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
   - Alternative Language (Spanish)
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
   - Idioma alternativo (español)
4. Materiales de la solicitud **
5. Proyecto de permiso **
6. Resumen técnico u hoja de datos **

Domestic Wastewater TLAP Renewal 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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Land application of domestic wastewater from the facility are expected to contain five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, an equalization basin, an aeration basin, a final clarifier, an aerobic sludge digester, tertiary filters, and a chlorine contact chamber. In addition, the facility includes a temporary storage that equals to at least three days of the daily average flow.

Maverick County (600640015) operates the Radar Base Wastewater Treatment plant (RN101607224), a pond system operation. The facility is located at approximately 4,300 feet southeast of the intersection of U.S Highway 277 and state Highway 131, in Eagle Pass, Maverick County, Texas 78852. This application is for a renewal to dispose a daily average flow not to exceed 0.10 MGD in the interim phase and 0.20 MGD in the final phase of treated domestic wastewater via subsurface irrigation of non-public access land with a minimum area of 30 acres for interim phase and 60 acres for final phase. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain five-day biochemical oxygen demand (BOD_5),. Domestic water is treated by one facultative lagoon, two stabilization ponds and one storage pond in intermit phase and in final phase all units will be duplicated.

Solicitud de Renovación de Permiso TLAP para Aguas Residuales Domésticas

A continuación se presenta un resumen de la solicitud de permiso pendiente de calidad del agua, actualmente en revisión por parte de la Comisión de Calidad Ambiental de Texas (Texas Commission on Environmental Quality – TCEQ), conforme a lo requerido por el Capítulo 39 del Código Administrativo de Texas. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no constituye representaciones exigibles a nivel federal del contenido de la solicitud de permiso.

La aplicación en tierra de aguas residuales domésticas de esta instalación se espera que contenga demanda bioquímica de oxígeno a cinco días (DBO5), sólidos suspendidos totales (SST) y Escherichia coli. Contaminantes adicionales potenciales están incluidos en el Informe Técnico Doméstico 1.0, Sección 7. Análisis de Contaminantes del Efluente Tratado, incluido en el paquete de la solicitud del permiso. Las aguas residuales domésticas se tratan mediante un proceso de lodos activados, y las unidades de tratamiento incluyen una rejilla de barras, un tanque de igualación, un tanque de aireación, un clarificador final, un digestor aeróbico de lodos, filtros terciarios y una cámara de contacto con cloro. Además, la instalación incluye un almacenamiento temporal con capacidad para al menos tres días del flujo promedio diario.

El Condado de Maverick (600640015) opera la planta de tratamiento de aguas residuales Radar Base (RN101607224), mediante un sistema de estanques. La instalación se encuentra aproximadamente a 4,300 pies al sureste de la intersección de la autopista U.S. 277 y la carretera estatal 131, en Eagle Pass, Condado de Maverick, Texas 78852. Esta solicitud es para renovar el permiso de disposición de aguas residuales domésticas tratadas con un flujo promedio diario que no exceda 0.10 MGD en la fase intermedia y 0.20 MGD en la fase final, mediante irrigación subterránea en terrenos sin acceso público, con un área mínima de 30 acres en la fase intermedia y 60 acres en la fase final. Este permiso no autoriza la descarga de contaminantes en cuerpos de agua del estado.

Se espera que los efluentes de la instalación contengan demanda bioquímica de oxígeno a cinco días (DBO5). El tratamiento de las aguas residuales domésticas se realiza mediante una laguna facultativa, dos estanques de estabilización y un estanque de almacenamiento en la fase intermedia. En la fase final, todas las unidades serán duplicadas.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0013716001

APPLICATION. Maverick County, 500 Quarry Street, Suite 3, Eagle Pass, Texas 78852, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0013716001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 200,000 gallons per day via surface irrigation on 60 acres of non-public access land. The domestic wastewater treatment facility and disposal area are located approximately 4,300 feet southeast of the intersection of U.S. Highway 277 and State Highway 131, near the city of Eagle Pass, in Maverick County, Texas 78852. TCEQ received this application on April 10, 2025. The permit application will be available for viewing and copying at Maverick County Courthouse, County Judge's Office, 500 Quarry Street, Suite 3, Eagle Pass, in Maverick 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=-100.535555,28.856666&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 Maverick County at the address stated above or by calling Mr. Ernie Hernandez, Water Works Operator, at 830-773-4747.

