



Technical 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. Second notice (NAPD-Notice of Preliminary Decision)
 - English
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 4. Application materials *
 5. Draft permit *
 6. Technical summary or fact sheet *
-



Portada de Paquete Técnico

Este archivo contiene los siguientes documentos:

1. Resumen de la solicitud (en lenguaje sencillo)
 - Inglés
 - Idioma alternativo (español)
2. Primer aviso (NORI, Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
 - Inglés
 - Idioma alternativo (español)
3. Segundo aviso (NAPD, Aviso de Decisión Preliminar)
 - Inglés
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4. Materiales de la solicitud **
5. Proyecto de permiso **
6. Resumen técnico u hoja de datos **



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by [Title 30, Texas Administrative Code \(30 TAC\), Chapter 39, Subchapter H](#). Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in [30 TAC Section 39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS **INDUSTRIAL** WASTEWATER/STORMWATER

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

The Brownsville Navigation District (BND), located at 1000 Foust Road in Brownsville, Cameron County, Texas, (CN600520126) operates BND's Ballast Pits No. 1 and No. 2 (RN102076502), a pair of evaporation ponds for the disposal of industrial wastewater. The facility is located at 9555 State Highway 48 (Pit No. 1) and 10455 State Highway 48 (Pit No. 2), in Brownsville, Cameron County, Texas 78521. The BND has applied to the Texas Commission on Environmental Quality (TCEQ) for renewal of TCEQ Permit No. WQ0002597000, which authorizes the disposal of oily industrial wastewater in two evaporation ponds. These ponds are referred to as Ballast Pits No. 1 and No. 2. The oily industrial wastewater is generated from the marine cargo handling facilities at the Port of Brownsville and includes ballast water and bilge water from ocean-going vessels or vessels being dismantled in the port area; wastewater from storage tanks for crude petroleum, kerosene and diesel fuel; wastewater from clean-up of petroleum spills on water; and wastewater containing oily wastes from the sewage treatment plant and/or vegetable oil handling activities. Any oily material which is

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0002597000

APPLICATION. Brownsville Navigation District, 1000 Foust Road, Brownsville, Texas 78521, which owns a marine cargo handling facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0002597000 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 100,000 gallons per day via evaporation of a combined surface area of 31.79 acres and a combined storage capacity of 127.2 acre-feet. The facility and disposal area are located at 9555 State Highway 48 and 10455 State Highway 48, both on the south side of State Highway 48 and east of the intersection of State Highway 48 and Farm-to-Market Road 511, with Pit No. 1 located 4 miles east of the intersection, and Pit No. 2 located 1.5 miles east of the intersection, near the city of Brownsville, in Cameron County, Texas 78521. TCEQ received this application on January 2, 2025. The permit application will be available for viewing and copying at Brownsville Navigation District - Administration Building, reception area, 1000 Foust Road, Brownsville, in Cameron County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-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=-97.383888,25.965833&level=18>

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

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

El aviso de idioma alternativo en español está disponible en

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-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.**

TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

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 Brownsville Navigation District at the address stated above or by calling Mr. Ariel Chavez II, P.E./R.P.L.S., Director of Engineering Services, at 956-831-4592.

Issuance Date: February 3, 2025

Comisión de Calidad Ambiental del Estado de Texas



AVISO DE RECEPCIÓN DE LA SOLICITUD Y LA INTENCIÓN DE OBTENER CALIDAD DEL AGUA PERMISO RENOVACIÓN

PERMISO NO. WQ0002597000

SOLICITUD. El Distrito de Navegación de Brownsville (BND), 1000 Foust Road, Brownsville, Condado de Cameron, Texas 78521, que opera los Pozos de Lastre Núm. 1 y Núm. 2, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) por una renovación del Permiso No.WQ0002597000 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo máximo diario de 100,000 galones por día por evaporación de un área de superficie combinada de 31.79 acres y una capacidad de almacenamiento combinada de 127.2 acres-pies. La planta y el sitio de disposición se ubican en la Carretera Estatal 48 No. 9555 (Pozo Núm. 1) y Carretera Estatal 45 No. 10455 (Pozo Núm. 2), ambos están al lado sur del Carretera Estatal No. 48 y al este del intersección de la Carretera Estatal 48 y el Camino Rural 511, con el Pozo de Lastre Núm. 1 situado 4 millas al este de la intersección, y el Pozo de Lastre Núm. 2 situado 1.5 millas al este de la intersección, cerca de la ciudad de Brownsville, en el Condado de Cameron, Texas. La TCEQ recibió esta solicitud el día 2 de enero de 2025. La solicitud para el permiso estará disponible para lectura y copiar en la área de recepción en el Edificio de Administración, ubicado en 1000 de la Calle Foust en Brownsville, Texas antes de la fecha de publicación de este aviso en el periódico. Esta solicitud, incluyendo las actualizaciones, y avisos asociados están disponibles electrónicamente por el siguiente enlace:

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

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.383888,25.965833&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 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 El Distrito de Navegación de Brownsville (BND) a la dirección indicada arriba o llamando a Sr. Ing. Ariel Chavez II, P.E./R.P.L.S., al 956-831-4592.

Fecha de emission: 3 de febrero de 2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR LAND APPLICATION PERMIT FOR INDUSTRIAL WASTEWATER

RENEWAL

Permit No. WQ0002597000

APPLICATION AND PRELIMINARY DECISION. Brownsville Navigation District, 1000 Foust Road, Brownsville, Texas 78521, which operates the Brownsville Navigation District's Ballast Pits No. 1 and No. 2, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0002597000, which authorizes the disposal of ballast water and bilge water from ocean-going vessels or vessels being dismantled in the port area, wastewater from storage tanks for crude petroleum, kerosene and diesel fuel, cleanup of petroleum spills on water, and wastewater containing oily wastes from the sewage treatment plant and/or vegetable oil handling storage activities at a daily maximum flow not to exceed 100,000 gallons per day via evaporation. This permit will not authorize a discharge of pollutants into water in the state. This permit will not authorize a discharge of pollutants into water in the state. The TCEQ received this application on January 2, 2025.

The facility and evaporation ponds, Pit No.1 and Pit No.2, are located at 9555 Old State Highway 48, and 10455 Old State Highway 48, both on the north side of Old Texas 48 and east of the intersection of Old Texas 48 and Farm-to-Market Road 511, with Pit No. 1 located 4 miles east of the intersection, and Pit No. 2 located 1.5 miles east of the intersection, near the City of Brownsville, Cameron County, Texas 78521. The facility and disposal site are located in the drainage area of San Martin Lake which discharges into the Brownsville Ship Channel in Segment No. 2494 of the Bays and Estuaries. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.383888,25.965833&level=18>

The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at the Brownsville Navigation District - Administration Building, reception area 1000 Foust Road, in Brownsville, Cameron County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:

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

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>.

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting about this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ holds 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 the 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 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 a contested case hearing or reconsideration of the Executive Director's decision.** A contested case hearing is a legal proceeding similar to a civil trial in a 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. TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.**

EXECUTIVE DIRECTOR ACTION. The Executive Director may issue final approval of the application unless a timely contested case hearing request or request for reconsideration is filed. If a timely hearing request or request for reconsideration is filed, the Executive Director will not issue final approval of the permit and will forward the application and request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

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 (2) the mailing list for a specific county. If you wish to be placed on the permanent 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.

All written public comments and public meeting requests must be submitted to the Office of the Chief Clerk, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 or electronically at <https://www.tceq.texas.gov/goto/comment/> within 30 days from the date of newspaper publication of this notice.

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at <https://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. Public comments and requests must be submitted either electronically at <https://www.tceq.texas.gov/goto/comment/>, 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 <https://www.tceq.texas.gov/agency/decisions/participation/permittingparticipation>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Brownsville Navigation District at the address stated above or by calling Mr. Manuel Martinez at 956-838-7029.

Issued: April 16, 2025

Comisión De Calidad Ambiental Del Estado De Texas



AVISO DE SOLICITUD Y DECISIÓN PRELIMINAR PARA PERMISO PARA APLICACIÓN DE LA CALIDAD DEL AGUA EN TERRENOS PARA AGUAS RESIDUALES INDUSTRIALES

RENOVACIÓN

PERMISO NO. WQ0002597000

SOLICITUD Y DECISIÓN PRELIMINAR. El Distrito de Navegación de Brownsville (BND), 1000 Foust Road, Brownsville, Condado de Cameron, Texas 78521, que opera los Pozos de Lastre Núm. 1 y Núm. 2, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) por una renovación del Permiso No. WQ0002597000 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo máximo diario de 100,000 galones por día por evaporación de un área de superficie combinada de 31.79 acres y una capacidad de almacenamiento combinada de 127.2 acres-pies. Este permiso no autorizará una descarga de contaminantes a las aguas del estado. La TCEQ recibió esta solicitud el día 2 de enero de 2025.

La planta y el sitio de disposición se ubican en la Carretera Estatal 48 No. 9555 (Pozo Núm. 1) y Carretera Estatal 45 No. 10455 (Pozo Núm. 2), ambos están al lado norte del Carretera Estatal No. 48 y al este del intersección de la Carretera Estatal 48 y el Camino Rural 511, con el Pozo de Lastre Núm. 1 situado a 4 millas al este de la intersección, y el Pozo de Lastre Núm. 2 situado 1.5 millas al este de la intersección, cerca de la ciudad de Brownsville, en el Condado de Cameron, Texas. La planta y el sitio de disposición están ubicados en el área de drenaje del Lago San Martín, que desemboca en el Canal de Barcos de Brownsville, en el Segmento No. 2494 de las Bahías y Estuarios. 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=-97.383888,25.965833&level=18>

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. El borrador del permiso, si es aprobado, establecería las condiciones bajo las cuales la instalación debe operar. El Director Ejecutivo ha tomado una decisión preliminar que si este permiso es emitido, cumple con todos los requisitos normativos y legales. La solicitud del permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para leer y copiar en 1000 de la Calle Foust en Brownsville, Texas. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlapapplications>.

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

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 por qué 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. Si ciertos criterios se

cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

ACCIÓN DEL DIRECTOR EJECUTIVO. El Director Ejecutivo puede emitir una aprobación final de la solicitud a menos que exista un pedido antes del plazo de vencimiento de una audiencia administrativa de lo contencioso o se ha presentado un pedido de reconsideración. Si un pedido ha llegado antes del plazo de vencimiento de la audiencia o el pedido de reconsideración ha sido presentado, el Director Ejecutivo no emitirá una aprobación final sobre el permiso y enviará la solicitud y el pedido a los Comisionados de la TCEQ para consideración en una reunión programada de la Comisión.

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.

Todos los comentarios escritos del público y los pedidos una reunión deben ser presentados durante los 30 días después de la publicación del aviso a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 or por el internet a www.tceq.texas.gov/about/comments.html. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a <https://www14.tceq.texas.gov/epic/eComment/>, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a la TCEQ pasará a formar parte del registro de la agencia; esto incluye las direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de la TCEQ, sin cargo, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/goto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Distrito de Navegación de Brownsville (BND) a la dirección indicada arriba o llamando a Sr. Manuel Martinez al 956-838-7029.

Fecha de emission: 16 de abril de 2025



PERMIT NO. WQ0002597000

TEXAS COMMISSION ON ENVIRONMENTAL
QUALITY

P.O. Box 13087
Austin, Texas 78711-3087

This renewal replaces TCEQ
Permit No. WQ0002597000
issued on, March 28, 2016.

PERMIT TO DISPOSE OF WASTES

under provisions of
Chapter 26 of the Texas Water Code

I. NAME OF PERMITTEE

- A. Name: Brownsville Navigation District
- B. Address: 1000 Foust Road
Brownsville, Texas 78521

II. NATURE OF BUSINESS PRODUCING WASTE

A marine cargo handling facility at the Port of Brownsville. (SIC 4491)

III. GENERAL DESCRIPTION AND LOCATION OF WASTE DISPOSAL SYSTEM

Description: Wastewaters generated at the port facilities are conveyed to two evaporation ponds for disposal. These ponds, Ballast Pits No. 1 & No. 2, have a combined surface area of 31.79 acres and a combined storage capacity of 127.2 acre-feet. Oily wastewater generated at the port facilities include ballast water and bilge water from ocean going vessels or vessels being dismantled in the port area, wastewater from storage tanks for crude petroleum, kerosene and diesel fuel, cleanup of petroleum spills on water, and wastewater containing oily wastes from the sewage treatment plant and/or vegetable oil handling and storage activities. Oily material separated on the surface of the pits is recovered by an oil recycler from the surfaces of the evaporation ponds. Domestic wastewater is not authorized for disposal in this permit.

Location: The facility and evaporation ponds, Pit No.1 and Pit No.2, are located at 9555 Old State Highway 48, and 10455 Old State Highway 48, both on the north side of Old Texas 48 and east of the intersection of Old Texas 48 and Farm-to-Market Road 511, with Pit No. 1 located 4 miles east of the intersection, and Pit No. 2 located 1.5 miles east of the intersection, near the City of Brownsville, Cameron County, Texas 78521.

Drainage Basin: The facility and disposal site are located in the drainage area of San Martin Lake which discharges into the Brownsville Ship Channel, in Segment No. 2494, of the Bays and Estuaries. No discharge of pollutants into water in the state is authorized by this permit.

This permit shall expire at midnight ten years from the date of permit issuance.

ISSUED DATE:

For the Commission

IV. CONDITIONS OF THE PERMIT

- Character: Ballast water and bilge water from ocean-going vessels or vessels being dismantled in the port area, wastewater from storage tanks for crude petroleum, kerosene and diesel fuel, cleanup of petroleum spills on water, and wastewater containing oily wastes from the sewage treatment plant and/or vegetable oil handling and storage activities.
- Volume: Total volume of wastewater routed to the evaporation ponds (Ballast Pit Nos. 1 and 2) shall not exceed 100,000 gallons per day (gpd).
- Quality: No discharge into water in the State is authorized by this permit. All wastewater shall be routed to permitted evaporation ponds. Treatment shall be sufficient to prevent nuisance conditions in ponds. In addition, the wastewater shall be subject to the following effluent limitations and monitoring requirements.

<u>Parameter</u>	<u>Daily Max</u>	<u>Frequency</u>	<u>Sample Type</u>
Flow (MGD)	100,000 gpd	1/day	Estimate

Results from the analyses must be retained on site for five years and available for inspection by authorized representatives of the Texas Commission on Environmental Quality (TCEQ). This data must be submitted to the TCEQ Enforcement Division (MC 224), Industrial Permits Team (MC 148), and Region 15 Office during the month of September of each calendar year.

