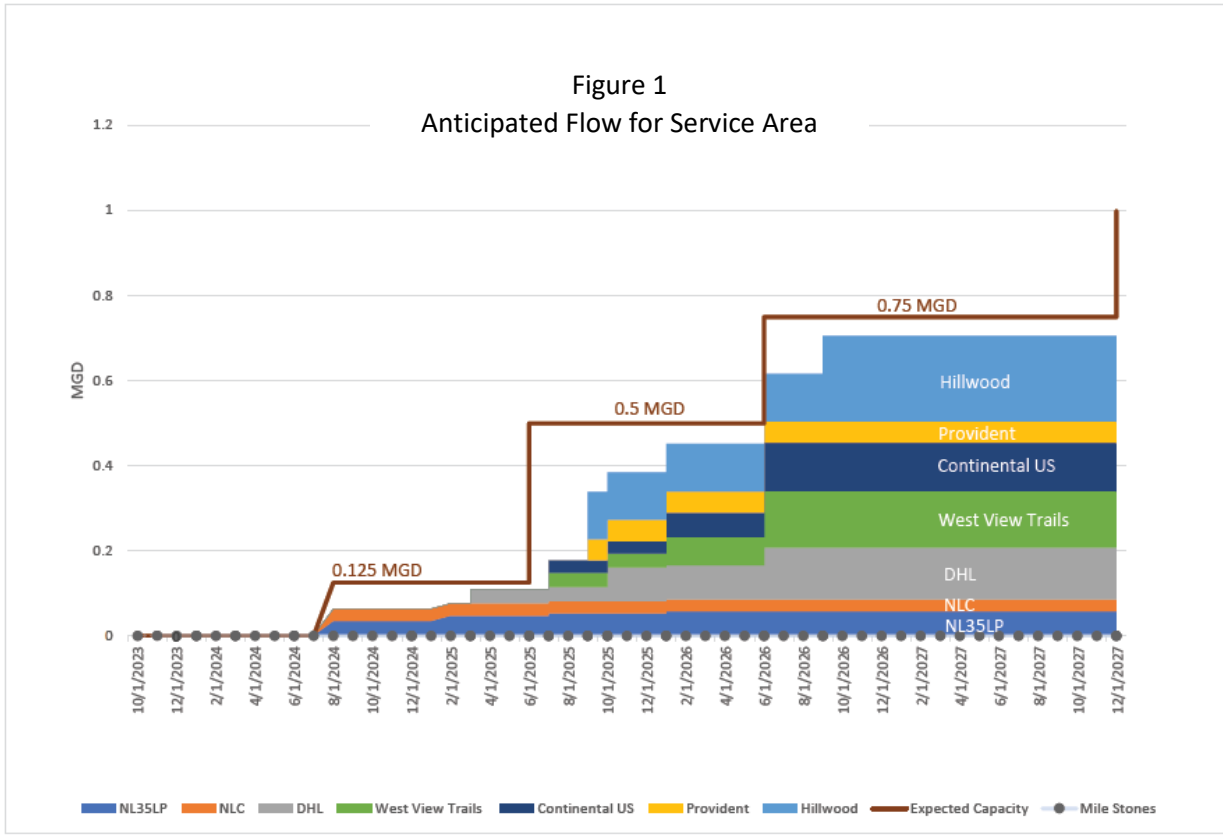
Table 1 presents the total project flows for the proposed service area. Figure 1 is the expected rate of increase in the wastewater generated in the service area.

Table 1 –Wastewater Flow Projections

Development	Character Area	Employees/Residents	Average Flow (MGD)¹
Northlake I35 Logistic Park	Light Industrial Warehouse	1,600	0.057
Northlake I35 Logistic Crossing	Light Industrial Warehouse	800	0.029
DHL	Light Industrial Warehouse	2,300	0.122 ²
Provident	Light Industrial Warehouse	1,400	0.050
Hillwood	Light Industrial Warehouse	6,700	0.235
West View Trails	Single-Family Residential	1,300	0.130
Continental US	Single-Family Residential	1,140	0.114
Total			0.737

¹ Average flow based on 35 gallons per day (gpd) per employee and 100 gpd per resident.