Issuance Date: May 2, 2025

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD E
INTENCION DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA
RENOVACION

PERMISO NO. WQ0013716001

SOLICITUD. Maverick County, 500 Quarry Street, Suite 3, Eagle Pass, Texas 78852, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) para renovar el Permiso No. WQ0013716001 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 200,000 galones por día mediante irrigación superficial en 60 acres de terreno sin acceso público. La planta de tratamiento de aguas domésticos residuales y el área de disposición están ubicados aproximadamente 4,300 pies al sureste de la intersección de U.S. Highway 277 y State Highway 131, cerca de la ciudad de Eagle Pass, en el Condado de Maverick, Texas 78852. La TCEQ recibió esta solicitud el 10 de abril de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Maverick County Courthouse, County Judge's Office, 500 Quarry Street, Suite 3, Eagle Pass, en el Condado de Maverick, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/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=-100.535555,28.856666&level=18

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés

público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

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

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

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

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

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

También se puede obtener información adicional del Condado de Maverick a la dirección indicada arriba o llamando a Ernie Hernandez al 830-773-4747

Fecha de emisión: 2 de mayo de 2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR WATER QUALITY LAND APPLICATION PERMIT FOR MUNICIPAL WASTEWATER

RENEWAL

PERMIT NO. WQ0013716001

APPLICATION AND PRELIMINARY DECISION. Maverick County, 500 Quarry Street, Suite 3, Eagle Pass, Texas 78852, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0013716001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 200,000 gallons per day via surface irrigation of 60 acres of non-public access land. This permit will not authorize a discharge of pollutants into water in the state. TCEQ received this application on April 10,2025.

The wastewater treatment facility and disposal site are located approximately 4,300 feet southeast of the intersection of U.S. Highway 277 and State Highway 131, near the City of Eagle Pass, Maverick County, Texas 78852. The wastewater treatment facility is located in the drainage basin of Rio Grande in Segment No. 2304 of the Rio Grande. 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 the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.989722,30.021388&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 Maverick County Courthouse, County Judge's Office, 500 Quarry Street, Suite 3, Eagle Pass, in Maverick 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/plain-language-summaries-and-public-notices. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices.

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 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 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/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.

All written public comments and public meeting requests must be submitted to the Office of the Chief Clerk, MC 105, Texas Commission on Environmental Quality, P.O. Box 13087, Austin, TX 78711-3087 or electronically at 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 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 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. Any personal information you submit to the TCEQ will become part of the agency's record; this includes email addresses. 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 Maverick County at the address stated above or by calling Mr. Ernie Hernandez, Water Works Operator, at 830-773-4747.

Issuance Date: July 8, 2025

Comisión De Calidad Ambiental Del Estado De Texas

AVISO DE LA SOLICITUD Y DECISIÓN PRELIMINAR PARA EL PERMISO DEL SISTEMA DE ELIMINACION DE DESCARGAS DE CONTAMINANTES DE TEXAS (TPDES) PARA AGUAS RESIDUALES MUNICIPALES

RENOVACIÓN

PERMISO NO. WQ0013716001

SOLICITUD Y DECISIÓN PRELIMINAR. Maverick County, 500 Quarry Street, Suite 3, Eagle Pass, Texas 78852, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) una renovación del Permiso No. WQ0013716001 de la TCEQ, el cual autoriza la disposición de aguas residuales domésticas tratadas con un flujo promedio diario que no exceda los 200,000 galones por día mediante irrigación superficial de 60 acres de tierras sin acceso público. Este permiso no autoriza una descarga de contaminantes a las aguas del estado. La TCEQ recibió esta solicitud el 10 de abril de 2025.

La planta de tratamiento de aguas residuales y el sitio de disposición están ubicados aproximadamente a 4,300 pies al sureste de la intersección de la Carretera U.S. 277 y la Carretera Estatal 131, cerca de la ciudad de Eagle Pass, en el condado de Maverick, Texas. La planta está ubicada en la cuenca del Río Bravo en el Segmento No. 2304. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía pública y no forma parte de la solicitud o del aviso. Para conocer la ubicación exacta, consulte la solicitud:
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.989722,30.021388&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 el Juzgado del Condado de Maverick, Oficina del Juez del Condado, 500 Quarry Street, Suite 3, Eagle Pass, 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/tlap-applications

AVISO DE IDIOMA ALTERNATIVO. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices.