V. SPECIAL PROVISIONS:

- A. For the purpose of Part IV of this permit, the following definitions shall apply: None
- B. The permittee shall accept for deposit in the ballast pits only ballast water from ships and barges, and wastewater generated within the boundaries of the Brownsville Navigation District as characterized in Part IV of this permit.
- C. Since the subject wastes handled at the port facilities could contain small quantities of toxic materials, the Brownsville Navigation District shall manage the wastewater ponds to avoid an accumulation of pollutants which could classify sludge in present or any future pond(s) as hazardous wastes. To implement this policy, as a minimum, the permittee shall:
1. Keep records on the quantity and description of all discharges to the ballast pits.
 2. Conduct Toxicity tests per 40 CFR, Part 261.24 once per year on representative sludge samples from each ballast pit.
 3. Even in the event of no disposal in the pits, report on a yearly basis all information prescribed above in items (1) and (2) to the TCEQ Industrial Permits Team, Wastewater Permitting Section (MC-148), Water Quality Division, and the Region 15 Office. Subject information shall be submitted in September of each year.

4. Oily material that collect on the surfaces of the evaporation ponds, shall be managed so as to prevent nuisance conditions.
 5. The permittee shall maintain the dikes and perform all other measures necessary to prevent seepage of wastewater from the ballast pits to the surrounding surface area or the groundwater and to protect the pits from the 100 year frequency flood level.
 6. There shall be no discharge from the ballast pits to waters in the State.
 7. The permittee shall maintain a minimum 2-foot freeboard for all wastewater ponds.
 8. Permittee shall maintain records of all information pertaining to this permit on-site for a period of five (5) years.
- D. The permittee shall implement measures and/or provide additional storage to store/dispose of a minimum of 19.35 acre-feet of wastewater. This shall be demonstrated by the following:
1. Construction of an additional evaporation holding pond(s) in compliance with Item E of Special Provisions; or
 2. Provision of adequate alternate source of storage/disposal of sufficient capacity; or
 3. The development of a contingency plan which identifies that the permittee is capable of managing an additional 19.35 acre-feet of effluent. The plan shall be put into effect when the evaporation holding pond exceeds storage capacity prior to an unauthorized discharge and may include, but is not limited to, the following:
 - a. Contracting a third party to haul the additional effluent offsite.
 - b. Connecting to a Publicly Owned Treatment Works (POTW).
 - c. Modifying the facility processes and/or wastewater/storm water management; or
 - d. Implementing evaporation enhancing measures.
 4. Any combination of both D.1., D.2., and D.3.

The permittee shall submit a proposal, which demonstrates the capability to sufficiently satisfy the above requirements to the Industrial Permits Team (MC-148) of the Water Quality Division within 180 days of permit issuance. Based upon this proposal this permit may be reopened to require additional effluent storage capacity or other conditions.

E. POND REQUIREMENTS

1. An **existing** wastewater pond must be maintained to meet or exceed the original approved design and liner requirements; or, in the absence of original approved requirements, must be maintained to prevent unauthorized discharge of wastewater into or adjacent to water in the state. The permittee shall maintain copies of all liner construction and testing documents at the facility or in a reasonably accessible location and make the information available to the executive director upon request.
2. A **new** wastewater pond constructed after the issuance date of this permit must be lined in compliance with one of the following requirements if it will contain process wastewater as defined in 40 CFR §122.2. The executive director will review ponds that will contain only non-process wastewater on a case-by case basis to determine whether the pond must be lined. If a pond will contain only non-process wastewater, the owner shall notify the Industrial Permits Team (MC 148) to obtain a written determination at least 90 days before the pond is placed into service. The permittee must submit all

information about the proposed pond contents that is reasonably necessary for the executive director to make a determination. If the executive director determines that a pond does not need to be lined, then the permittee is exempt from 2a through 2c and D through G of POND REQUIREMENTS.

A wastewater pond that only contains domestic wastewater must comply with the design requirements in 30 TAC Chapter 217 and 30 TAC §309.13(d) in lieu of items 2.a. through 2.c. of this subparagraph.

- a. Soil liner: The soil liner must contain clay-rich soil material (at least 30% of the liner material passing through a #200 mesh sieve, liquid limit greater than or equal to 30, and plasticity index greater than or equal to 15) that completely covers the sides and bottom of the pond. The liner must be at least 3.0 feet thick. The liner material must be compacted in lifts of no more than 8 inches to 95% standard proctor density at the optimum moisture content in accordance with ASTM D698 to achieve a permeability less than or equal to 1×10^{-7} (≤ 0.0000001) cm/sec. For in-situ soil material that meets the permeability requirement, the material must be scarified at least 8 inches deep and then re-compacted to finished grade.
 - b. Synthetic membrane: The liner must be a synthetic membrane liner at least 40 mils in thickness that completely covers the sides and the bottom of the pond. The liner material used must be compatible with the wastewater and be resistant to degradation (e.g., from ultraviolet light, chemical reactions, wave action, erosion, etc.). The liner material must be installed and maintained in accordance with the manufacturer's guidelines. A wastewater pond with a synthetic membrane liner must include an underdrain with a leak detection and collection system.
 - c. Alternate liner: The permittee shall submit plans signed and sealed by a Texas-licensed professional engineer for any other equivalently-protective pond lining method to the TCEQ Industrial Permits Team (MC-148) and copy the TCEQ Compliance Monitoring Team (MC-224).
3. The permittee shall provide certification, signed and sealed by a Texas-licensed professional engineer, stating that the completed pond lining and any required underdrain with leak detection and collection system for the pond meet the requirements in subparagraph 2.a – 3.c before using a pond. The certification shall include the following minimum details about the pond lining system: (1) pond liner type (in-situ soil, amended in-situ soil, imported soil, synthetic membrane, or alternative), (2) materials used, (3) thickness of materials, and (4) either permeability test results or a leak detection and collection system description, as applicable.

The certification must be provided to the TCEQ Water Quality Assessment Team (MC-150), Industrial Permits Team (MC-148), Compliance Monitoring Section (MC-224), and TCEQ Regional Office. A copy of the liner certification and construction details (i.e., as-built drawings, construction QA/QC documentation, and post construction testing) must be kept on-site or in a reasonably accessible location (in either hardcopy or digital format) until the pond is closed.

4. Protection and maintenance requirements (even in the event of no disposal in the pits)
 - (i) The permittee shall maintain a liner to prevent the unauthorized discharge of wastewater into or adjacent to water in the state.
 - (ii) A liner must be protected from damage caused by animals. Fences or other protective devices or measures may be used to satisfy this requirement.

- (iii) The permittee shall maintain the structural integrity of the liner and shall keep the liner and embankment free of woody vegetation, animal burrows, and excessive erosion.
 - (iv) The permittee shall inspect each pond liner and each leak detection system at least once per month. Evidence of damage or unauthorized discharge must be evaluated by a Texas licensed professional engineer or Texas licensed professional geoscientist within 30 days.
 - a. A Texas licensed professional engineer or Texas licensed professional geoscientist must evaluate damage to a pond liner, including evidence of an unauthorized discharge without visible damage.
 - b. Pond liner damage must be repaired at the recommendation of a Texas licensed professional engineer or Texas licensed professional geoscientist. If the damage is significant or could result in unauthorized discharge, then the repair must be documented and certified by a Texas licensed professional engineer. Within 60 days after a repair is completed, liner certification must be provided to the TCEQ Water Quality Assessment Team (MC-150), Compliance Monitoring Section (MC-224), and TCEQ Regional Office. A copy of the liner certification must be maintained at the facility or in a reasonably accessible location and made available to the executive director upon request.
 - c. A release determination and subsequent corrective action will be based on 40 CFR Part 257 or the Texas Risk Reduction Program (30 TAC Chapter 350), as applicable. If evidence indicates that an unauthorized discharge occurred, including evidence that the actual permeability exceeds the design permeability, the matter may also be referred to the TCEQ Enforcement Division to ensure the protection of the public and the environment.
5. The permittee shall have a Texas licensed professional engineer perform an evaluation of each pond that requires a liner at least once every five years. The evaluation must include: (1) a physical inspection of the pond liner to check for structural integrity, damage, and evidence of leaking; (2) a review of the liner documentation for the pond; and (3) a review of all documentation related to liner repair and maintenance performed since the last evaluation. For the purposes of this evaluation, evidence of leaking also includes evidence that the actual permeability exceeds the design permeability. A copy of the engineer's evaluation report must be maintained at the facility or in a reasonably accessible location and made available to the executive director upon request.
6. For a pond subject to subparagraph 2 or 3 (including ponds with in-situ soil liners), the permittee shall maintain at least 2.0 feet of freeboard in the pond except when:
- (i) the freeboard requirement temporarily cannot be maintained due to a large storm event that requires the additional retention capacity to be used for a limited period of time;
 - (ii) the freeboard requirement temporarily cannot be maintained due to upset plant conditions that require the additional retention capacity to be used for treatment for a limited period of time; or
 - (iii) the pond was not required to have at least 2.0 feet of freeboard according to the requirements at the time of construction.

- F. Ballast Pit No.1 was constructed prior to 1971 and Ballast Pit No.2 was constructed in 1974. These ponds shall be maintained and operated in a manner that prevents unauthorized discharge and contamination of groundwater. At least once per month, the permittee shall inspect the pond sides and bottom (if visible) for signs of damage and leakage, as well as any leak detection systems that are in service. These inspections shall be recorded in a log book maintained on-site.
- G. The permittee shall erect adequate signs stating that the water in the ponds is from a non-potable water supply for any area where effluent is stored or where there exist hose bibs or faucets. Signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message "DO NOT DRINK THE WATER" in both English and Spanish. All piping transporting the effluent shall be clearly marked with these same symbols.
- H. This permit does not authorize the discharge of domestic wastewater. All domestic wastewater must be disposed of in an approved manner, such as routing to an approved on-site septic tank and drainfield system or to an authorized third party for treatment and disposal.

VI. STANDARD PERMIT CONDITIONS

This permit is granted in accordance with the Texas Water Code and the rules and other Orders of the Commission and the laws of the State of Texas.

DEFINITIONS

All definitions in Section (§) 26.001 of the Texas Water Code and Title 30 of the Texas Administrative Code (30 TAC) Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

1. Flow Measurements
 - a. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.
 - b. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with a 1 million gallons per day or greater permitted flow.
 - c. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.
2. Concentration Measurements
 - a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.
 - i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.
 - ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.
 - b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.
 - c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.
3. Sample Type
 - a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9(a). For industrial wastewater, a composite sample is a sample made up of a

minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9(c).

- b. Grab sample - an individual sample collected in less than 15 minutes.
- 4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.
- 5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids which have not been classified as hazardous waste separated from wastewater by unit processes.
- 6. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING REQUIREMENTS

1. Monitoring Requirements

Monitoring results shall be collected at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling in accordance with 30 TAC §§319.4 - 319.12.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Texas Water Code, Chapters 26, 27, and 28, and Texas Health and Safety Code, Chapter 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record or other document submitted or required to be maintained under this permit, including monitoring reports, records or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

- a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§319.11 - 319.12. Measurements, tests and calculations shall be accurately accomplished in a representative manner.
- b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.
- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, and records of all data used to complete the application for this permit shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample

measurement, report, or application. This period shall be extended at the request of the Executive Director.

- c. Records of monitoring activities shall include the following:
 - i. date, time and place of sample or measurement;
 - ii. identity of individual who collected the sample or made the measurement.
 - iii. date and time of analysis;
 - iv. identity of the individual and laboratory who performed the analysis;
 - v. the technique or method of analysis; and
 - vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in determining compliance with permit requirements.

5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site and shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date to the Regional Office and the Enforcement Division (MC 224).

7. Noncompliance Notification

- a. In accordance with 30 TAC §305.125(9), any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

- b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
 - i. unauthorized discharges as defined in Permit Condition 2(g).
 - ii. any unanticipated bypass which exceeds any effluent limitation in the permit.
 - c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
 - d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible.
8. In accordance with the procedures described in 30 TAC §§35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.
9. Changes in Discharges of Toxic Substances
- All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the Regional Office, orally or by facsimile transmission within 24 hours, and both the Regional Office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:
- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. one hundred micrograms per liter (100 µg/L);
 - ii. two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - iii. five (5) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. the level established by the TCEQ.
 - b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - i. five hundred micrograms per liter (500 µg/L);
 - ii. one milligram per liter (1 mg/L) for antimony;
 - iii. ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. the level established by the TCEQ.
10. Signatories to Reports
- All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC §305.128 (relating to Signatories to Reports).

PERMIT CONDITIONS**1. General**

- a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.
- b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:
 - i. violation of any terms or conditions of this permit;
 - ii. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - iii. a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

- a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.
- b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment, revocation or suspension, or for denial of a permit renewal application or an application for a permit for another facility.
- c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation which has a reasonable likelihood of adversely affecting human health or the environment.
- e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.
- f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§305.62 and 305.66 and Texas Water Code Section 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

- g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Special Provisions section of this permit.
 - h. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties).
- 3. Inspections and Entry
 - a. Inspection and entry shall be allowed as prescribed in the Texas Water Code Chapters 26, 27, and 28, and Texas Health and Safety Code Chapter 361.
 - b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in Texas Water Code Section 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.
- 4. Permit Amendment with or without Renewal
 - a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
 - i. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring Requirements No. 9;
 - ii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
 - c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
 - d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
 - e. In accordance with the Texas Water Code §26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.
5. Permit Transfer
- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.
 - b. A permit may be transferred only according to the provisions of 30 TAC §305.64 (relating to Transfer of Permits) and 30 TAC §50.133 (relating to Executive Director Action on Application or WQMP update).
6. Relationship to Hazardous Waste Activities
- This permit does not authorize any activity of hazardous waste storage, processing, or disposal which requires a permit or other authorization pursuant to the Texas Health and Safety Code.
7. Property Rights
- A permit does not convey any property rights of any sort, or any exclusive privilege.
8. Permit Enforceability
- The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.
9. Relationship to Permit Application
- The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

10. Notice of Bankruptcy.

- a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:
 - i. the permittee;
 - ii. an entity (as that term is defined in 11 USC, §101(15)) controlling the permittee or listing the permit or permittee as property of the estate; or
 - iii. an affiliate (as that term is defined in 11 USC, §101(2)) of the permittee.
- b. This notification must indicate:
 - i. the name of the permittee;
 - ii. the permit number(s);
 - iii. the bankruptcy court in which the petition for bankruptcy was filed; and
 - iv. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§319.21 - 319.29 concerning the discharge of certain hazardous metals.
3. Domestic wastewater treatment facilities shall comply with the following provisions:
 - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
 - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment or other treatment unit regulated by this permit.
4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, or retention of inadequately treated wastewater.
5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under Texas Water Code §7.302(b)(6).
7. Documentation

For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information specified as not confidential in 30 TAC §1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words “confidential business information” on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.
8. Facilities which generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.
 - a. Whenever flow measurements for any domestic sewage treatment facility reach 75 percent of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion or upgrading of the domestic wastewater treatment or collection facilities. Whenever the flow reaches 90 percent of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75 percent of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 149) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.
 - b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission, and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.
 - c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to

be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
10. Facilities which generate industrial solid waste as defined in 30 TAC §335.1 shall comply with these provisions:
 - a. Any solid waste, as defined in 30 TAC §335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
 - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
 - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC §335.8(b)(1), to the Environmental Cleanup Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.
 - d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC §335-5.
 - e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
 - f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:
 - i. volume of waste and date(s) generated from treatment process;
 - iii. volume of waste disposed of on-site or shipped off-site;
 - iv. date(s) of disposal;
 - v. identity of hauler or transporter;
 - vi. location of disposal site; and
 - vii. method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

11. For industrial facilities to which the requirements of 30 TAC Chapter 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with Chapter 361 of the Texas Health and Safety Code.