² Wastewater flow provided by developer.



The Town plans to build a new interceptor that will convey flows from the service area into an existing interceptor owned by the Trinity River Authority (TRA) and into the TRA Denton Creek Regional Wastewater System. Once the proposed interceptor is constructed and online, the Town plans to decommission the WRRF. To ensure reliable services to the customers in the area prior to the completion of the TRA interceptor, the proposed permit is requested.

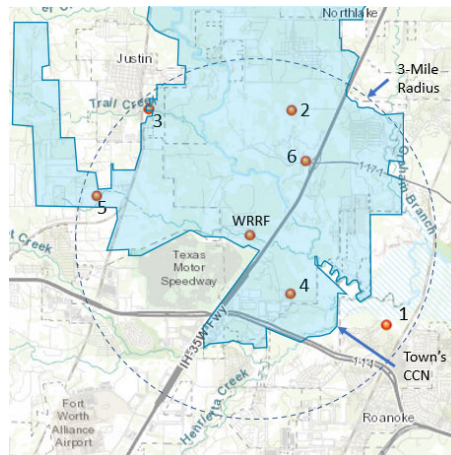
Attachment M
Nearby Collection System
Tech Report 1.1, Section 1.B.3

ATTACHMENT M
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
NEARBY WASTEWATER TREATMENT SYSTEMS

The proposed Town of Northlake Catherine Branch Water Resource Recovery Facility (WRRF) is located approximately 2000 feet northwest of the intersection of Interstate Highway 35W and Dale Earnhardt Way in Denton County, Texas near the Town of Northlake. It is within the Town of Northlake sewer CCN.

The Town of Northlake is an existing customer of the Trinity River Authority of Texas (TRA) for wastewater treatment services. Extending services to the southern portion of the Town of Northlake sewer CCN area is proposed in the 2018 Master Plan for the TRA Denton Creek Regional Wastewater System (DCRWS). The construction of significant infrastructure to convey wastewater flows to DCRWS, however, is required. The scheduling of the construction of the infrastructure is uncertain and has been estimated to cost \$13 million. The Town of Northlake proposes to construct the Catherine Branch WRRF as a temporary treatment facility in the interim until the construction of the TRA DCRWS interceptors can be completed.

The outfalls for the wastewater treatment systems that are within three miles of the WRRF that are in operation and the proposed Northlake Corners LLC are presented on the map below.



Nearby Permitted Wastewater Outfall Map

The TPDES permit numbers for the nearby wastewater treatment systems and distance from the WRRF are as follows:

1. TRA DCRWS (TPDES No. WQ0013457001) – 2.8 miles
2. HP Gibbs LP (TPDES No. WQ0015551001) – 2.3 miles
3. City of Justin (TPDES No. WQ0011312001) – 2.9 miles
4. Northlake Partners LTD (TPDES No. WQ0014484001) – 1.2 miles
5. Northlake Corners LLC (TPDES No. WQ0015791001) – 1.6 miles

Attachment N
Design Calculations and Plant Features
Tech Report 1.1, Section 4

ATTACHMENT N
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
DESIGN CALCULATIONS AND PLANT FEATURES

CATHERINE BRANCH WRRF

Phase I: 125,000 GPD

Data	Quantity		
Permitted Average Daily Flow	125,000 gpd	87 gpm	0.193 cfs
Peak 2-hour Flow	500,000 gpd	347 gpm	0.774 cfs
BOD5 Concentration	300 mg/l		
Maximum Aeration Zone Loading	35 lbs of BOD5 / 1,000 cf		
Minimum Aerobic Digester Loading	20 cf/lbs of BOD5/day		
Minimum SRT for Digester	40 days @	1.5 % Concentration	
Maximum Clarifier Surface Loading	1,200 gpd/sf (@ peak flow)		
Minimum Clarifier Detention Time	1.8 hr (@ peak flow)		
Minimum Disinfection Basin Detention Time	20 min (@ peak flow)		
Air Supply (Aeration Zone)	3,200 scfm/day/lb of BOD5		
Air Supply (Aerobic Digester)	30 scfm/1,000 cf of volume		
Air Supply (Disinfection)	20 scfm/1,000 cf of volume		