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. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso para descargar aguas residuales 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 TECQ 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. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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.

NFORMACIÓN DISPONIBLE EN LÍNEA. Para obtener detalles sobre el estado de la solicitud, visite la Base de Datos Integrada de los Comisionados en **www.tceq.texas.gov/goto/cid.** Busque en la base de datos utilizando el número de permiso correspondiente a esta solicitud, el cual se encuentra en la parte superior de este aviso.

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 al 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 de Maverick County en la dirección indicada anteriormente o llamando al Sr. Ernie Hernandez, Operador de Agua Potable, al 830-773-4747.

Fecha de emission: 8 de julio de 2025

PERMIT NO. WQ0013716001

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

This is a renewal of Permit No. WQ0013716001 issued on September 22, 2015.

PERMIT TO DISCHARGE WASTES
under provisions of Chapter 26
of the Texas Water Code

Maverick County

whose mailing address is

500 Quarry Street, Suite 3
Eagle Pass, Texas 78852

Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code 4952.

General Description and Location of Waste Disposal System:

Description: The Radar Base Wastewater Treatment Facility consists of a pond system. Treatment units include one facultative lagoon, two stabilization ponds, and one storage pond in the Interim Phase. The Final Phase will consist of a parallel system and the units will be duplicate of the Interim Phase. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.10 million gallons per day (MGD) in the Interim Phase and 0.20 MGD in the Final Phase via surface irrigation of 30 acres (Interim Phase) and 60 acres (Final Phase) of non-public access land. The permittee shall provide at least 46 days of effluent storage or 28 acre-feet of storage for treated effluent during periods of rainfall or saturated soil conditions. Application rates to the irrigated land shall not exceed 3.73 acre-feet per year per acre irrigated. The irrigated crops include Bermuda grass, alfalfa, and other ground cover.

Location: The wastewater treatment facility and disposal site are located approximately 4,300 feet southeast of the intersection of U.S. Highway 277 and State Highway 131, near the City of Eagle Pass, Maverick County, Texas 78852. (See Attachment A.)

Drainage Area: The wastewater treatment facility and disposal site are located in the drainage basin of Rio Grande Below Amistad Reservoir in Segment No. 2304 of the Rio Grande. No discharge of pollutants into water in the state is authorized by this permit.

This permit and the authorization contained herein shall expire at midnight, **ten years from the date of issuance**.

ISSUED DATE:

_____
For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Conditions of the Permit: No discharge of pollutants into water in the state is authorized.

A. Effluent Limitations

Character: Treated Domestic Sewage Effluent

Volume: Daily Average Flow – 0.10 MGD from the treatment system (Interim Phase)
Daily Average Flow – 0.20 MGD from the treatment system (Final Phase)

Quality: The following effluent limitations are required:

	Effluent Concentrations (Not to Exceed)	
Parameter	Daily Average mg/l	Single Grab mg/l
Biochemical Oxygen Demand (5-day)	N/A	100

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units.

B. Monitoring Requirements:

Parameter	Monitoring Frequency	Sample Type
Flow (Interim)	Five/week	Instantaneous
(Final)	Continuous	Totalizing Meter
Biochemical Oxygen Demand (5-day)	One/month	Grab
pH	One/month	Grab

The monitoring shall be done after the final treatment unit and prior to storage of the treated effluent. If the effluent is land applied directly from the treatment system, monitoring shall be done after the final treatment unit and prior to land application. These records shall be maintained on a monthly basis and be available at the plant site for inspection by authorized representatives of the Commission for at least three years.

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 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 (b).

   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 and/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. The term "biosolids" is defined as sewage sludge that has been tested or processed to meet Class A, Class AB, or Class B pathogen standards in 30 TAC Chapter 312 for beneficial use.