TCEQ Revision 06/2008

TECHNICAL SUMMARY AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION
TCEQ Permit No. WQ0002597000

DESCRIPTION OF APPLICATION

Applicant: Brownsville Navigation District; Permit No. WQ0002597000

Regulated Activity: Industrial Wastewater Permit

Type of Application: Renewal

Request: Renewal without changes

Authority: Texas Water Code § 26.027; 30 Texas Administrative Code (30 TAC) Chapter 305, Subchapters C-F, Chapters 307, 309, and 319; Commission policies; and Environmental Protection Agency (EPA) guidelines.

EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit will expire at midnight, ten years from date of permit issuance, according to the requirements of 30 TAC §305.127(1)(C)(ii)(III).

REASON FOR PROJECT PROPOSED

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of its existing permit.

PROJECT DESCRIPTION AND LOCATION

The applicant currently operates the Ballast Pits No. 1 & No. 2, two evaporation ponds for disposal.

The Brownsville Navigation District (BND) is a marine cargo handling deep-water port facility, which houses a variety of tenants, including several ship recycling facilities, which generate bilge water and oily water as waste from their operation. The Ballast Pits receive the bilge and oily waters from these facilities.

Wastewater generated at the port of facilities are conveyed to two evaporation ponds (Ballast Pits Nos. 1 & 2) for disposal. Wastewater includes Ballast water and Bilge Water from ocean-going vessels or vessels being dismantled in the Port area, wastewater from storage tanks for crude petroleum, kerosene, and diesel fuel, clean up of petroleum spills on water, and wastewater containing oily wastes from the sewage treatment plant and/or vegetable oil handling and storage activities.

This permit does not authorize the discharge of domestic wastewater. All domestic wastewater must be disposed of in an approved manner, such as routing to an approved on-site septic tank and drainfield system or to an authorized third party for treatment and disposal.

The facility and evaporation ponds, Pit No.1 and Pit No.2, are located at 9555 Old State Highway 48, and 10455 Old State Highway 48, both on the north side of Old Texas 48 and east of the intersection of Old Texas 48 and Farm-to-Market Road 511, with Pit No. 1 located 4 miles east of the intersection, and Pit No. 2 located 1.5 miles east of the intersection, near the City of Brownsville, Cameron County, Texas 78521.

TECHNICAL SUMMARY AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION
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The facility and disposal site are located in the drainage area of San Martin Lake which discharges into the Brownsville Ship Channel in Segment No. 2494 of the Bays and Estuaries. The designated uses for Segment No. 2494 are non-contact recreation and exceptional aquatic life use. All determinations are preliminary and subject to additional review and revisions.

SUMMARY OF EFFLUENT DATA

N/A - Facility is not required to submit self-report data. The ballast pits have not been in use.

DRAFT PERMIT CONDITIONS

The draft permit authorizes the disposal of ballast water and bilge water from ocean-going vessels or vessels being dismantled in the port area, wastewater from the storage tanks for crude petroleum, kerosene and diesel fuel, clean-up of petroleum spills on water, and wastewater containing oily wastes from sewage treatment plant and/or vegetable oils-handling and storage activities to be conveyed to two evaporation ponds (Ballast Pit No. 1 and Ballast Pit No. 2), for disposal via evaporation at a maximum flow not to exceed 0.1 million gallons per day (MGD).

Final effluent limitations are established in the draft permit as follows:

Pollutant	Daily Average	Daily Maximum
Flow (MGD)	N/A	0.1 MGD

SUMMARY OF CHANGES FROM APPLICATION

No changes were made from the application.

SUMMARY OF CHANGES FROM EXISTING PERMIT

The following additional changes have been made to the draft permit.

1. Special Provision, item E, No.1 is removed from the current permit to make it consistent with TCEQ current language being used in other Texas Land Application Permits (TLAPs).
2. Special Provisions, item G and H language are added to the draft permit per recommendation from a senior permit writer.
3. Special Provision, item C3 and C4, added the language "even in the event of no disposal in the pits" as suggested by a TCEQ Environmental Investigator.
4. Total storage requirement is revised to 19.35 acre-feet/year based on Texas Water Development Board Lake Evaporation and Precipitation data for Quadrangle 1110 for the period of record 2000 through 2024.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on January 2, 2025 and additional information received on February 3, 2025.
2. Existing permits: TCEQ Permit No. WQ0002597000 issued March 28, 2016.
3. EPA Guidelines: N/A
4. TCEQ Rules.
5. Texas Water Development Board Lake Evaporation and Precipitation data for Quadrangle

TECHNICAL SUMMARY AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION
TCEQ Permit No. WQ0002597000

1110.

6. Consistency with the Coastal Management Plan: The Executive Director has reviewed this action for consistency with the goals and policies of the Texas Coastal Management Program (CMP) in accordance with the regulations of the General Land Office (GLO) and has determined that the action is consistent with the applicable CMP goals and policies.

PROCEDURES FOR FINAL DECISION

When an application is declared administratively complete, the Chief Clerk sends a letter to the applicant advising the applicant to publish the Notice of Receipt of Application and Intent to Obtain Permit in the newspaper. In addition, the Chief Clerk instructs the applicant to place a copy of the application in a public place for reviewing and copying in the county where the facility is or will be located. This application will be in a public place throughout the comment period. The Chief Clerk also mails this notice to any interested persons and, if required, to landowners identified in the permit application. This notice informs the public about the application and provides that an interested person may file comments on the application or request a contested case hearing or a public meeting.

Once a draft permit is completed, it is sent, along with the Executive Director's preliminary decision, as contained in the technical summary or fact sheet, to the Chief Clerk. At that time, the Notice of Application and Preliminary Decision will be mailed to the same people and published in the same newspaper as the prior notice. This notice sets a deadline for making public comments. The applicant must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application. This notice sets a deadline for public comment.

Any interested person may request a public meeting on the application until the deadline for filing public comments. A public meeting is intended for the taking of public comment and is not a contested case proceeding.

After the public comment deadline, the Executive Director prepares a response to all significant public comments on the application or the draft permit raised during the public comment period. The Chief Clerk then mails the Executive Director's response to comments and final decision to people who have filed comments, requested a contested case hearing, or requested to be on the mailing list. This notice provides that if a person is not satisfied with the Executive Director's response and decision, they can request a contested case hearing or file a request to reconsider the Executive Director's decision within 30 days after the notice is mailed.

The Executive Director will issue the permit unless a written hearing request or request for reconsideration is filed within 30 days after the Executive Director's response to comments and final decision is mailed. If a hearing request or request for reconsideration is filed, the Executive Director will not issue the permit and will forward the application and request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting. If a contested case hearing is held, it will be a legal proceeding similar to a civil trial in state district court.

If the Executive Director calls a public meeting or the Commission grants a contested case hearing as described above, the Commission will give notice of the date, time, and place of the meeting or hearing. If a hearing request or request for reconsideration is made, the Commission will consider all public comments in making its decision and shall either adopt the Executive Director's response to public comments or prepare its own response.

For additional information about this application, contact Seif Deiab at (512) 239-4622.

TECHNICAL SUMMARY AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION
TCEQ Permit No. WQ0002597000

Seif Deiab
Seif Deiab

March 10, 2025
Date

Appendix A Evaporation Pond Evaluation

Average Condition Evaluation

The pond(s) must have enough surface area to evaporate all the flow to the pond(s) under average rainfall conditions. The pond is considered adequately sized when the Total Storage Necessary is less than or equal to zero. If this value is greater than zero, the pond's surface must be increased or the effluent flow reduced to ensure that no accumulation occurs during average conditions.

The following is a summary of calculations performed in determining the Total Storage Necessary:

Effluent Flow 0.1 MGD
Pond Surface Acres 31.79 acres
Pond Storage Volume 127.20 arce-feet

<u>Month</u>	<u># of Days</u>	<u>Flow to Ponds (acre-feet)</u>	<u>Evap Rate (feet)</u>	<u>Evap from Ponds (acre-feet)</u>	<u>Storage Requirements (acre-feet)</u>
January	31	9.51	0.12	3.86	5.65
February	28	8.59	0.18	5.67	2.92
March	31	9.51	0.29	9.09	0.43
April	30	9.21	0.34	10.86	-1.65
May	31	9.51	0.30	9.47	0.04
June	30	9.21	0.36	11.39	-2.19
July	31	9.51	0.36	11.59	-2.08
August	31	9.51	0.49	15.45	-5.93
September	30	9.21	0.03	1.01	8.19
October	31	9.51	0.20	6.51	3.00
November	30	9.21	0.11	3.65	5.56
December	31	9.51	0.13	4.10	5.41
Total Storage Necessary					19.35

Flow to Pond = (Effluent Flow (MGD)) * (# of Days) * (3.0684)

Evaporation from Pond = (Pond Surface Acres) * (Evaporation Rate)

Evaporation Rate = 25-year average monthly net evaporation*

Storage Requirement = (Flow to Pond) - (Evaporation from Pond)

Total Storage Necessary = SUM (Storage Requirement)

Conclusions

Under average conditions, Ponds 1 and 2 are expected to accumulate approximately 19.35 acre-feet of wastewater per year. Special Provision D remains in effect with a requirement to have the ability to manage and additional 19.35 acre-feet of wastewater per year. Under critical conditions, the ponds are expected to accumulate approximately 76.39 acre-feet of wastewater during a 25-year rainfall event. With 127.2 acre-feet of total storage, no discharge is expected with proper management of the ponds in accordance with this permit.

*Texas Water Development Board Lake Evaporation and Precipitation data for Quadrangle 1110 for the period of record 2000 through 2024.

Appendix A: Evaporation Pond Evaluation

30 Texas Administrative Code (TAC), Chapter 309, Subchapter C outlines procedures used to determine appropriate design for irrigation systems at domestic wastewater treatment plants. Appropriate evaporation pond sizing is determined based upon these procedures using best professional judgement (BPJ). These procedures consist of two evaluations: critical condition evaluation and average condition evaluation.

Critical Condition Evaluation

The critical condition evaluation is designed to evaluate the storage capacity of the pond(s) under a "worst-case scenario." The worst-case scenario is defined as the 25-year lowest net evaporation* assuming daily flow to the pond at the permitted rate. The pond's storage capacity is considered adequate when the Total Storage Necessary is less than or equal to the Pond Storage Volume (the pond could contain all wastewater discharged when evaporation is lowest).

The following is a summary of calculations performed in determining the Total Storage Necessary:

Effluent Flow	0.1 MGD
Pond Surface Acres	31.79 acres
Pond Storage Volume	127.20 arce-feet

<u>Month</u>	<u># of Days</u>	<u>Flow to Ponds (acre-feet)</u>	<u>Evap Rate (feet)</u>	<u>Evap from Ponds (acre-feet)</u>	<u>Storage Requirements (acre-feet)</u>
January	31	9.51	0.05	1.48	8.03
February	28	8.59	0.07	2.18	6.41
March	31	9.51	0.11	3.49	6.02
April	30	9.21	0.13	4.17	5.03
May	31	9.51	0.11	3.64	5.87
June	30	9.21	0.14	4.38	4.83
July	31	9.51	0.14	4.45	5.06
August	31	9.51	0.19	5.94	3.58
September	30	9.21	0.01	0.39	8.82
October	31	9.51	0.08	2.50	7.01
November	30	9.21	0.04	1.40	7.80
December	31	9.51	0.05	1.58	7.94
Total Storage Necessary					76.39

Flow to Pond = (Effluent Flow (MGD)) * (# of Days)* (3.0684)
 Evaporation from Pond = (Pond Surface Acres) * (Evaporation Rate)
 Evaporation Rate = 25-year lowest net evaporation distributed by month
 Storage Requirement = (Flow to Pond) - (Evaporation from Pond)
 Total Storage Necessary = SUM (Storage Requirement)

* Texas Water Development Board Lake Evaporation and Precipitation data for Quadrangle 1110 for the period of record 2000 through 2024.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the industrial wastewater permit application.

APPLICANT NAME: Brownsville Navigation District

PERMIT NUMBER (If new, leave blank): WQ00 02597000

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"/>	Worksheet 8.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Administrative Report 1.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Worksheet 9.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPIF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Worksheet 10.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 11.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Summary of Application (PLS)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 11.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Public Involvement Plan Form	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Worksheet 11.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Worksheet 11.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 1.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Affected Landowners Map	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Original Photographs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Design Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 4.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number _____ County _____

Expiration Date _____ Region _____

Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION

ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs, except applications for oil and gas extraction operations subject to 40 CFR Part 435. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report.

Applications for oil and gas extraction operations subject to 40 CFR Part 435 must use Oil and Gas Exploration and Production Administrative Report ([TCEQ Form-20893 and 20893-inst¹](#)).

Item 1. Application Information and Fees (Instructions, Page 26)

- a. Complete each field with the requested information, if applicable.

Applicant Name: Brownsville Navigation District

Permit No.: WQ0002597000

EPA ID No.: TX0N/A

Expiration Date: July 1, 2025

- b. Check the box next to the appropriate authorization type.

☒ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

☐ Reverse Osmosis Water Treatment (reverse osmosis water treatment wastewaters only)

- c. Check the box next to the appropriate facility status.

☒ Active

☐ Inactive

- d. Check the box next to the appropriate permit type.

☐ TPDES Permit

☒ TLAP

☐ TPDES with TLAP component

- e. Check the box next to the appropriate application type.

☐ New

☐ Renewal with changes

☒ Renewal without changes

☐ Major amendment with renewal

☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

- f. If applying for an amendment or modification, describe the request: N/A

For TCEQ Use Only

Segment Number _____ County _____

Expiration Date _____ Region _____

Permit Number _____

¹ https://www.tceq.texas.gov/publications/search_forms.html

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350	<input checked="" type="checkbox"/> \$315	<input type="checkbox"/> \$150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,250	<input type="checkbox"/> \$1,215	<input type="checkbox"/> \$150
Major facility	N/A ²	<input type="checkbox"/> \$2,050	<input type="checkbox"/> \$2,015	<input type="checkbox"/> \$450

h. Payment Information

Mailed

Check or money order No.: N/A

Check or money order amt.: N/A

Named printed on check or money order: N/A

Epay

Voucher number: 78303 and 78304

Copy of voucher attachment: Attachment A.1 - ePay Voucher

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN600520126

Note: Locate the customer number using the [TCEQ's Central Registry Customer Search](https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch)³.

b. Legal name of the entity (applicant) applying for this permit: Brownsville Navigation District

Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Mr. Full Name (Last/First Name): Ariel Chávez II

Title: Director of Engineering Services Credential: PE, RPLS

d. Will the applicant have overall financial responsibility for the facility?