Calculations of Requirements

BOD5 Loading 312.75 lbs/day

Unit Requirements	Quantity
Aeration Zone Volume	8,936 cf
Aerobic Digester Volume at Minimum Loading	6,255 cf
Aerobic Digester Volume at Minimum SRT	3,753 cf
Clarifier Surface Area	417 sf
Clarifier Volume at Minimum Detention Time	5,013 cf
Disinfection Volume	928 cf

Air Supply Requirements	Quantity	
Aeration Process	653 scfm	Note: The process calculation is based on 10' of submergence with a correction factor of 1.56 and clean water transfer efficiency of 0.85% per foot of submergence.
Digester	193 scfm	
Disinfection	44 scfm	
Air Lift Pumps & Initial Mixing	60 scfm	
Total Air Required	949 scfm	

Proposed Unit Features

Proposed Units	Quantity	#Units	Length	Width	Height	SWD
Aeration Zone Volume	9,384 cf	2	34	12	13.17	11.50
Aerobic Digester Volume	6,426 cf	2	22	12	13.17	12.17
Clarifier Surface Area	531 sf	1		26	13.17	
Clarifier Volume	5,309 cf					10.00
Chlorine Contact Volume	2,178 cf	1	22	11	11.17	9.00
Blowers	475 scfm	3	30.0 hp			

CATHERINE BRANCH WRRF
Phase II: 500,000 GPD
(Calculations for additional treatment units.)

Influent Conditions

	GPD	GPM	CFS
Average Daily Flow (Qav)	375,000	174	0.387
2 hr. Peak Flow (Qpk)	1,500,000	694	1.547
BOD ₅ (lbs/day)		938 lbs/day	
TSS (lbs/day)		938 lbs/day	
NH ₃ (lbs/day)		141 lbs/day	

Aeration Basin

Aeration Volume Required	26,807 cf
Total Aeration Volume Available	27,347 cf
Total Aeration Volume Available	204,556 gals
Organic Loading (lbs/day/1000cf)	34.3 lbs
Maximum Organic Loading (lbs/day/1000cf)	35.0 lbs

Total Aeration Zone One (1) Zone with 27,347 cf. & Wall at 228 degrees.

Clarifier

Clarifier Area Required	1,250 sf
Diameter	40 ft
Area	1,257 sf
Maximum Surface Loading	1,200 GPD/sf
Surface Loading @ Qpk	1,194 GPD/sf
Stilling Well Diameter	7 ft
Stilling Well Area	38.48 sf
Stilling Well Velocity	0.065 ft/sec
Side Water Depth	12.07 ft
Detention Time @ Qpk	2.72 hrs

Clarifier Clarifier: 40-ft ø with 12.07-ft SWD

Clarifier Weir

Clarifier Wall to Weir Length	12 in
Weir Diameter	38 ft
Weir Length	119.38 ft
Maximum Weir loading at Qpk	20,000 GPD/ft
Weir Loading at Qpk	12,565 GPD/ft
Clarifier Wall to Weir Area	123 sf
Maximum Upflow Velocity	0.10 ft/sec
Upflow Velocity at Qpk	0.0126 ft/sec

CATHERINE BRANCH WRRF
Phase II: 500,000 GPD - Continue
(Calculations for additional treatment units.)

Disinfection Chamber

Disinfection Volume Required	1,857 cf
Volume Available (c.f.)	3,247 cf
Volume Available (gal.)	24,290 gal
Minimum Detention Time	20 min
Actual Detention Time @ Qpk	34.98 min

Disinfection One (1) Basin, with 3,247 cf. & Walls at 32 degrees.

Digesters

Volume Required	11,259 cf
Total Volume Available	12,203 cf
Digester Loadings	13.01 cf/lb

Digesters Two (2) Basins, each with 6,102 cf. & Walls at 50 degrees.

CATHERINE BRANCH WRRF
Phase II: 750,000 GPD - Continued
(Calculations for additional treatment units.)