7. 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 or biosolids 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/or 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. Except as allowed by 30 TAC § 305.132, 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 and/or 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 and Reporting 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(14)) 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 or biosolids 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 and/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, and/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 and/or upgrading of the domestic wastewater treatment and/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 and/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 judgement 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 219) 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 Corrective Action 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;
        ii. Volume of waste disposed of on-site or shipped off-site;

iii. Date(s) of disposal;
iv. Identity of hauler or transporter;
v. Location of disposal site; and
vi. 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 06/2020

SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge or biosolids only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge. **The disposal of sludge or biosolids by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of Class A or Class AB Biosolids. This provision does not authorize the permittee to land apply biosolids on property owned, leased or under the direct control of the permittee.**

SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge or biosolids.

2. In all cases, if the person (permit holder) who prepares the sewage sludge or biosolids supplies the sewage sludge or biosolids to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge or biosolids to assure compliance with these regulations.

3. The land application of processed or unprocessed chemical toilet waste, grease trap waste, grit trap waste, milk solids, or similar non-hazardous municipal or industrial solid wastes, or any of the wastes listed in this provision combined with biosolids, WTP residuals or domestic septage is prohibited unless the grease trap waste is added at a fats, oil and grease (FOG) receiving facility as part of an anaerobic digestion process.

B. Testing Requirements

1. Sewage sludge or biosolids shall be tested prior to sludge disposal in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC

Region 16) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 16) and the Enforcement Division (MC 224).

2. Biosolids shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C. of this permit.

TABLE 1

Pollutant	Ceiling Concentration (Milligrams per kilogram)*
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B biosolids pathogen requirements.

a. For sewage sludge to be classified as Class A biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge must be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(3)(A) for specific information;

Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion; or

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

b. For sewage sludge to be classified as Class AB biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%; or

Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information; or

Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

c. Sewage sludge that meets the requirements of Class AB biosolids may be classified a Class A biosolids if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that

the variance may potentially endanger human health or the environment, or create nuisance odor conditions.

d. Three alternatives are available to demonstrate compliance with Class B biosolids criteria.

Alternative 1

i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.

ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;

iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and

v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;

iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and

v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition to the Alternatives 1 – 3, the following site restrictions must be met if Class B biosolids are land applied:

i. Food crops with harvested parts that touch the biosolids /soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.

ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain the land surface for 4 months or longer prior to incorporation into the soil.

iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of biosolids when the biosolids remain on the land surface for less than 4 months prior to incorporation into the soil.

iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of biosolids.

v. Domestic livestock shall not be allowed to graze on the land for 30 days after application of biosolids.

vi. Turf grown on land where biosolids are applied shall not be harvested for 1 year after application of the biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn.

vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of biosolids.

viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of biosolids.

ix. Land application of biosolids shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.

4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.

Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.

Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.

Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.

Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.

Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.

Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

i. Sewage sludge shall be injected below the surface of the land.

ii. No significant amount of the sewage sludge shall be present on the land surface within one hour after the sewage sludge is injected.

iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the biosolids shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10-

i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.

ii. When biosolids that are incorporated into the soil is Class A or Class AB with respect to pathogens, the sewage sludge shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test	- prior to sludge disposal
PCBs	- prior to sludge disposal

All metal constituents and fecal coliform or *Salmonella* sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

Amount of biosolids (*) metric tons per 365-day period	Monitoring Frequency
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter

1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(*) *The amount of bulk biosolids applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, sewage sludge or biosolids for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B BIOSOLIDS PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

A. Pollutant Limits

Table 2

Pollutant	Cumulative Pollutant Loading Rate (pounds per acre)*
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

Pollutant	Monthly Average Concentration (milligrams per kilogram)*
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

*Dry weight basis

B. Pathogen Control

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B biosolids pathogen reduction requirements as defined above in Section I.B.3.

C. Management Practices

1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge or biosolids enters a wetland or other waters in the State.

2. Bulk sewage sludge not meeting Class A biosolids requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.

3. Bulk biosolids shall be applied at or below the agronomic rate of the cover crop.

4. An information sheet shall be provided to the person who receives bulk Class A or AB biosolids sold or given away. The information sheet shall contain the following information:

    a. The name and address of the person who prepared the Class A or AB biosolids that are sold or given away in a bag or other container for application to the land.

    b. A statement that application of the Class A or AB biosolids to the land is prohibited except in accordance with the instruction on the label or information sheet.

    c. The annual whole sludge application rate for the sewage sludge application rate for the biosolids that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

D. Notification Requirements

1. If bulk biosolids are applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk biosolids are proposed to be applied. The notice shall include:

    a. The location, by street address, and specific latitude and longitude, of each land application site.

    b. The approximate time period bulk biosolids will be applied to the site.

    c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk biosolids.