☒ Yes ☐ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

² All facilities are designated as minors until formally classified as a major by EPA.

³ <https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch>

Item 3. Co-applicant Information (Instructions, Page 27)

☒ Check this box if there is no co-applicant.; otherwise, complete the below questions.

a. Legal name of the entity (co-applicant) applying for this permit: N/A

Note: The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

b. Customer Number (if applicant is an existing customer): CNN/A

Note: Locate the customer number using the TCEQ's Central Registry Customer Search.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: N/A Full Name (Last/First Name): N/A

Title: N/A Credential: N/A

d. Will the co-applicant have overall financial responsibility for the facility?

☐ Yes ☐ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 4. Core Data Form (Instructions, Pages 27)

a. Complete and attach one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)). If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: Attachment A.2 - Core Data Form

Item 5. Application Contact Information (Instructions, Page 27)

Provide names of two individuals who can be contacted about this application. Indicate if the individual can be contacted about administrative or technical information, or both.

a. ☐ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Jose Herrera

Title: Director of Facilities Maintenance Credential: N/A

Organization Name: Brownsville Navigation District

Mailing Address: 1000 Foust Road City/State/Zip: Brownsville TX 78521

Phone No: 956-551-3231 Email: JHerrera@PortofBrownsville.com

b. ☒ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Manuel Martinez

Title: Manager of Engineering Services Credential: BS, Engineering

Organization Name: Brownsville Navigation District

Mailing Address: 1000 Foust Road City/State/Zip: Brownsville TX 78521

Phone No: 956-838-7029 Email: mmartinez@portofbrownsville.com

Attachment: N/A

Item 6. Permit Contact Information (Instructions, Page 28)

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

- a. Prefix: Mr. Full Name (Last/First Name): Ariel Chávez II
Title: Director of Engineering Credential: PE, RPLS
Organization Name: Brownsville Navigation District
Mailing Address: 1000 Foust Road City/State/Zip: Brownsville TX 78521
Phone No: 956-831-4592 Email: achavez@portofbrownsville.com
- b. Prefix: Mr. Full Name (Last/First Name): Manuel Martinez
Title: Manager of Engineering Services Credential: BS, Engineering
Organization Name: Brownsville Navigation District
Mailing Address: 1000 Foust Road City/State/Zip: Brownsville, TX
Phone No: 956-838-7029 Email: mmartinez@portofbrownsville.com
Attachment: N/A

Item 7. Billing Contact Information (Instructions, Page 28)

The permittee is responsible for paying the annual fee. The annual fee will be assessed for 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 (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

Prefix: Ms. Full Name (Last/First Name): Nora Gonzalez
Title: Administrative Assistant Credential: N/A
Organization Name: Brownsville Navigation District
Mailing Address: 1000 Foust Road City/State/Zip: Brownsville, TX
Phone No: 956-838-7029 Email: nagonzalez@portofbrownville.com

Item 8. DMR/MER Contact Information (Instructions, Page 28)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs. **Note:** DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

Prefix: Ms. Full Name (Last/First Name): Nora Gonzalez
Title: Administrative Assistant Credential: N/A
Organization Name: Brownsville Navigation District
Mailing Address: 1000 Foust Road City/State/Zip: Brownsville, TX
Phone No: 956-838-7029 Email: nagonzalez@portofbrownville.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mr. Full Name (Last/First Name): Manuel Martinez

Title: Manager of Engineering Services Credential: BS, Engineering

Organization Name: Brownsville Navigation District

Mailing Address: 1000 Foust Road City/State/Zip: Brownsville, TX

Phone No: 956-838-7029 Email: mmartinez@portofbrownsville.com

b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)

☐ E-mail: N/A

☐ Fax: N/A

☒ Regular Mail (USPS)

Mailing Address: 1000 Foust Road

City/State/Zip Code: Brownsville, TX 78520

c. Contact in the Notice

Prefix: Mr. Full Name (Last/First Name): Ariel Chávez II

Title: Director of Engineering Services Credential: PE, RPLS

Organization Name: Brownsville Navigation District

Phone No: 956-831-4592 Email: achavez@portofbrownsville.com

d. Public Viewing Location Information

Note: If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: Administration Building Location within the building: Reception Area

Physical Address of Building: 1000 Foust Road

City: Brownsville County: Cameron

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.

Call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine if an alternative language notice(s) is 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 Item 8 (Regulated Entity and Permitted Site Information.)

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 ☐ N/A

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. Summary of Application in Plain Language Template - Complete and attach the Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS. Attachment: Attachment A.3: Plain Language Summary

- g. Complete and attach one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment. Attachment: N/A

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

- a. TCEQ issued Regulated Entity Number (RN), if available: RN102076502

Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

- b. Name of project or site (name known by the community where located): Brownsville Navigation District Ballast Pits #1 and #2

- c. Is the location address of the facility in the existing permit the same?

☒ Yes ☐ No ☐ N/A (new permit)

Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

- d. Owner of treatment facility:

Prefix: N/A Full Name (Last/First Name): N/A

or Organization Name: Brownsville Navigation District

Mailing Address: 1000 Foust Road

City/State/Zip: Brownsville, TX 78521

Phone No: 956-831-4592

Email: nagonzalez@portofbrownsville.com

- e. Ownership of facility: ☒ Public ☐ Private ☐ Both ☐ Federal

- f. Owner of land where treatment facility is or will be: Brownsville Navigation District
 Prefix: N/A Full Name (Last/First Name): N/A
 or Organization Name: Brownsville Navigation District
 Mailing Address: 1000 Foust Road City/State/Zip: Brownsville, TX 78521
 Phone No: 956-831-4592 Email: nagonzalez@portofbrownsville.com
Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: N/A
- g. Owner of effluent TLAP disposal site (if applicable): Brownsville Navigation District
 Prefix: N/A Full Name (Last/First Name): N/A
 or Organization Name: Brownsville Navigation District
 Mailing Address: 1000 Foust Road City/State/Zip: Brownsville, TX 78521
 Phone No: 956-831-4592 Email: nagonzalez@portofbrownsville.com
Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A
- h. Owner of sewage sludge disposal site (if applicable):
 Prefix: N/A Full Name (Last/First Name): N/A
 or Organization Name: N/A
 Mailing Address: N/A City/State/Zip: N/A
 Phone No: N/A Email: N/A
Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: N/A

Item 11. TDPES Discharge/TLAP Disposal Information (Instructions, Page 31)

- a. Is the facility located on or does the treated effluent cross Native American Land?
☐ Yes ☒ No
- b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.
- | | |
|---|---|
| <input checked="" type="checkbox"/> One-mile radius | <input type="checkbox"/> Three-miles downstream information N/A |
| <input checked="" type="checkbox"/> Applicant's property boundaries | <input checked="" type="checkbox"/> Treatment facility boundaries |
| <input type="checkbox"/> Labeled point(s) of discharge N/A | <input type="checkbox"/> Highlighted discharge route(s) N/A |
| <input type="checkbox"/> Effluent disposal site boundaries N/A | <input checked="" type="checkbox"/> All wastewater ponds |
| <input type="checkbox"/> Sewage sludge disposal site N/A | <input type="checkbox"/> New and future construction N/A |
- Attachment: Attachment A.4: Site Map
- c. Is the location of the sewage sludge disposal site in the existing permit accurate?
☐ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: N/A

- d. Are the point(s) of discharge in the existing permit correct?

☐ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: N/A

- e. Are the discharge route(s) in the existing permit correct?

☐ Yes ☐ No or New Permit

If no, or a new permit, provide an accurate description of the discharge route: N/A

- f. City nearest the outfall(s): N/A

- g. County in which the outfalls(s) is/are located: N/A

- h. 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, attach copies of letters that show proof of contact and provide the approval letter upon receipt. Attachment: N/A

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

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

☒ Yes No or New Permit ☐ N/A

If no, or a new application, provide an accurate location description: N/A

- j. City nearest the disposal site: Brownsville, Texas

- k. County in which the disposal site is located: Cameron County

- l. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: There are no discharge outfalls associated with the facilities, and facilities are same as currently permitted.

- m. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: San Martin Lake/Brownsville Ship Channel

Item 12. Miscellaneous Information (Instructions, Page 33)

- a. 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: N/A

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

☐ Yes ☒ No

If yes, provide the following information:

Account no.: N/A

Total amount due: N/A

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

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: N/A

Amount due: N/A

Item 13. Signature Page (Instructions, Page 33)

Permit No: WQ0002597000

Applicant Name: Brownsville Navigation District, d.b.a. Port of Brownsville

Certification: I, Ariel Chavez II P.E., R.P.L.S., 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.

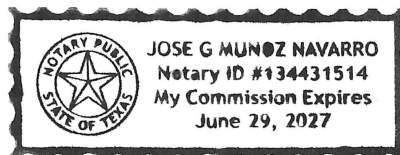
Signatory name (typed or printed): Ariel Chávez II, P.E., R.P.L.S

Signatory title: Director of Engineering Services

Signature: *Ariel Chavez II, P.E./R.P.L.S.* Date: January 2, 2025
(Use blue ink)

Subscribed and Sworn to before me by the said Ariel Chávez II, P.E./R.P.L.S.
on this 2nd day of January, 20 25.
My commission expires on the 29 day of June, 20 27.

Jose G Munoz
Notary Public



[SEAL]

Cameron
County, Texas

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

- ☒ Core Data Form (TCEQ Form No. 10400)
*(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
(TCEQ Form Nos. 10055 and 10411. Version dated 5/10/2019 or later.)
- ☒ Water Quality Permit Payment Submittal Form (Page 14)
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)
- ☒ 7.5 Minute USGS Quadrangle Topographic Map Attached
*(Full-size map if seeking "New" permit.
8 ½ x 11 acceptable for Renewals and Amendments.)*
- ☒ N/A ☐ Current/Non-Expired, Executed Lease Agreement or Easement Attached
- ☒ N/A ☐ Landowners Map
(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.

- ☒ N/A ☐ Landowners Labels and Cross Reference List
(See instructions for landowner requirements.)
- ☒ Electronic Application Submittal
(See application submittal requirements on page 23 of the instructions.)
- ☒ Original signature per 30 TAC § 305.44 – Blue Ink Preferred
*(If signature page is not signed by an elected official or principle executive officer,
a copy of signature authority/delegation letter must be attached.)*
- ☒ Summary of Application (in Plain Language)



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

The following information **is required** for all applications for a TLAP or an individual TPDES discharge permit.

For **additional information** or clarification on the requested information, please refer to the [Instructions for Completing the Industrial Wastewater Permit Application](#)¹ available on the TCEQ website. Please contact the Industrial Permits Team at 512-239-4671 with any questions about this form.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

Item 1. Facility/Site Information (Instructions, Page 39)

- a. Describe the general nature of the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

The Brownsville Navigation District (BND), d.b.a. Port of Brownsville, is a marine cargo handling deepwater port facility, which houses a variety of tenants, including several ship recycling facilities, which generate bilge water and oily water as waste from their operation. The Ballast Pits receive the bilge and oily waters from these facilities.

- b. Describe all wastewater-generating processes at the facility.

Wastewater generated at the port facilities are conveyed to two evaporation ponds (Ballast Pits Nos. 1 and 2) for disposal. Wastewater includes ballast water and bilge water from ocean-going vessels or vessels being dismantled in the Port area; wastewater from storage tanks for crude petroleum, kerosene, and diesel fuel; wastewater from clean-up of petroleum spills on water; and wastewater containing oily wastes from the sewage treatment plant and/or vegetable oil handling and storage activities. SIC 4491

¹

https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

- c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
crude oil		
lubricating oil		
diesel fuel		
gasoline		
vegetable oil		
petroleum hydrocarbons		
ballast water		
bilge water		

Attachment: N/A

- d. Attach a facility map (drawn to scale) with the following information:

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

Attachment: Attachment T.1 – Facility Map

- e. Is this a new permit application for an existing facility?

☐ Yes ☒ No

If **yes**, provide background discussion: N/A

- f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

☐ Yes ☒ No

List source(s) used to determine 100-year frequency flood plain: FEMA Flood Insurance Rate Map, Panel 0585F

If **no**, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: The facility is within Zone X which is defined as areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood. Each Ballast Pit has a levee for protection from flooding.

Attachment: N/A

- g. For **new** or **major amendment** permit applications, will any construction operations result in a discharge of fill material into a water in the state?

☐ Yes ☐ No ☒ N/A (renewal only)

- h. If **yes** to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

☐ Yes ☐ No

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

If **no**, provide an approximate date of application submittal to the USACE: N/A

Item 2. Treatment System (Instructions, Page 40)

- a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

Evaporation and Bioremediation

- b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: Attachment T.2 - Wastewater Flow Schematic

Item 3. Impoundments (Instructions, Page 40)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds?)

☒ Yes ☐ No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a – 3.e.

- a. Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.

Use Designation: Indicate the use designation for each impoundment as Treatment (T), Disposal (D), Containment (C), or Evaporation (E).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (C), In-situ clay liner (I), Synthetic/plastic/rubber liner (S), or Alternate liner (A). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (A) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter Y for yes. Otherwise, enter N for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter Y for yes. Otherwise, enter N for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter Y for yes. Otherwise, enter N for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	Pond #	Pond #	Pond #	Pond #
Use Designation: (T) (D) (C) or (E)	E1	E2		
Associated Outfall Number	1	2		
Liner Type (C) (I) (S) or (A)	I	I		
Alt. Liner Attachment Reference	N/A	N/A		
Leak Detection System, Y/N	N	N		
Groundwater Monitoring Wells, Y/N	N	N		
Groundwater Monitoring Data Attachment	N/A	N/A		
Pond Bottom Located Above The Seasonal High-Water Table, Y/N	Y	Y		
Length (ft)	1356	975		
Width (ft)	500	725		
Max Depth From Water Surface (ft), Not Including Freeboard	6	8		
Freeboard (ft)	2	2		
Surface Area (acres)	15.57	16.22		
Storage Capacity (gallons)	62.30 ACFT (20,300,544 gallons)	64.9 ACFT (21,147,757.7 gallons)		

Parameter	Pond #	Pond #	Pond #	Pond #
40 CFR Part 257, Subpart D, Y/N	N	N		
Date of Construction	Prior to 1971	1974		

Attachment: Attachment T.3: TCEQ Interoffice Memorandum – Water Quality Assessment Team Geology Recommendations

The following information (**Items 3.b – 3.e**) is required only for **new or proposed** impoundments.

- b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes** in the appropriate box. Otherwise, check **no** or **not yet designed**.

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

NOTE: Item b.3 is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

Attachment: N/A

For TLAP applications: Items 3.c – 3.e are **not required**, continue to Item 4.