Disinfection Chamber

Disinfection Volume Required 1,857 cf
Volume Available (c.f.) 2,026 cf
Volume Available (gal.) 15,153 gal
Minimum Detention Time 20 min
Actual Detention Time @ Qpk 21.82 min
Disinfection One (1) Basin, with 2,026 cf. & Walls at 30 degrees.

Digesters

Volume Required 7,506 cf
Total Volume Available 8,217 cf
Digester Loadings 13.14 cf/lb

Digesters Two (2) Basins, each with 4,109 cf. & Walls at 50 degrees.

ATTACHMENT N (CONTINUED)

A. Emergency Power Requirements

The initial phase (Interim I) of the Catherine Branch Water Resource Recovery Facility (WRRF) located in Northlake, TX will consist of a 480V/3 phase wye Radial Utility System with a standby power generation to the new WRRF facility. There will be a single primary feed entering the facility property and connecting to a 400A Automatic Transfer Switch (ATS) with bypass isolation, delayed transition; for this phase. To ensure a high degree of power system reliability, a standby generator will be implemented for power backup of all facility loads. Downstream from the 400A ATS will be a panelboard and motor control center feeding all electrical equipment, general power, lighting and control panels as needed.

For Interim Phase II and the Final Phase, there will be a second primary feed entering the facility property (stubbed up from the existing utility transformer pad) and connecting to a second 400A Automatic Transfer Switch (ATS) with bypass isolation, delayed transition. To ensure a high degree of power system reliability, a second standby generator will be implemented for power backup of all facility loads. Downstream from the 400A ATS will be a panelboard and motor control center feeding all electrical equipment, general power, lighting and control panels as needed.

A generator Remote annunciating panel will be provided at the control room for plant staff's capability to monitor the standby power system and will be interfaced with the Supervisory Control and Data Acquisition (SCADA). Emergency light fixtures with 1.5hr battery backup capabilities will be provided to reach the 1 fc requirements in case of a power outage. The standby generator will be sufficient to provide power for the units in Tables 1 and 2 below.

Table 1: Interim Phase II Preliminary Load Analysis

CATHERINE BRANCH WRRF PRELIMINARY ELECTRICAL LOAD ANALYSIS						
INTERIM PHASE II						
ITEM	LOAD	HP RATING	VOLTAGE	FLA	KVA	DUTY STARTER
1	BLOWER 1	30	480V/3PH	40	33	Y
2	BLOWER 2	30	480V/3PH	40	33	Y
3	BLOWER 3	30	480V/3PH	40	33	Y
4	BLOWER 4	31	480V/3PH	40	33	Y
5	BLOWER 5	32	480V/3PH	40	33	Y
6	CLARIFIER DRIVE #1		480V/3PH	1.1	1	Y
7	CLARIFIER DRIVE #2		480V/3PH	1.1	1	Y
8	NPW PUMP #1	5	480V/3PH	4.8	4	Y
9	NPW PUMP #2	5	480V/3PH	4.8	4	Y
10	FLOW METER	3	480V/3PH	4.8	4	Y
11	LIFT STATION PANEL	---	480V/3PH		35	Y
11	GENERAL POWER	---	120V/1PH		6	Y
12	LIGHTING	---	277V/1PH		7	Y

ATTACHMENT N (CONTINUED)

13	CONTROLS EQUIPMENT	---	120V/1PH	4	Y	---
TOTAL kVA=				240	kVA	
TOTAL AMPS=				289	A	
NOTE: <i>Total load kVA calculated with + 25% of Largest Motor Load.</i>						