2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the biosolids disposal practice.

E. Record Keeping Requirements

The documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a biosolids material shall develop the following information and shall retain the information at the

facility site and/or shall be readily available for review by a TCEQ representative for a period of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.

2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B biosolids, if applicable).

3. A description of how the vector attraction reduction requirements are met.

4. A description of how the management practices listed above in Section II.C are being met.

5. The following certification statement:

   "I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk biosolids are applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment."

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk biosolids shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:

   a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee's specific sludge or biosolids treatment activities.

   b. The location, by street address, and specific latitude and longitude, of each site on which sludge or biosolids are applied.

   c. The number of acres in each site on which bulk sludge or biosolids are applied.

   d. The date and time sludge or biosolids are applied to each site.

   e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.

f. The total amount of sludge applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

F. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 16) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.

4. The frequency of monitoring listed in Section I.C. that applies to the permittee.

5. Toxicity Characteristic Leaching Procedure (TCLP) results.

6. PCB concentration in sludge or biosolids in mg/kg.

7. Identity of hauler(s) and TCEQ transporter number.

8. Date(s) of transport.

9. Texas Commission on Environmental Quality registration number, if applicable.

10. Amount of sludge or biosolids disposal dry weight (lbs/acre) at each disposal site.

11. The concentration (mg/kg) in the sludge or biosolids of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.

12. Level of pathogen reduction achieved (Class A, Class AB or Class B).

13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B biosolids, include information on how site restrictions were met.

14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

15. Vector attraction reduction alternative used as listed in Section I.B.4.

16. Amount of sludge or biosolids transported in dry tons/year.

17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge or biosolids treatment activities, shall be attached to the annual reporting form.

18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.

    a. The location, by street address, and specific latitude and longitude.

    b. The number of acres in each site on which bulk biosolids are applied.

    c. The date and time bulk biosolids are applied to each site.

    d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk biosolids applied to each site.

    e. The amount of biosolids (i.e., dry tons) applied to each site.

    The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL

A. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge or biosolids meet the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.

B. If the permittee generates sewage sludge or biosolids and supplies that sewage sludge or biosolids to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.

C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge or biosolids disposal practice.

D. Sewage sludge or biosolids shall be tested prior to sludge disposal in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

   Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 16) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

   The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 16) and the Enforcement Division (MC 224), by September 30$_{th}$ of each year.

E. Sewage sludge or biosolids shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 330.

F. Record Keeping Requirements

   The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.

2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

G. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 16) and the Enforcement Division (MC224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. Toxicity Characteristic Leaching Procedure (TCLP) results.

3. Annual sludge or biosolids production in dry tons/year.

4. Amount of sludge or biosolids disposed in a municipal solid waste landfill in dry tons/year.

5. Amount of sludge or biosolids transported interstate in dry tons/year.

6. A certification that the sewage sludge or biosolids meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.

7. Identity of hauler(s) and transporter registration number.

8. Owner of disposal site(s).

9. Location of disposal site(s).

10. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION IV. REQUIREMENTS APPLYING TO SLUDGE OR BIOSOLIDS TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING

These provisions apply to sludge or biosolids that is transported to another wastewater treatment facility or facility that further processes sludge or biosolids. These provisions are intended to allow transport of sludge or biosolids to facilities that have been authorized to accept sludge or biosolids. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge or biosolids, nor do they limit the ability of the receiving facility to request additional testing or documentation.

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.

2. Sludge or biosolids may only be transported using a registered transporter or using an approved pipeline.

B. Record Keeping Requirements

1. For sludge or biosolids transported by an approved pipeline, the permittee must maintain records of the following:

   a. the amount of sludge or biosolids transported;

   b. the date of transport;

   c. the name and TCEQ permit number of the receiving facility or facilities;

   d. the location of the receiving facility or facilities;

   e. the name and TCEQ permit number of the facility that generated the waste; and

   f. copy of the written agreement between the permittee and the receiving facility to accept sludge or biosolids.