- c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within ½-mile of the impoundments.

Attachment: N/A

- d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

Attachment: N/A

- e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

Attachment: N/A

Item 4. Outfall/Disposal Method Information (Instructions, Page 42)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/or numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
E1	25.964885	-97.384029
E2	25.959726	-97.395234

Outfall Location Description

Outfall No.	Location Description
E1	Ballast Pit No. 1 is approximately 4 miles east of the intersection of FM 511 & SH48
E2	Ballast Pit No. 2 is approximately 1 1/2 miles east of the intersection of FM 511 & SH 48

Description of Sampling Point(s) (if different from Outfall location)

Outfall No.	Description of sampling point
N/A	

Outfall Flow Information - Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
N/A					

Outfall Discharge - Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
N/A			

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used

Outfall Discharge - Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
N/A						

Outfall Wastestream Contributions

Outfall No. N/A

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
N/A		

Outfall No. N/A

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
N/A		

Outfall No. N/A

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
N/A		

Attachment: N/A

Item 5. Blowdown and Once-Through Cooling Water Discharges (Instructions, Page 43)

a. Indicate if the facility currently or proposes to:

- ☐ Yes ☒ No Use cooling towers that discharge blowdown or other wastestreams
- ☐ Yes ☒ No Use boilers that discharge blowdown or other wastestreams
- ☐ Yes ☒ No Discharge once-through cooling water

NOTE: If the facility uses or plans to use cooling towers or once-through cooling water, Item 12 **is required**.

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

In addition to each SDS, attach a summary of the above information for each specific wastestream and the associated chemical additives. Specify which outfalls are affected.

Attachment: N/A

c. Cooling Towers and Boilers

If the facility currently or proposes to use cooling towers or boilers that discharge blowdown or other wastestreams to the outfall(s), complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers			
Boilers			

Item 6. Stormwater Management (Instructions, Page 44)

Will any existing/proposed outfalls discharge stormwater associated with industrial activities, as defined at 40 CFR § 122.26(b)(14), commingled with any other wastestream?

☐ Yes ☒ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: N/A

Item 7. Domestic Sewage, Sewage Sludge, and Septage Management and Disposal (Instructions, Page 44)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

- a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.
 - ☐ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.
 - ☐ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.
 - ☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.
 - ☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.
 - ☐ Facility is a POTW. Complete Worksheet 5.0.
 - ☒ Domestic sewage is not generated on-site.
 - ☐ Other (e.g., portable toilets), specify and Complete Item 7.b: N/A
- b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
N/A	

Item 8. Improvements or Compliance/Enforcement Requirements (Instructions, Page 45)

- a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?
☐ Yes ☒ No
- b. Has the permittee completed or planned for any improvements or construction projects?
☐ Yes ☒ No
- c. If **yes** to either 8.a or 8.b, provide a brief summary of the requirements and a status update:

Item 9. Toxicity Testing (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes: N/A

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. **Attachment:** N/A

Item 10. Off-Site/Third Party Wastes (Instructions, Page 45)

- a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

☐ Yes ☒ No

If **yes**, provide responses to Items 10.b through 10.d below.

If **no**, proceed to Item 11.

- b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

Attachment: N/A

- c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

☐ Yes ☐ No

If **yes**, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: N/A

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

☐ Yes ☐ No

If **yes**, **Worksheet 6.0** of this application **is required**.

Item 11. Radioactive Materials (Instructions, Page 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)

b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)

Item 12. Cooling Water (Instructions, Page 46)

a. Does the facility use or propose to use water for cooling purposes?

☐ Yes
☒ No
☐ Decommissioned: N/A
☐ To Be Decommissioned: N/A

If **yes**, complete Items 12.b thru 12.f. If **no**, stop here.

If **decommissioned**, provide the date operation ceased and stop here.

If to **be decommissioned**, provide the date operation is anticipated to cease and stop here.

b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

☐ Yes ☐ No

If **yes**, stop here. If **no**, continue.

c. Cooling Water Supplier

1. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID				
Owner				
Operator				

2. Cooling water is/will be obtained from a Public Water Supplier (PWS)

☐ No ☐ Yes; PWS No.: N/A

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here.

3. Cooling water is/will be obtained from a reclaimed water source?

☐ No ☐ Yes; Auth No.: N/A

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here.

4. Cooling water is/will be obtained from an Independent Supplier

☐ No ☐ Yes; AIF: N/A

If **no**, proceed to Item 12.d. If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed.

d. 316(b) General Criteria

1. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

☐ Yes ☐ No

2. At least 25% of the total water withdrawn by the CWIS(s) is/will be used at the facility exclusively for cooling purposes on an annual average basis.

☐ Yes ☐ No

3. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in *40 CFR § 122.2*.

☐ Yes ☐ No. Explanation: N/A

If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in *40 CFR § 122.2*.

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f**.

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

- e. The facility does not meet the minimum requirements to be subject to the full requirements of Section 316(b) **and uses/proposes to use cooling towers**.

☐ Yes ☐ No

If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ.

f. Oil and Gas Exploration and Production

1. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

☐ Yes ☐ No

If **yes**, continue. If **no**, skip to Item 12.g.

2. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

☐ Yes ☐ No

If **yes**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.3.

g. Compliance Phase and Track Selection

1. Phase I – New facility subject to 40 CFR Part 125, Subpart I

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – AIF greater than 2 MGD, but less than 10 MGD

- Attach information required by *40 CFR §§ 125.86(b)(2)-(4)*.

☐ Track I – AIF greater than 10 MGD

- Attach information required by *40 CFR § 125.86(b)*.

☐ Track II

- Attach information required by *40 CFR § 125.86(c)*.

Attachment: N/A

2. Phase II – Existing facility subject to 40 CFR Part 125, Subpart J

☐ Yes ☐ No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

3. Phase III – New facility subject to 40 CFR Part 125, Subpart N

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection and provide the requested information.

☐ Track I – Fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – Not a fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).

☐ Track II – Fixed facility

- Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: N/A

Item 13. Permit Change Requests (Instructions, Page 48)

This item is only applicable to existing permitted facilities.

a. Is the facility requesting a **major amendment** of an existing permit?

☐ Yes ☒ No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

N/A

b. Is the facility requesting any **minor amendments** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

N/A

c. Is the facility requesting any **minor modifications** to the permit?

☐ Yes ☒ No

If **yes**, list and describe each change individually.

N/A

Item 14. Laboratory Accreditation (Instructions, Page 49)

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: Ariel Chavez II, PE/RPLS

Title: Director of Engineering

Signature: _____

Date: _____

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND APPLICATION OF EFFLUENT

This worksheet **is required** for all applications for a permit to disposal of wastewater by land application (i.e., TLAP)).

Item 1. Type of Disposal System (Instructions, Page 69)

Check the box next to the type of land disposal requested by this application:

- | | |
|--|--|
| <input type="checkbox"/> Irrigation | <input type="checkbox"/> Subsurface application |
| <input checked="" type="checkbox"/> Evaporation | <input type="checkbox"/> Subsurface soils absorption |
| <input type="checkbox"/> Evapotranspiration beds | <input type="checkbox"/> Surface application |
| <input type="checkbox"/> Drip irrigation system | <input type="checkbox"/> Other, specify: <u>N/A</u> |

Item 2. Land Application Area (Instructions, Page 69)

Land Application Area Information

Effluent Application (gallons/day)	Irrigation Acreage (acres)	Describe land use & indicate type(s) of crop(s)	Public Access? (Y/N)
100,000	N/A	N/A	N

Item 3. Annual Cropping Plan (Instructions, Page 69)

Attach the required cropping plan that includes each of the following:

- Cool and warm season plant species
- Breakdown of acreage and percent of total acreage for each crop
- Crop growing season
- Harvesting method/number of harvests
- Minimum/maximum harvest height
- Crop yield goals
- Soils map
- Nitrogen requirements per crop
- Additional fertilizer requirements
- Supplemental watering requirements
- Crop salt tolerances
- Justification for not removing existing vegetation to be irrigated

Attachment: N/A

Item 4. Well and Map Information (Instructions, Page 70)

- a. Check each box to confirm the required information is shown and labeled on the attached USGS map:
- ☒ The exact boundaries of the land application area
 - ☐ On-site buildings N/A
 - ☒ Waste-disposal or treatment facilities
 - ☐ Effluent storage and tailwater control facilities N/A
 - ☐ Buffer zones N/A
 - ☐ All surface waters in the state onsite and within 500 feet of the property boundaries N/A
 - ☐ All water wells within ½-mile of the disposal site, wastewater ponds, or property boundaries N/A
 - ☐ All springs and seeps onsite and within 500 feet of the property boundaries N/A

Attachment: Attachment T.1 – Facility Map

- b. List and cross reference all water wells located on or within 500 feet of the disposal site, wastewater ponds, or property boundaries in the following table. Attach additional pages as necessary to include all of the wells.

Well and Map Information Table

Well ID	Well Use	Producing? Y/N/U	Open, cased, capped, or plugged?	Proposed Best Management Practice
N/A				

Attachment: N/A

- c. Groundwater monitoring wells or lysimeters are/will be installed around the land application site or wastewater ponds.

☐ Yes ☒ No

If **yes**, provide the existing/proposed location of the monitoring wells or lysimeters on the site map attached for Item 4.a. Additionally, attach information on the depth of the wells or lysimeters, sampling schedule, and monitoring parameters for TCEQ review, possible modification, and approval.

Attachment: N/A

- d. Attach a short groundwater technical report using *30 TAC § 309.20(a)(4)* as guidance.

Attachment: N/A

Item 5. Soil Map and Soil Information (Instructions, Page 71)

Check each box to confirm that the following information is attached:

- a. ☐ USDA NRCS Soil Survey Map depicting the area to be used for land application with the locations identified by fields and crops.
- b. ☐ Breakdown of acreage and percent of total acreage for each soil type.
- c. ☐ Copies of laboratory soil analyses. **Attachment:** N/A

Item 6. Effluent Monitoring Data (Instructions, Page 72)

- a. Completion of Table 14 **is required** for all **renewal** and **major amendment** applications. Complete the table with monitoring data for the previous two years for all parameters regulated in the current permit. An additional table has been provided with blank headers for parameters regulated in the current permit which are not listed in Table 14.

Table 14 for Outfall No.: N/A

Samples are (check one): ☒ Composite ☐ Grab

[illegible]

Item 7. Pollutant Analysis (Instructions, Page 72)

- Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): N/A
- ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- Complete Tables 15 and 16.

Table 15 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)				
CBOD (5-day)				
Chemical oxygen demand				
Total organic carbon				
Dissolved oxygen				
Ammonia nitrogen				
Total suspended solids				
Nitrate nitrogen				
Total organic nitrogen				
Total phosphorus				
Oil and grease				
Total residual chlorine				
Total dissolved solids				
Sulfate				
Chloride				
Fluoride				
Total alkalinity (mg/L as CaCO ₃)				
Temperature (°F)				
pH (standard units)				

Table 16 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total					2.5
Antimony, total					5
Arsenic, total					0.5
Barium, total					3

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Beryllium, total					0.5
Cadmium, total					1
Chromium, total					3
Chromium, hexavalent					3
Chromium, trivalent					N/A
Copper, total					2
Cyanide, available					2/10
Lead, total					0.5
Mercury, total					0.005/0.0005
Nickel, total					2
Selenium, total					5
Silver, total					0.5
Thallium, total					0.5
Zinc, total					5.0

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.1: SURFACE LAND APPLICATION AND APPLICATION

This worksheet **is required** for all applications for a permit to disposal of wastewater by surface land application or evaporation.

Item 1. Edwards Aquifer (Instructions, Page 73)

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

☐ Yes ☒ No

If **no**, proceed to Item 2. If **yes**, complete Items 1.b and 1.c.

b. Check the box next to the subchapter applicable to the facility.

☐ 30 TAC Chapter 213, Subchapter A

☐ 30 TAC Chapter 213, Subchapter B

c. If *30 TAC Chapter 213, Subchapter A* applies, attach **either**: 1) a Geologic Assessment (if conducted in accordance with *30 TAC § 213.5*) **or** 2) a report that contains the following:

- A description of the surface geological units within the proposed land application site and wastewater pond area.
- The location and extent of any sensitive recharge features in the land application site and wastewater pond area
- A list of any proposed BMPs to protect the recharge features.

Attachment: N/A

Item 2. Surface Spray/Irrigation (Instructions, Page 73)

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): N/A

Design application rate (acre-ft/acre/yr): N/A

Design application frequency (hours/day): N/A

Design application frequency (days/week): N/A

Design total nitrogen loading rate (lbs nitrogen/acre/year): N/A

Average slope of the application area (percent): N/A

Maximum slope of the application area (percent): N/A

Irrigation efficiency (percent): N/A

Effluent conductivity (mmhos/cm): N/A

Soil conductivity (mmhos/cm): N/A

Curve number: N/A

Describe the application method and equipment: N/A

- b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance. **Attachment:** N/A

Item 3. Evaporation Ponds (Instructions, Page 74)

- a. Daily average effluent flow into ponds: 100,000 gallons per day
- b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions. **Attachment:** Attachment T.4: Evaporation Pond Evaluation

Item 4. Evapotranspiration Beds (Instructions, Page 74)

- a. Provide the following information on the evapotranspiration beds:
 - Number of beds: N/A
 - Area of bed(s) (acres): N/A
 - Depth of bed(s) (feet): N/A
 - Void ratio of soil in the beds: N/A
 - Storage volume within the beds (include units): N/A
 - Description of any lining to protect groundwater: N/A
- b. Attach a certification by a licensed Texas professional engineer that the liner meets TCEQ requirements. **Attachment:** N/A
- c. Attach a separate engineering report with water balance, storage volume calculations, and description of the liner. **Attachment:** N/A

Item 5. Overland Flow (Instructions, Page 74)

- a. Provide the following information on the overland flow:
 - Area used for application (acres): N/A
 - Slopes for application area (percent): N/A
 - Design application rate (gpm/foot of slope width): N/A
 - Slope length (feet): N/A
 - Design BOD5 loading rate (lbs BOD5/acre/day): N/A
 - Design application frequency (hours/day): N/A
 - Design application frequency (days/week): N/A
- b. Attach a separate engineering report with the method of application and design requirements according to 30 TAC § 217.212. **Attachment:** N/A

ATTACHMENT A.1:
COPY OF PAYMENT VOUCHER

Questions or Comments >>

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

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

Transaction Information

Trace Number: 582EA000641146
Date: 12/31/2024 02:54 PM
Payment Method: CC - Authorization 0000031739
ePay Actor: ARIEL CHAVEZ II
Actor Email: achavez@portofbrownsville.com
IP: 173.173.148.49
TCEQ Amount: \$315.00
Texas.gov Price: \$322.34*

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

Payment Contact Information

Name: ARIEL CHAVEZ
Company: BROWNSVILLE NAVIGATION DISTRICT
Address: 1000 FOUST ROAD, BROWNSVILLE, TX 78521
Phone: 956-592-3973