Table 2: Final Phase Preliminary Load Analysis

CATHERINE BRANCH WWTP PRELIMINARY ELECTRICAL LOAD ANALYSIS						
FINAL PHASE						
ITEM	LOAD	HP RATING	VOLTAGE	FLA	KVA	DUTY STARTER
1	BLOWER 1	30	480V/3PH	40	33	Y
2	BLOWER 2	30	480V/3PH	40	33	Y
3	BLOWER 3	30	480V/3PH	40	33	Y
4	BLOWER 4	31	480V/3PH	40	33	Y
5	BLOWER 5	32	480V/3PH	40	33	Y
6	CLARIFIER DRIVE #1		480V/3PH	1.1	1	Y
7	CLARIFIER DRIVE #2		480V/3PH	1.1	1	Y
8	NPW PUMP #1	5	480V/3PH	4.8	4	Y
9	NPW PUMP #2	5	480V/3PH	4.8	4	Y
10	FLOW METER	3	480V/3PH	4.8	4	Y
11	LIFT STATION PANEL	---	480V/3PH		35	Y
11	GENERAL POWER	---	120V/1PH		6	Y
12	LIGHTING	---	277V/1PH		7	Y
13	CONTROLS EQUIPMENT	---	120V/1PH		4	Y
TOTAL kVA=				240	kVA	
TOTAL AMPS=				289	A	
NOTE: <i>Total load kVA calculated with + 25% of Largest Motor Load.</i>						

B. Alarm Features

Multi-Function Power Meters will be provided at Main distribution panelboards to capture trends of electrical parameters to the SCADA system. Variables such as: Voltage, Amperes, kW, kVAR, Power Factor, Frequency, kWh, kVAh, kVARh, %Total Harmonic Distortion and Peak Power Parameter Limit Alarms will be

ATTACHMENT N (CONTINUED)

monitored. An Ethernet/IP link will be provided to interface between the power meter and SCADA PLC for data trending capabilities.

A new fire alarm system will be provided at the Electrical, Control, and Blower Rooms. The main Fire Alarm Control Panel (FACP) will be located in the Electrical Room. Smoke detectors, Heat detectors, Visual and Audio alarms will be provided per the International Fire Code. A Fire Alarm Annunciating Panel (FAAP) will be provided in the SCADA station location so that plant operators can oversee the fire alarm system state at a glance.

C. Design Features for Reliability

1. **Influent Lift Station:** A two (2) pump lift station of 20 hp rating for each pump is recommended for the Catherine Branch Wastewater Treatment Plant with one pump being enough to handle the Interim Phase I 2-hour peak flowrate and the other pump used as a backup for redundancy. Two larger pumps will be added to replace the Interim Phase I pumps to handle flows through Final Phase.
2. **Bar Screen:** An automatic bar screen will be used for the Catherine Branch WRRF
3. **Aeration Basins:** Two independent aeration basins will be included for each phase and these aeration basins will be sized to provide the treatment volume required for each phase.
4. **Clarifier and Chlorine Contact Units:** These units will be designed to handle phase IV peak flow rates during Phase III of the WRRF.
5. **Dry-Type Transformers:** High efficiency dry type transformers are provided to step down the 480Y/277V three phase system voltage to 208Y/120V utilization voltage for receptacles, PLCs and Network Cabinets that will provide power to process instruments if needed. Separately derived systems will be grounded per National Electrical Code.
6. **Transients:** To guard electrical equipment from transient surge conditions of thousands of volts or instantaneous current flow of thousands of amperes, Surge Protective Devices (SPDs) are implemented. Surges caused by switching power supplies, electronic ballasts, variable frequency drives, lightning and utility load switching are protected by the SPDs implemented in the design.

D. Overflow Prevention

1. The flow projections for the WRRF design were established based on a Ratio of Design Load to Average Load/Peaking factor of 4.0 corresponding to the minimum required in TCEQ Chapter 217 when site specific data is unavailable to insure adequate hydraulic capacity through a conservative approach.
2. The influent lift station recommended will be a three (3) pump lift station with two pumps having the capacity to pump Phase IV 2-hour peak flowrates therefore one pump will act as a backup for redundancy should there be a failure of the other pump.
3. The package WRRF hydraulic design and all features connected to the plant will be sized to allow the 2-hour peak flowrates anticipated for each phase to pass through the facility without overflowing with any single treatment unit out of service. The clarifier and the chlorine contact units will be designed to handle phase IV peak flow rates during Phase III of the WRRF.