2. For sludge or biosolids transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge or biosolids transported.

3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

C. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 16) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. the annual sludge or biosolids production;

3. the amount of sludge or biosolids transported;

4. the owner of each receiving facility;

5. the location of each receiving facility; and

6. the date(s) of disposal at each receiving facility.

SPECIAL PROVISIONS:

1. This permit is granted subject to the policy of the Commission to encourage the development of areawide waste collection, treatment and disposal systems. The Commission reserves the right to amend this permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an areawide system, if an areawide system is developed; to require the delivery of the wastes authorized to be collected in, treated by, or discharged from the system, to an areawide 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.

2. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC § 30, Occupational Licenses and Registrations and in particular 30 TAC§ 30, Subchapter J, Wastewater Operators and Operations Companies.

   This Category D facility must be operated by a chief operator or an operator holding a Class D license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift which does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

3. The permittee shall maintain and operate the treatment facility in order to achieve optimum efficiency of treatment capability. This shall include required monitoring of effluent flow and quality as well as appropriate grounds and building maintenance.

4. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.

5. The permittee shall comply with the requirements of 30 TAC Section 309.13 (a) through (d). In addition, by ownership of the required buffer zone area, the permittee shall comply with the requirements of 30 TAC Section 309.13(e).

6. The permittee shall maintain Bermuda grass, alfalfa, and other ground cover on the disposal site. Application rates to the irrigated land shall not exceed 3.73 acre-feet per year per acre irrigated. The permittee is responsible for providing equipment to determine application rates and maintaining accurate records of the volume of effluent applied. These records shall be made available for review by the TCEQ and shall be maintained for at least three years.

7. Irrigation practices shall be designed and managed so as to prevent ponding of effluent or contamination of ground and surface waters and to prevent the occurrence of nuisance

conditions in the area. To promote effluent and nutrient uptake by the crop, and to prevent pathways for effluent surfacing, the Bermuda grass, alfalfa, and other ground cover shall be established and well maintained in the irrigation area throughout the year. Tailwater control facilities shall be provided as necessary to prevent the discharge of any effluent from the irrigated land.

8. Effluent shall not be applied for irrigation during rainfall events or when the ground is frozen or saturated.

9. For any area where treated effluent is stored or where there exist hose bibs or faucets, the permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply. 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 signs.

10. Spray fixtures for the irrigation system shall be of such design that they cannot be operated by unauthorized personnel.

11. Irrigation with effluent shall be accomplished only when the area specified is not in use.

12. The permittee shall provide and maintain a fence around the irrigation area that will prevent public access.

13. The permittee shall follow the Annual Cropping Plan. The physical condition of the spray irrigation fields will be monitored on a weekly basis when the fields are being utilized for the purpose of wastewater irrigation. Any areas with problems such as surface runoff, surficial erosion, stressed or damaged vegetation will be recorded in the field log kept onsite and corrective measures will be initiated within 24 hours of discovery. The permittee will also maintain the annual vegetative cover system that will use wastewater nutrients throughout the year and address any problems within 24 hours of discovery.

14. The permittee shall obtain representative soil samples from the root zones of the land application area receiving wastewater. Composite sampling techniques shall be used. Each composite sample shall represent no more than 30 acres in the Interim Phase and no more than 60 acres in the Final Phase, with no less than 10 to 15 subsamples representing each composite sample. Subsamples shall be composited by like sampling depth and soil type for analysis and reporting. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 inches to 18 inches and 18 inches to 30 inches below ground level. The permittee shall sample and analyze soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.

    The permittee shall provide annual soil analyses of the land application area according to the following table:

Parameter	Method	Minimum Analytical Level (MAL)	Reporting units
pH	2:1 (v/v) water to soil mixture		Reported to 0.1 pH units after