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
738303	WW PERMIT - MINOR FACILITY NOT SUBJECT TO 40 CFR 400-471 - RENEWAL		\$300.00
738304	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		\$15.00
TCEQ Amount:			\$315.00

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ATTACHMENT A.2:
CORE DATA FORM



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input 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 600520126		RN 102076502

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>					
Brownsville Navigation District									
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits) 17460004199		9. Federal Tax ID (9 digits)					
				10. DUNS Number (if applicable)					
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited					
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input checked="" type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:					
12. Number of Employees <input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher				13. Independently Owned and Operated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following									
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant									
15. Mailing Address:		1000 Foust Road							
City		Brownsville		State	TX	ZIP	78521	ZIP + 4	
16. Country Mailing Information (if outside USA)						17. E-Mail Address (if applicable)			
N/A						achavez@portofbrownsville.com			

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(956) 831-6153		() - -

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.)								
Ballast Pits No. 1 & 2								
23. Street Address of the Regulated Entity: (No PO Boxes)	N/A							
	City		State		ZIP		ZIP + 4	
24. County	Cameron							

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

25. Description to Physical Location:		Located on the north side of State Highway 48 approximately 1.4 miles (Pit No. 2) and 2.2 miles (Pit No. 1) east of the intersection of State Highway 48 with Farm-to-Market Road 511.						
26. Nearest City					State		Nearest ZIP Code	
Brownsville					TX		78526	
<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:			25.964885			28. Longitude (W) In Decimal:		
			25.959726					
Degrees	Minutes		Seconds		Degrees	Minutes		Seconds
N25	57		54		W97	23		3
N25	57		35		W097	23		43
29. Primary SIC Code		30. Secondary SIC Code		31. Primary NAICS Code		32. Secondary NAICS Code		
(4 digits)		(4 digits)		(5 or 6 digits)		(5 or 6 digits)		
4491				488320				
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Industrial Navigation District								
34. Mailing Address:		1000 Foust Road						
City	Brownsville	State	TX	ZIP	78526	ZIP + 4		
35. E-Mail Address:		achavez@portofbrownsville.com						

36. Telephone Number	37. Extension or Code	38. Fax Number (if applicable)
(956) 831-6153		() -

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:
	WQ0002597000			

SECTION IV: Preparer Information

40. Name:	Ariel Chavez, PE, RPLS	41. Title:	Director of Engineering
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(956) 831-4592		() -	achavez@portofbrownsville.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:	Brownsville Navigation District	Job Title:	Director of Engineering Services
Name (In Print):	Ariel Chávez II, P.E./R.P.L.S.	Phone:	(956) 831- 4592
Signature:		Date:	January 2, 2025

ATTACHMENT A.3:
PLAIN LANGUAGE SUMMARY



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by [Title 30, Texas Administrative Code \(30 TAC\), Chapter 39, Subchapter H](#). Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in [30 TAC Section 39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS **INDUSTRIAL** WASTEWATER/STORMWATER

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

The Brownsville Navigation District (BND), located at 1000 Foust Road in Brownsville, Cameron County, Texas, (CN600520126) operates BND's Ballast Pits No. 1 and No. 2 (RN102076502), a pair of evaporation ponds for the disposal of industrial wastewater. The facility is located at 9555 State Highway 48 (Pit No. 1) and 10455 State Highway 48 (Pit No. 2), in Brownsville, Cameron County, Texas 78521. The BND has applied to the Texas Commission on Environmental Quality (TCEQ) for renewal of TCEQ Permit No. WQ0002597000, which authorizes the disposal of oily industrial wastewater in two evaporation ponds. These ponds are referred to as Ballast Pits No. 1 and No. 2. The oily industrial wastewater is generated from the marine cargo handling facilities at the Port of Brownsville and includes ballast water and bilge water from ocean-going vessels or vessels being dismantled in the port area; wastewater from storage tanks for crude petroleum, kerosene and diesel fuel; wastewater from clean-up of petroleum spills on water; and wastewater containing oily wastes from the sewage treatment plant and/or vegetable oil handling activities. Any oily material which is

separated on the surface of the ponds is recovered by an oil recycler. The permit authorizes a wastewater flow not to exceed an average of 100,000 gallons per day to the Ballast Pits. The wastewater is contained within the pits and is treated by evaporation. This permit does not and will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain ballast water and bilge water from ocean-going vessels or vessels being dismantled in the port area; wastewater from storage tanks for crude petroleum, kerosene and diesel fuel; wastewater from clean-up of petroleum spills on water; and wastewater containing oily wastes from the sewage treatment plant and/or vegetable oil handling activities. The oily wastewaters are discharged to and contained within the lined Ballast Pits. As designed, the lined Ballast Pits will not discharge wastewater to surface water or groundwater. Industrial wastewater is treated by evaporation.

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

AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

El Distrito de Navegación de Brownsville (BND) (CN600520126) opera Pozos de Lastre Núm. 1 y Núm. 2 (RN102076502), un par de estanques de evaporación para la eliminación de aguas residuales industriales. La instalación está ubicada en Carretera Estatal 48 No. 9555 (Pozo Núm. 1) y Carretera Estatal 45 No. 10455 (Pozo Núm. 2), en Brownsville, Condado de Cameron, Texas 78521. El BND ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) una renovación para el Permiso WQ0002597000 que autoriza la eliminación de aguas residuales industriales aceitosas en dos estanques de evaporación. Los estanques se denominan Pozos de Lastre N.º 1 y N.º 2. Las aguas residuales industriales aceitoso se generan en las instalaciones de manipulación de carga marítima del Puerto de Brownsville y incluyen agua de lastre y agua de sentina de buques oceánicos o de buques que se desmantelan en la zona portuaria; aguas residuales de tanques de almacenamiento de petróleo crudo, queroseno y combustible diésel; aguas residuales de la limpieza de derrames de petróleo en el agua; y aguas residuales que contienen desechos aceitoso de la planta de tratamiento de aguas residuales y/o actividades de manipulación de aceite vegetal. El material acietoso que se separa en la superficie de los estanques es recuperado por una recicladora de aceite. El permiso autoriza un flujo de aguas residuales que no supere en promedio los 100.000 galones por día hacia los pozos de lastre. Las aguas residuales se contienen dentro de los pozos y se tratan mediante evaporación.. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan agua de lastre y agua de sentina de buques oceánicos o de buques que se desmantelan en la zona portuaria; aguas residuales de tanques de almacenamiento de petróleo crudo, queroseno y combustible diésel; aguas residuales de la limpieza de derrames de petróleo en el agua; y aguas residuales que contienen desechos oleosos de la planta de tratamiento de aguas residuales y/o actividades de manipulación de aceite vegetal. Las aguas residuales aceitosas se descargan en los pozos de lastre revestidos y se contienen en ellos. Tal como están diseñados, los pozos de lastre revestidos no descargarán aguas residuales a aguas superficiales o subterráneas.. Las aguas residuales industriales. estará tratado por evaporación.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

Example

Individual Industrial Wastewater Application

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

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

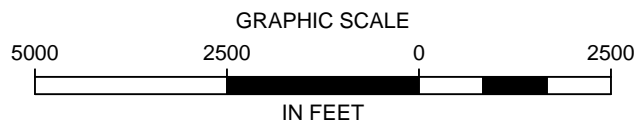
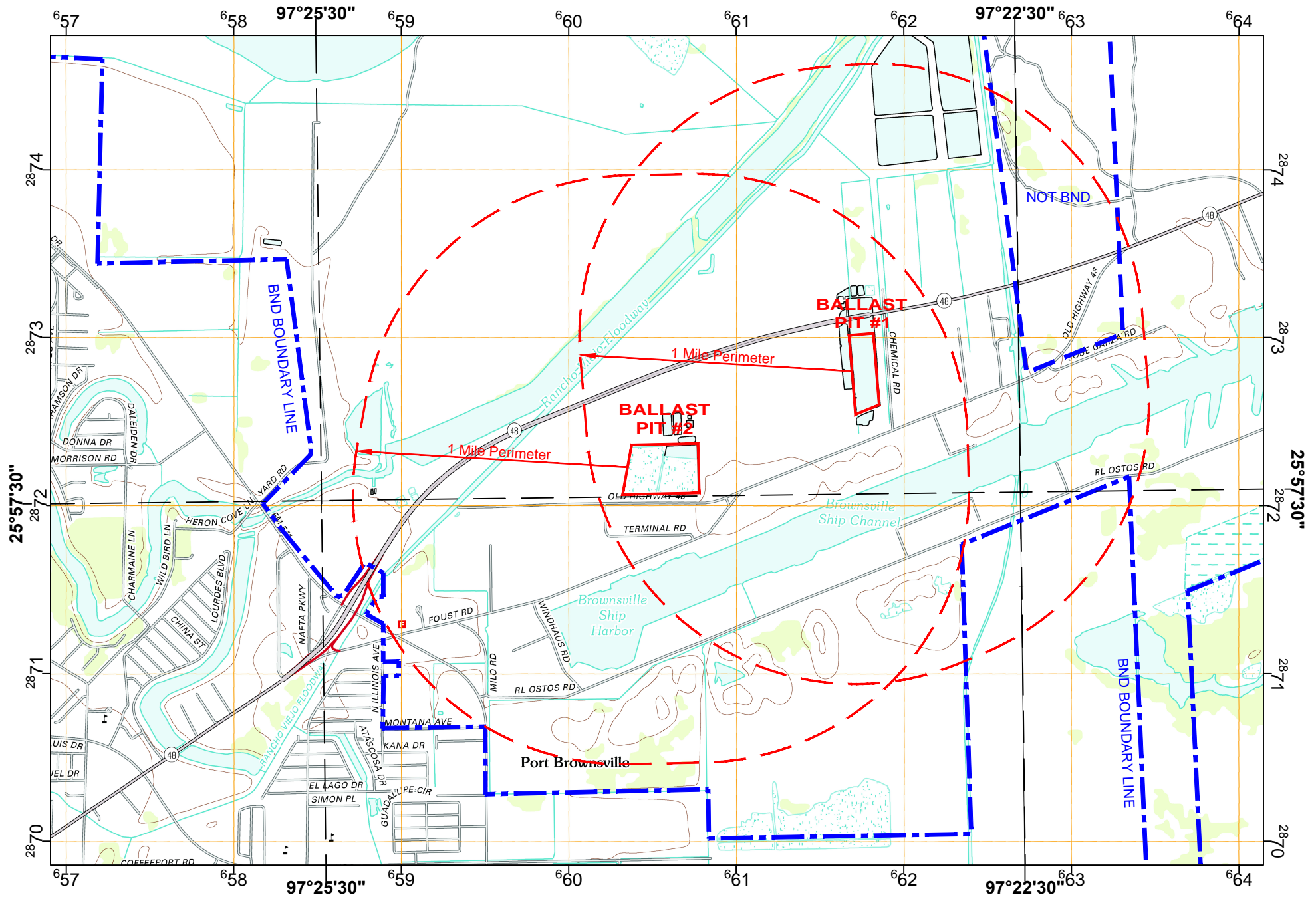
This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as “previously monitored effluents” (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

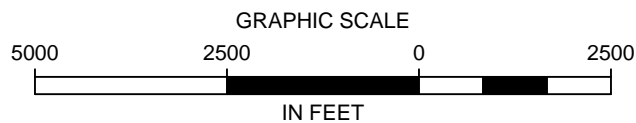
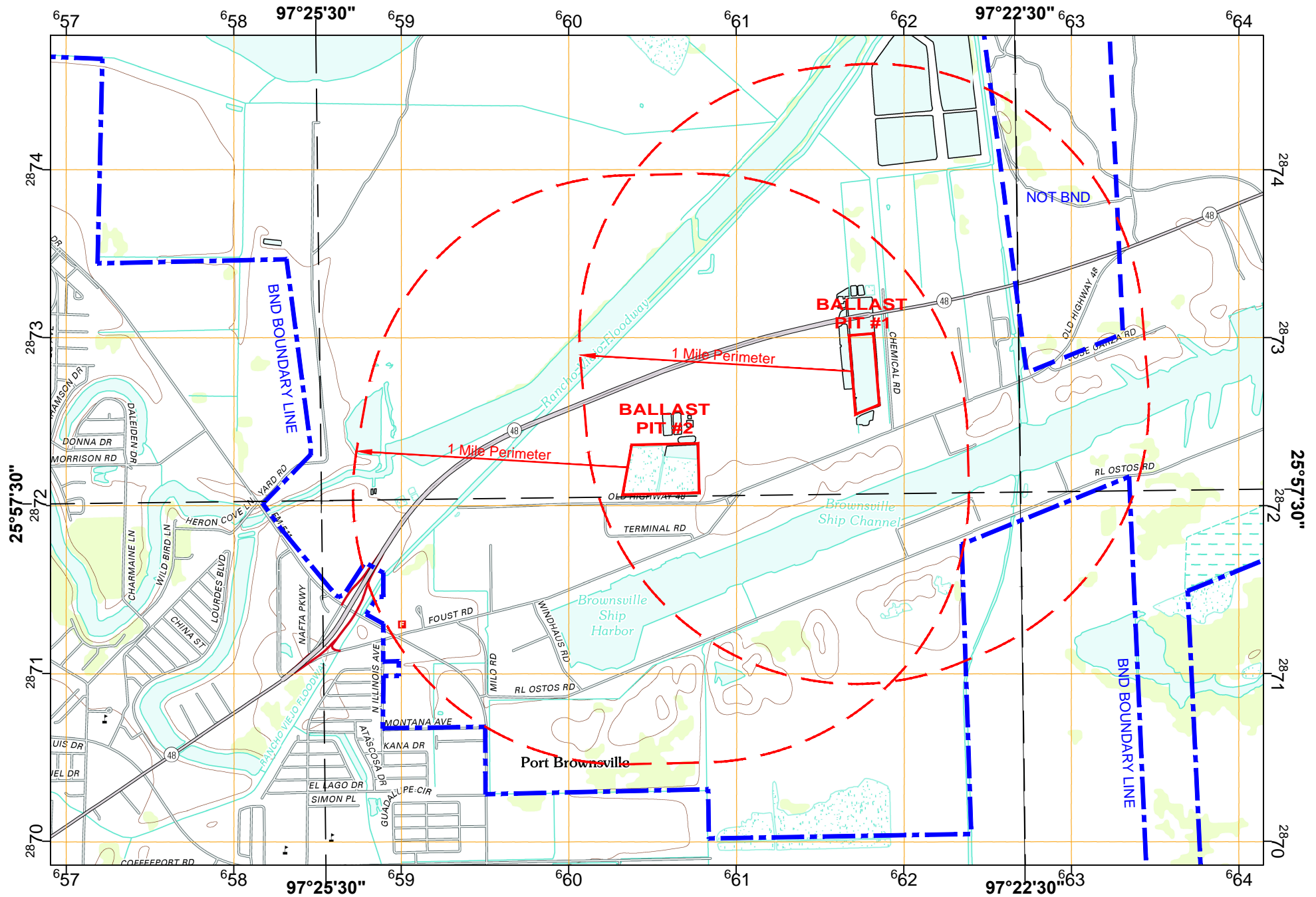
Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility’s potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