Attachment O
Wind Rose
Tech Report 1.1, Section 5.B

DFW Jan-Dec 1984-92

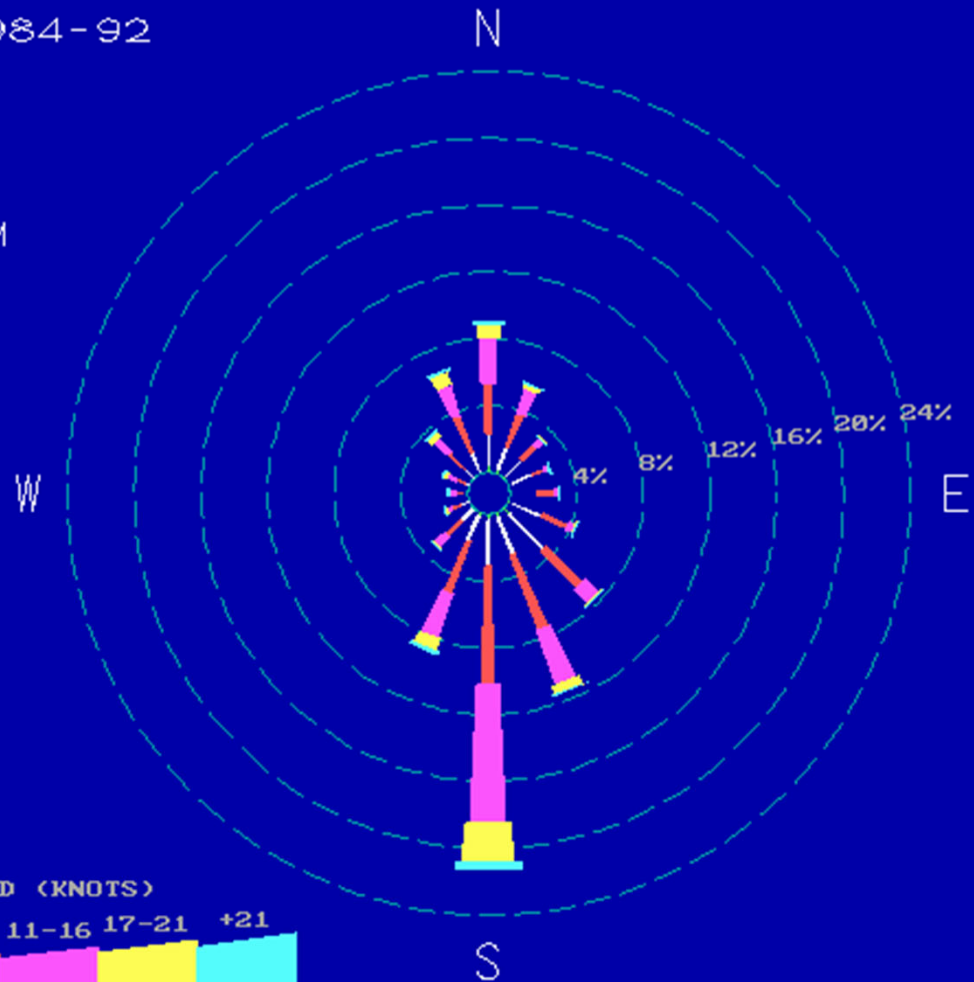
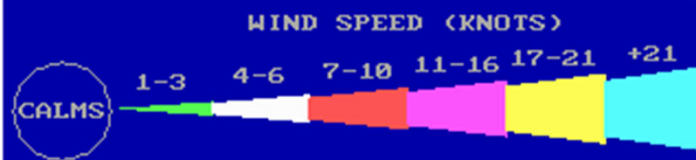
January 1

December 31

Midnight-11 PM

NOTE: Frequencies
indicate direction
from which the
wind is blowing.

CALM WINDS 4.64%



ATTACHMENT O
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
WIND ROSE

Attachment P
Sewage Sludge Solids Management Plan
Tech Report 1.1, Section 7

ATTACHMENT P
TOWN OF NORTHLAKE
CATHERINE BRANCH WATER RESOURCE RECOVERY FACILITY
TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION
SEWAGE SLUDGE SOLIDS MANAGEMENT PLAN

Interim I Phase – 0.125 MGD

The Interim I Phase sewage sludge solids management is based on an assumed weight of 0.315 pounds of dry sludge produced per pound of BOD₅ removed, solids concentration of 1.5% in the tank and a stabilized sludge density equal to that of water (8.34 lb/gal). The total sludge holding tank volume for the Phase I flows is estimated at 6,426 cubic feet (cf), total volume of the two aerobic digester basins, and the aeration basins mixed liquor suspended solids (MLSS) operating range estimated at 1,500 mg/l to 3,000 mg/l. The Interim I Phase sludge holding tank and aeration basins dimensions and capacities are shown in Attachment I. The solids generated are estimated as shown in Table P.1 below.

Table P.1 - Solids Generated

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds BOD ₅ /day Removed	302	227	151	76
Pounds/Day of Dry Sludge Produced	95	71	48	24
Pounds/Day of Wet Sludge Produced	6,349	4,762	3,174	1,587
Gallons/Day of Wet Sludge Produced	761	571	381	190

The generated sludge during the Interim I Phase wastewater treatment will stay in the aerobic digesters while clean liquor will be decanted off the digester and returned to the aeration basin. Sludge will also be transferred from the final clarifier to the aerobic basin as well as to the aeration basin and the schedule of sludge removal is shown in Table P.2 below.

Table P.2 - Schedule of Sludge Removal

Design Flow	100% Flow	75% Flow	50% Flow	25% Flow
Days Between of Sludge Removal	63	84	126	253

Interim II Phase - 0.500 MGD

The Interim II Phase sewage sludge solids management is designed based on an assumed weight of 0.315 pounds of dry sludge produced per pound of BOD₅ removed, solids concentration of 1.5% in the tank and a stabilized sludge density equal to that of water (8.34 lb/gal). The total sludge holding tank volume for the Interim II Phase flows is estimated 25,704 cubic feet, total volume of the four aerobic digester basins, and the aeration basins mixed liquor suspended solids (MLSS) operating range estimated at 1,500 mg/l to 3,000 mg/l. The solids generated are estimated as shown in Table P.3 below.

Table P.3: Solids Generated

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds BOD ₅ /day Removed	1,210	906	604	302
Pounds/Day of Dry Sludge Produced	380	286	190	96
Pounds/Day of Wet Sludge Produced	25,396	19,046	12,696	6,348
Gallons/Day of Wet Sludge Produced	3,046	2,284	1,522	762

The generated sludge during the Interim II Phase wastewater treatment will stay in the aerobic digesters while clean liquor will be decanted off the digester and returned to the aeration basin. Sludge will also be transferred from the final clarifier to the aerobic basin as well as to the aeration basin and the schedule of sludge removal is shown in Table P.4 below.

Table P.4: Schedule of Sludge Removal

Design Flow	100% Flow	75% Flow	50% Flow	25% Flow
Days Between of Sludge Removal	63	84	126	253

Final Phase - 0.750 MGD

The Final Phase sewage sludge solids management is designed based on an assumed weight of 0.315 pounds of dry sludge produced per pound of BOD₅ removed, solids concentration of 1.5% in the tank and a stabilized sludge density equal to that of water (8.34 lb/gal). The total sludge holding tank volume for the Final Phase flows is estimated at 33,921 cubic feet, total volume of the six aerobic digester basins, and the aeration basins mixed liquor suspended solids (MLSS) operating range estimated at 1,500 mg/l to 3,000 mg/l. The solids generated are estimated as shown in Table P.5 below.

Table P.5: Solids Generated

Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds BOD ₅ /day Removed	1,836	1377	918	459

Pounds/Day of Dry Sludge Produced	578	434	289	145
Pounds/Day of Wet Sludge Produced	38,546	28,909	19,273	9,636
Gallons/Day of Wet Sludge Produced	4,622	3,466	2,311	1,155

The generated sludge during the Final Phase wastewater treatment will stay in the aerobic digesters while clean liquor will be decanted off the digester and returned to the aeration basin. Sludge will also be transferred from the final clarifier to the aerobic basin as well as to the aeration basin and the schedule of sludge removal is shown in Table P.6 below.

Table P.6: Schedule of Sludge Removal

Design Flow	100% Flow	75% Flow	50% Flow	25% Flow
Days Between of Sludge Removal	18	25	37	74