ATTACHMENT A.4:
SITE MAP

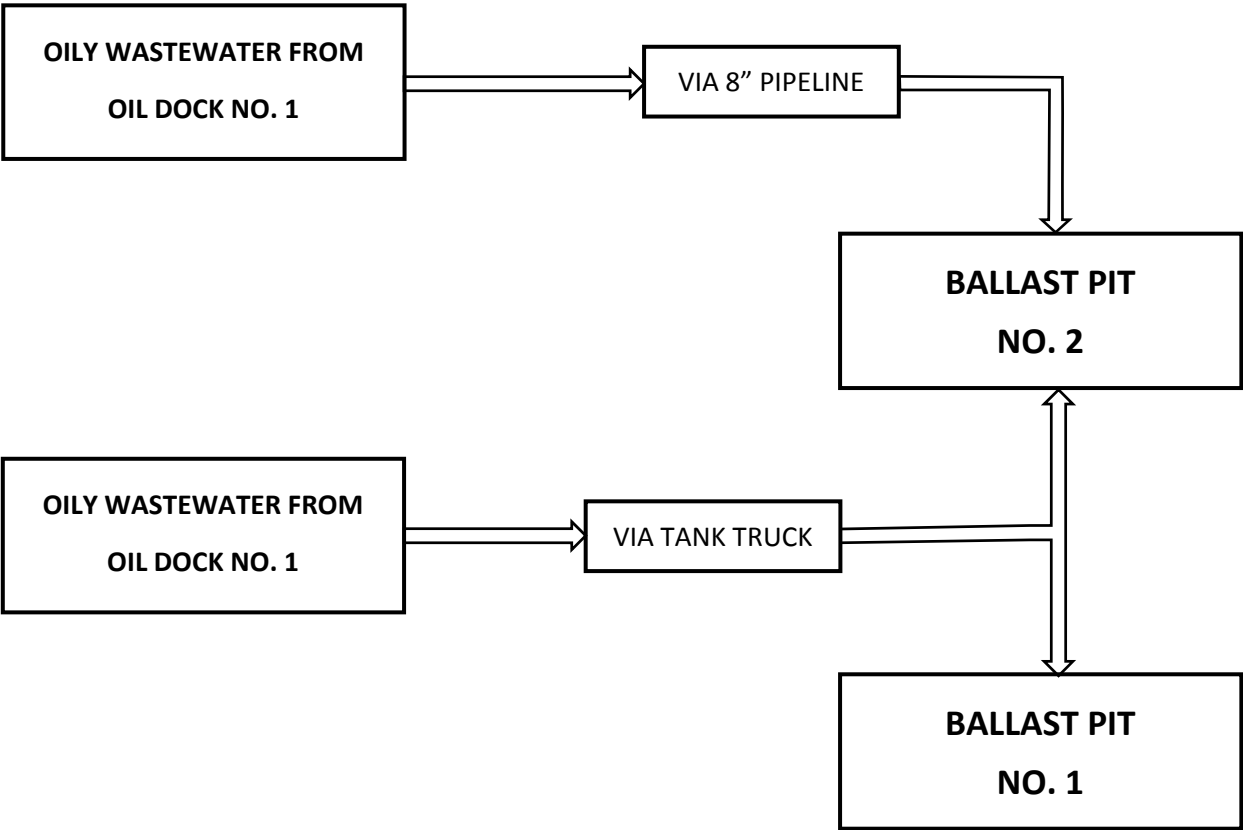


ATTACHMENT T.1:
SITE MAP



ATTACHMENT T.2:
WASTEWATER FLOW SCHEMATIC

**ATTACHMENT T.2: WASTEWATER
FLOW SCHEMATIC**
[FLOW PROCESS DIAGRAM]



ATTACHMENT T.3:
TCEQ INTEROFFICE MEMORANDUM

TCEQ Interoffice Memorandum

To: Mike Lindner, Leader

Industrial Permits Team

From: April Hoh, P.G., Geologist *AL 7/24/15*

Water Quality Assessment Team

Date: July 24, 2015

Subject: **Geology Recommendations, Brownsville Navigation District
Ballast Pits 1 and 2, Renewal, Permit No. 0002597-000, Cameron
County**

Based upon the review of the permit application and an evaluation of geology and groundwater information, the WQA Team reviewing geologist recommends the following as special provisions (no separate Agronomy was performed since this is an evaporation-only authorization).

Recommendations:

1. Replace Special Provision E with the most current pond liner language for new ponds at the site.
2. Add a new special provision: Ballast Pit #1 was constructed prior to 1971 and Ballast Pit #2 was constructed in 1974. These ponds shall be maintained and operated in a manner that prevents unauthorized discharge and contamination of groundwater. At least once per month, the permittee shall inspect the pond sides and bottom (if visible) for signs of damage and leakage, as well as any leak detection systems that are in service. These inspections shall be recorded in a log book maintained onsite.

April Hoh

From: Ariel Chavez <achavez@portofbrownsville.com>
Sent: Wednesday, July 22, 2015 4:26 PM
To: April Hoh
Cc: Nora Gonzalez
Subject: RE: Brownsville Navigation District - Ballast Pits Permits Renewals - Drawing

April,

I discussed this matter with Mr. Joe Garza. Long-time Director of Maintenance for the Port who is retiring this year. Mr. Garza was involved in the construction of Ballast Pit No. 2, and his recollection is that it was completed in early- to mid-1974. He also stated that Ballast Pit No. 1 was in existence when he started working at the Port in late 1971.

I hope this is the information you need.

Please let me know.

Thanks!!

MR. ARIEL CHÁVEZ II, P.E./R.P.L.S.

DIRECTOR OF ENGINEERING SERVICES

PORT OF BROWNSVILLE

* WORLD CLASS *

956/592-3973 (Cel) – 956/831-6153 (Fax)

From: April Hoh [mailto:april.hoh@tceq.texas.gov]
Sent: Tuesday, July 21, 2015 4:16 PM
To: Ariel Chavez
Cc: Nora Gonzalez
Subject: RE: Brownsville Navigation District - Ballast Pits Permits Renewals - Drawing

Mr. Chavez,

Thank you. Can you verify the approximate date of pond construction? I believe you mentioned on the phone that these ponds were both constructed prior to your colleague's employment 30 or 40 years ago. Is that correct? So the drawing is dated 1982, but the ponds pre-dated this drawing? I'm just making sure I have it accurate so we can place this all in regulatory context.

Thanks!

April

April Hoh, P.G.
Texas Commission on Environmental Quality
MC 150
P.O. Box 13087
Austin, Texas 78711-3087
Work: 512-239-3567

Email: april.hoh@tceq.texas.gov

From: Ariel Chavez [<mailto:achavez@portofbrownsville.com>]
Sent: Tuesday, July 21, 2015 12:06 PM
To: April Hoh
Cc: Nora Gonzalez
Subject: RE: Brownsville Navigation District - Ballast Pits Permits Renewals - Drawing

Ms. Hoh,

Here is the scan of the Ballast Pits drawing we discussed last Friday.

Please let me know if you need anything else.

Thanks!!

MR. ARIEL CHÁVEZ II, P.E./R.P.L.S.
DIRECTOR OF ENGINEERING SERVICES
PORT OF BROWNSVILLE
* WORLD CLASS *
956/592-3973 (Cel) – 956/831-6153 (Fax)

From: April Hoh [<mailto:april.hoh@tceq.texas.gov>]
Sent: Tuesday, July 21, 2015 8:12 AM
To: Ariel Chavez
Cc: Nora Gonzalez
Subject: RE: Brownsville Navigation District - Ballast Pits Permits Renewals - Drawing

Thank you for the update.

April

From: Ariel Chavez [<mailto:achavez@portofbrownsville.com>]
Sent: Monday, July 20, 2015 4:43 PM
To: April Hoh
Cc: Nora Gonzalez
Subject: Brownsville Navigation District - Ballast Pits Permits Renewals - Drawing

Ms. Hoh,

The scan of the drawing has not come back yet, but I'm told it will be given to me some time tomorrow.

I will send it to you as soon as I receive it.

Thank you for your patience!!

MR. ARIEL CHÁVEZ II, P.E./R.P.L.S.
DIRECTOR OF ENGINEERING SERVICES
PORT OF BROWNSVILLE
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April Hoh

From: Ariel Chavez <achavez@portofbrownsville.com>
Sent: Tuesday, July 21, 2015 12:06 PM
To: April Hoh
Cc: Nora Gonzalez
Subject: RE: Brownsville Navigation District - Ballast Pits Permits Renewals - Drawing
Attachments: Ballast Pit No 1 & No 2 Cross Sections.pdf

Ms. Hoh,

Here is the scan of the Ballast Pits drawing we discussed last Friday.

Please let me know if you need anything else.

Thanks!!

MR. ARIEL CHÁVEZ II, P.E./R.P.L.S.

DIRECTOR OF ENGINEERING SERVICES

PORT OF BROWNSVILLE

* WORLD CLASS *

956/592-3973 (Cel) – 956/831-6153 (Fax)

From: April Hoh [<mailto:april.hoh@tceq.texas.gov>]
Sent: Tuesday, July 21, 2015 8:12 AM
To: Ariel Chavez
Cc: Nora Gonzalez
Subject: RE: Brownsville Navigation District - Ballast Pits Permits Renewals - Drawing

Thank you for the update.

April

From: Ariel Chavez [<mailto:achavez@portofbrownsville.com>]
Sent: Monday, July 20, 2015 4:43 PM
To: April Hoh
Cc: Nora Gonzalez
Subject: Brownsville Navigation District - Ballast Pits Permits Renewals - Drawing

Ms. Hoh,

The scan of the drawing has not come back yet, but I'm told it will be given to me some time tomorrow.

I will send it to you as soon as I receive it.

Thank you for your patience!!

MR. ARIEL CHÁVEZ II, P.E./R.P.L.S.

DIRECTOR OF ENGINEERING SERVICES

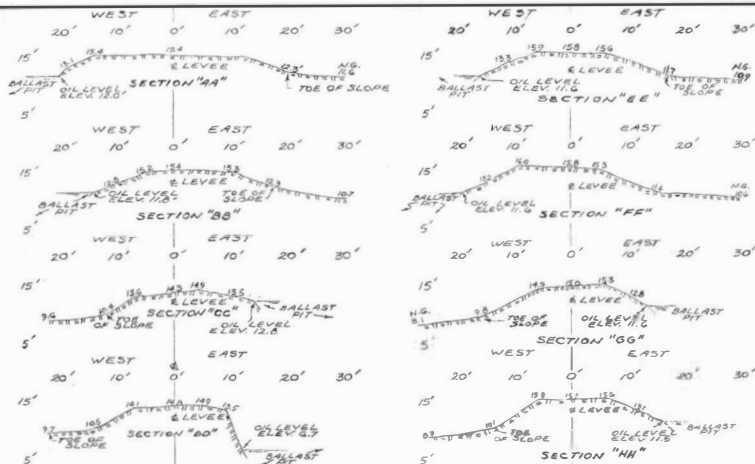
PORT of BROWNSVILLE

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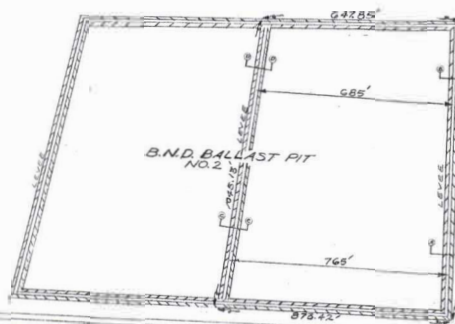
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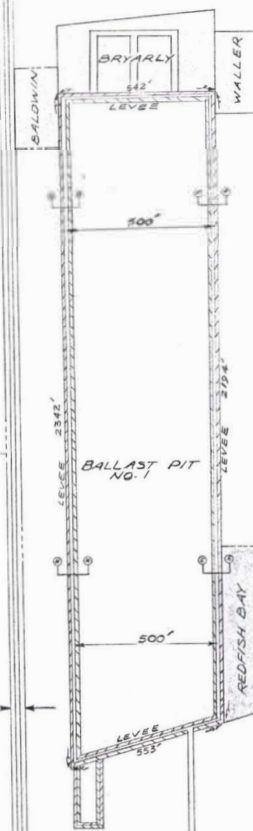
BALLAST PIT NO. 2
CROSS SECTIONS
HORIZONTAL: 1"=10'
SCALE: VERTICAL: 1"=10'

BALLAST PIT NO. 1
CROSS SECTIONS
HORIZONTAL: 1"=10'
SCALE: VERTICAL: 1"=10'

BALLAST PIT NO. 2
CROSS SECTIONS
HORIZONTAL: 1"=10'
SCALE: VERTICAL: 1"=10'



BALLAST PITS
SCALE: 1"=200'



UNION CARBIDE
CHEMICALS

BROWNSVILLE NAVIGATION DISTRICT
ENGINEERING DEPARTMENT
BROWNSVILLE, TEXAS 78520

ENGINEER'S SEAL

BALLAST PIT NO. 1 & NO. 2
CROSS SECTIONS

DRAWN	CHECKED	DATE	REVISION	DRAWING NUMBER
V.M.M.		JULY 25, 1962		1640A
SCALE: 1"=200'				

DOCKET NO.
FOLDER 4

April Hoh

From: April Hoh
Sent: Friday, June 26, 2015 2:56 PM
To: achavez@portofbrownsville.com; nagonzalez@portofbrownsville.com
Cc: Lynda Clayton
Subject: WQ0002597000 Ballast Pits No 1 and 2--Request for additional information

Good afternoon,

I am currently conducting a groundwater technical review of the permit renewal for the Ballast Pits No 1 and 2 facility and require additional information so I can complete my review. Please provide this information by July 13, 2015 to my attention. You can reply electronically as a reply to this email or by regular mail.

1. Can you please provide the pond liner certifications for Pit 1 and 2? These could include as-built, stamped engineering drawings showing the pond liners or laboratory test results for the pond liners stamped by the engineer or other technical documentation from the engineer of record.

I will be out of the office until July 13, 2015. If you have any questions in my absence, please contact Ms. Lynda Clayton at 512-239-4591.

Thank you,
April

April Hoh, P.G.
Texas Commission on Environmental Quality
MC 150
P.O. Box 13087
Austin, Texas 78711-3087
Work: 512-239-3567
Email: april.hoh@tceq.texas.gov

ATTACHMENT T.4:
EVAPORATION POND EVALUATION

ATTACHMENT T.4: Evaporation Pond Evaluation

Average Condition Evaluation

The pond(s) must have enough surface area to evaporate all the flow to the pond(s) under average rainfall conditions. The pond is considered adequately sized when the Total Storage Necessary is less than or equal to zero. If this value is greater than zero, the pond's surface must be increased or the effluent flow reduced to ensure that no accumulation occurs during average conditions.

The following is a summary of calculations performed in determining the Total Storage Necessary:

Effluent Flow	0.1	MGD
Pond Surface Acres	31.79	acres
Pond Storage Volume	127.2	acre-feet

Month	# of Days	Flow to Ponds (acre-feet)	Evap Rate (feet)	Evap from Ponds (acre-feet)	Storage Requirements (acre-feet)
January	31	9.512120284	0.14993333	4.766380667	4.745739617
February	28	8.591592514	0.16523333	5.252767667	3.338824848
March	31	9.512120284	0.29683333	9.436331667	0.075788617
April	30	9.205277694	0.3573	11.358567	-2.153289306
May	31	9.512120284	0.34146667	10.85522533	-1.34310505
June	30	9.205277694	0.4578	14.553462	-5.348184306
July	31	9.512120284	0.50186667	15.95434133	-6.44222105
August	31	9.512120284	0.53073333	16.87201267	-7.359892383
September	30	9.205277694	0.06283333	1.997471667	7.207806027
October	31	9.512120284	0.1851	5.884329	3.627791284
November	30	9.205277694	0.16376667	5.206142333	3.999135361
December	31	9.512120284	0.1401	4.453779	5.058341284
Total Storage Necessary					5.406734944

Flow to Pond = (Effluent Flow (MGD)) * (# of Days) * (3.0684)

Evaporation from Pond = (Pond Surface Acres) * (Evaporation Rate)

Evaporation Rate = 25-year average monthly net evaporation*

Storage Requirement = (Flow to Pond) - (Evaporation from Pond)

Total Storage Necessary = SUM (Storage Requirement)

Under average conditions, Ponds 1 and 2 are expected to accumulate approximately 5.4 acre-feet of wastewater per year. Special Provision D remains in effect with a requirement to have the ability to manage and additional 5.41 acre-feet of wastewater per year. Under critical conditions, the ponds are expected to accumulate approximately 49.7 acre-feet of wastewater during a 25-year rainfall event. With 127.2 acre-feet of total storage, no discharge is expected with proper management of the ponds in accordance with this permit.

*Texas Water Development Board Lake Evaporation and Precipitation data for Quadrangle 1110 for the period of record 1954 through 1999.

Conclusions

ATTACHMENT T.4: Evaporation Pond Evaluation

30 Texas Administrative Code (TAC), Chapter 309, Subchapter C outlines procedures used to determine appropriate design for irrigation systems at domestic wastewater treatment plants. Appropriate evaporation pond sizing is determined based upon these procedures using best professional judgement (BPJ). These procedures consist of two evaluations: critical condition evaluation and average condition evaluation.

Critical Condition Evaluation

The critical condition evaluation is designed to evaluate the storage capacity of the pond(s) under a "worst-case scenario." The worst-case scenario is defined as the 25-year lowest net evaporation* assuming daily flow to the pond at the permitted rate. The pond's storage capacity is considered adequate when the Total Storage Necessary is less than or equal to the Pond Storage Volume (the pond could contain all wastewater discharged when evaporation is lowest).

The following is a summary of calculations performed in determining the Total Storage Necessary:

Effluent Flow	0.1	MGD
Pond Surface Acres	31.79	acres
Pond Storage Volume	127.2	acre-feet

Month	# of Days	Flow to Ponds (acre-feet)	Evap Rate (feet)	Evap from Ponds (acre-feet)	Storage Requirements (acre-feet)
January	31	9.512120284	0.087644573	2.78622099	6.725899293
February	28	8.591592514	0.096588295	3.070541896	5.521050618
March	31	9.512120284	0.173515991	5.516073348	3.996046936
April	30	9.205277694	0.208862202	6.63972939	2.565548304
May	31	9.512120284	0.199606716	6.345497516	3.166622768
June	30	9.205277694	0.267610176	8.507327497	0.697950197
July	31	9.512120284	0.293369653	9.326221261	0.185899023
August	31	9.512120284	0.310243864	9.862652425	-0.350532141
September	30	9.205277694	0.036729662	1.167635964	8.03764173
October	31	9.512120284	0.108201493	3.439725469	6.072394815
November	30	9.205277694	0.095730945	3.043286733	6.161990961
December	31	9.512120284	0.08189643	2.603487511	6.908632773
Total Storage Necessary					49.68914528

Flow to Pond = (Effluent Flow (MGD)) * (# of Days)* (3.0684)
Evaporation from Pond = (Pond Surface Acres) * (Evaporation Rate)
Evaporation Rate = 25-year lowest net evaporation distributed by month
Storage Requirement = (Flow to Pond) - (Evaporation from Pond)
Total Storage Necessary = SUM (Storage Requirement)

*Texas Water Development Board Lake Evaporation and Precipitation data for Quadrangle X for the period of record 1954 through 1999.

Candice Calhoun

From: Candice Calhoun
Sent: Tuesday, January 28, 2025 12:38 PM
To: mmartinez@portofbrownsville.com
Cc: jherrera@portofbrownsville.com; Erwin Madrid
Subject: Application for Permit No. WQ0010291002 - Notice of Deficiency 30-Day Will Return Letter
Attachments: WQ002597000_ Will Return Ltr.pdf
Importance: High

Dear applicant,

The attached Notice of Deficiency 30-Day Will Return Letter was mailed on January 28, 2025, requesting additional information needed to declare the application administratively complete. Please mail an original and two copies (with a cover letter) of the complete response by February 27, 2025.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

Candice Calhoun

From: Bohmfalk, Michael <MBohmfolk@trccompanies.com>
Sent: Wednesday, January 29, 2025 4:29 PM
To: Candice Calhoun
Cc: Ariel Chavez; Manuel Martinez; jherrera@portofbrownsville.com; Nora Gonzalez; Savell, Nicole; Miller, Mallory; Machin, James
Subject: WQ0002597000 Renewal - NOD1 Response
Attachments: WQ0002597000-NOD1-Response.pdf; NORI English - Proposed Edits.docx; BND Industrial Disposal Renewal Spanish NORI.docx

Hello Ms. Calhoun-Courville,

On behalf of the Brownsville Navigation District, TRC is transmitting the attached response to TCEQ's request for additional information dated January 13, 2025. For convenience, we have also attached Word versions of the NORI. Please do not hesitate to contact us if there are any questions or if any additional information is needed.

Thank you,
Michael

Michael D. Bohmfalk, CHMM

Senior Program Manager/ Regional Practice Leader



505 East Huntland Drive, Suite 250, Austin,
TX 78752

C 512-925-0662

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505 E. Huntland Dr., Ste. 250
Austin, TX 78752

☎ 512.329.6080

January 29, 2025

Ms. Candice Calhoun-Courville
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

RE: Application to Renew Permit No.: WQ0002597000
Applicant Name: Brownsville Navigation District (CN600520126)
Site Name: Ballast Pits No. 1 & 2 (RN102076502)
Type of Application: Renewal

VIA EMAIL

Dear Ms. Calhoun-Courville,

Brownsville Navigation District has received your letter dated January 13, 2025, requesting additional information needed to declare the application referenced above as administratively complete. On behalf of the BND, TRC Environmental Corporation (TRC) offers the following responses and attached documents for consideration. For convenience, each request is repeated below followed by our response in **bold**.

1. USGS Topographic Map – The USGS map provided is missing the applicant's property boundaries as well as the effluent disposal site and any pond(s). Please provide a revised USGS map to provide the requested information.

The USGS Map has been revised to include a legend describing which lines represent the applicant's property boundaries and the evaporation pond locations (i.e., effluent disposal site). A copy of the revised USGS Map is attached.

2. Technical Report 1.0 – Item 4 – The permitted flow information was not provided. Please provide an updated portion of the Technical Report.

Item 4 of the Technical Report 1.0 on Page 6 of 82 was revised to include the permitted flow information. A copy of the revised Page 6 is attached.

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

The portion of the NORI provided has been reviewed. Recommended edits are shown in tracked changes in the attached Word document "NORI English - Proposed Edits."

Ms. Candice Calhoun-Courville
Applications Review and Processing Team (MC148)
January 29, 2025
Page 2

4. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.

**The NORI with proposed edits has been translated to Spanish in the attached word file
“BND Industrial Disposal Renewal Spanish NORI.”**

If you have any questions, please do not hesitate to contact me by phone at 512-925-0662 or by email at mbohmfalk@trccompanies.com.

Sincerely,

TRC Environmental Corporation



Michael D. Bohmfalk, CHMM
Senior Program Manager/Regional Practice Leader

Attachments

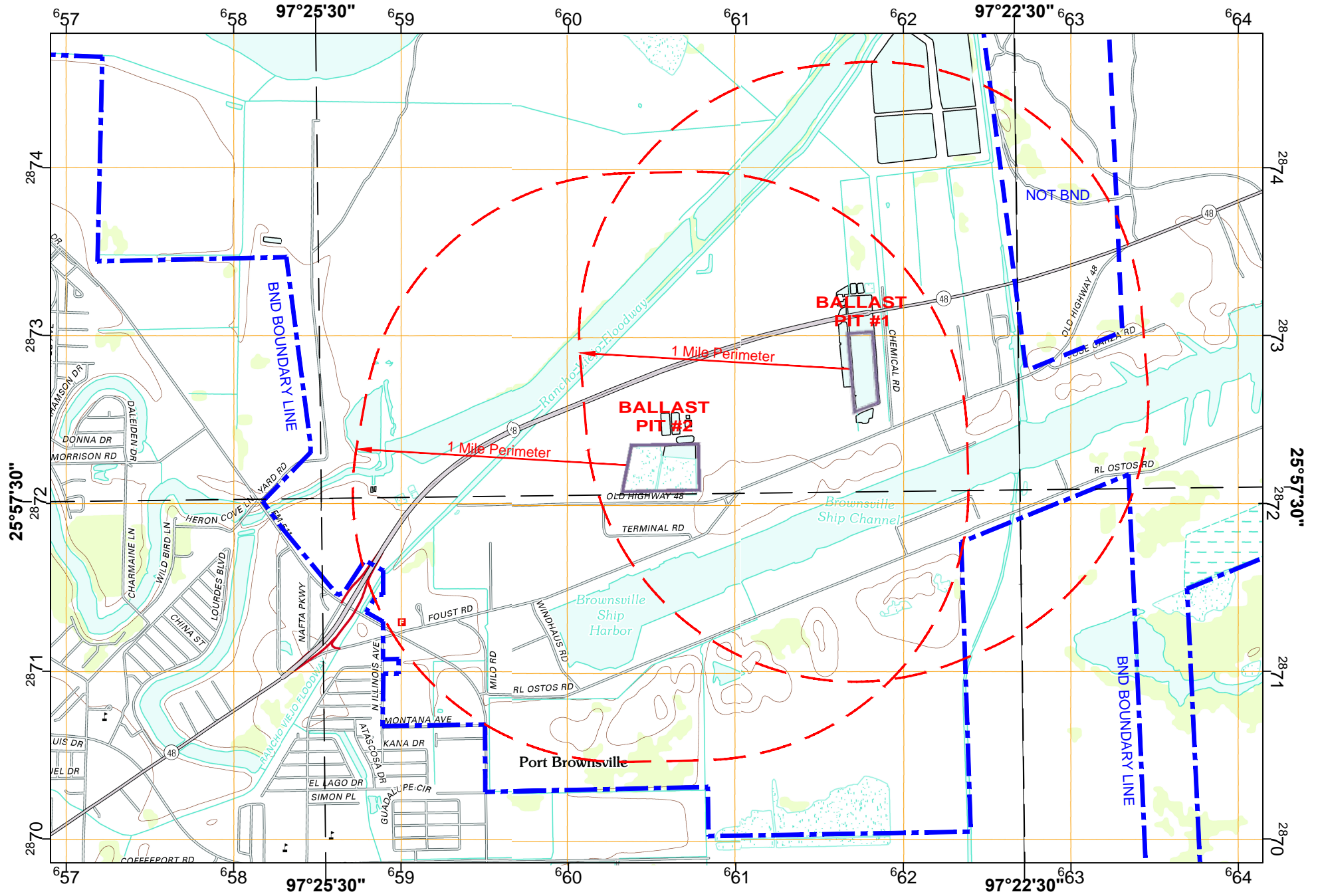
cc: Mr. Manuel Martinez – Brownsville Navigation District
Mr. Jose Herrera – Brownsville Navigation District
Ms. Nicole Savell – TRC





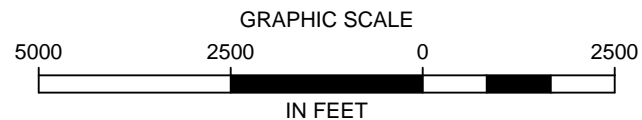
Attachment 1
Revised USGS Map

ATTACHMENT 1



LEGEND

- Property Boundary
- Evaporation Pond - Effluent Disposal Site





Attachment 2
Revised Page 6 of 82
Item 4 of the Technical Report 1.0

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/or numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
E1	25.964885	-97.384029
E2	25.959726	-97.395234

Outfall Location Description

Outfall No.	Location Description
E1	Ballast Pit No. 1 is approximately 4 miles east of the intersection of FM 511 & SH48
E2	Ballast Pit No. 2 is approximately 1 1/2 miles east of the intersection of FM 511 & SH 48

Description of Sampling Point(s) (if different from Outfall location)

Outfall No.	Description of sampling point
N/A	

Outfall Flow Information - Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
E1 & E2	N/A	0.1	N/A	N/A	N/A

Outfall Discharge - Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
N/A			



Attachment 3
Revised English and Spanish NORI

APPLICATION. Brownsville Navigation District, 1000 Foust Road, Brownsville, Texas 78521, which owns the Ballast Pits No. 1 and No. 2, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0002597000 to authorize the disposal of treated wastewater at a volume not to exceed a daily ~~average-maximum~~ flow of 100,000 gallons per day via evaporation of a combined surface area of 31.79 acres and a combined storage capacity of 127.2 acre-feet. The facility and disposal area are located at 9555 State Highway 48 and 10455 State Highway 48, both on the ~~north-south~~ side of State Highway 48 and east of the intersection of State Highway 48 and Farm-to-Market Road 511, with Pit No. 1 located 4 miles east of the intersection, and Pit No. 2 located 1.5 miles east of the intersection, near the city of Brownsville, in Cameron County, Texas 78521. TCEQ received this application on January 2, 2025. The permit application will be available for viewing and copying at Brownsville Navigation District - Administration Building, reception area, 1000 Foust Road, Brownsville, in Cameron County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-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=-97.383888,25.965833&level=18>

Further information may also be obtained from Brownsville Navigation District at the address stated above or by calling Mr. Ariel Chavez II, P.E., Director of Facilities Maintenance, at 956-831-4592.