			calibration of pH meter
Electrical Conductivity	Obtained from the SAR water saturated paste extract	0.01	dS/m (same as mmho/cm)
Nitrate-nitrogen	From a 1 N KCl soil extract	1	mg/kg (dry weight basis)
Total Kjeldahl Nitrogen (TKN)	For determination of Organic plus Ammonium Nitrogen. Procedures that use Mercury (Hg) are not acceptable.	20	mg/kg (dry weight basis)
Total Nitrogen	= TKN + nitrate-nitrogen (same as, organic-nitrogen + ammonium-nitrogen + nitrate-nitrogen)		mg/kg (dry weight basis)
Plant-available: Phosphorus (P)	Mehlich III with inductively coupled plasma	1	mg/kg (dry weight basis)
Plant-available: Potassium (K) Calcium (Ca) Magnesium (Mg) Sodium (Na) Sulfur (S)	May be determined in the same Mehlich III extract with inductively coupled plasma	5 (K) 10 (Ca) 5 (Mg) 10 (Na) 1 (S)	mg/kg (dry weight basis)
Water-soluble: Sodium (Na) Calcium (Ca) Magnesium (Mg)	Obtained from the SAR water saturated paste extract	1 (Na) 1 (Ca) 1 (Mg)	Water soluble constituents are *reported* in mg/L
Sodium Adsorption Ratio (SAR)	$SAR = \frac{Na}{\sqrt{\frac{(Ca + Mg)}{2}}}$		*Express concentrations* of Na, Ca and Mg in the water saturated paste extract in milliequivalents/liter (meq/L) to calculate the SAR. The SAR value is unit less. If the SAR is greater than 10, amendments (e.g., gypsum) shall be added to the soil to adjust the SAR to less than 10.
Amendment addition, e.g., gypsum			Report in *short tons/acre* in the year effected

The permittee shall provide a copy of this plan to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the TCEQ Regional Office (MC Region 16) and the Enforcement Division (MC 224) no later than the end of September following the sampling date of each year. If wastewater is not applied in a particular year, the permittee shall notify the same TCEQ offices and indicate that wastewater has not been applied on the approved land disposal sites during that year.

15. The permittee shall use cultural practices to promote and maintain the health and propagation of the Bermuda grass, alfalfa, and native grasses and avoid plant lodging. The permittee shall harvest the crops (cut and remove it from the field) at least one time during the year. Harvesting and mowing dates shall be recorded in a log book kept on site to be made available to TCEQ personnel upon request.

16. Holding or storage ponds shall conform to the design criteria for stabilization ponds with regard to construction and levee design and shall maintain a minimum freeboard of two feet according to 30 TAC§ 217, Design Criteria for Domestic Wastewater Systems.

17. Permanent transmission lines shall be installed from the holding pond to each tract of land to be irrigated utilizing effluent from that pond.

18. For the Interim Phase, existing facilities for the retention or storage of treated or untreated wastewater shall be adequately lined to control seepage. The following methods of pond lining are acceptable:

    a. In-situ clay soils or placed and compacted clay soils meeting the following requirements:

        1. More than 30% passing a No. 200 mesh sieve
        2. Liquid limit greater than 30%
        3. Plasticity index greater than 15%
        4. A minimum thickness of 2 feet

    b. Membrane lining with a minimum thickness of 20 mils, and an underdrain leak detection system.

    c. An alternate method of pond lining may be utilized with prior approval from the Executive Director.

    A certification by a Texas Licensed Professional Engineer that the completed pond lining meets the appropriate criteria above shall be maintained. The certification shall be kept on file and made available for viewing upon request by the TCEQ Regional Office (MC Region 16**),**-the Enforcement Division (MC 224), and the Water Quality Assessment Team of the Water Quality Division (MC 150).

19. Any new or modified wastewater pond shall be adequately lined to control seepage in accordance with 30 TAC §217.203. The Permittee shall submit the liner certification for a newly-constructed or modified wastewater pond to the Water Quality Assessment Team (MC-150), the TCEQ Regional Office (MC-Region 16), and the TCEQ Enforcement Division (MC-224) within 30 days of completion and prior to use. The certification shall be signed and sealed by a Texas-licensed professional engineer and include a description of how the liner

meets the requirements of 30 TAC §217.203.

20. The existing wastewater ponds shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.

21. Facilities for the retention of treated or untreated wastewater shall be adequately managed and lined to control seepage. At least once per month, the Permittee shall inspect the sides and bottom (if visible) of all wastewater ponds for signs of damage and leakage, and any pond leak detection systems that are in service. Leaking ponds shall be removed from service, or operated in a manner to prevent discharge, until repairs are made or replacement ponds are constructed. A record of the monthly inspections shall be maintained in a field log and kept onsite for TCEQ inspection.

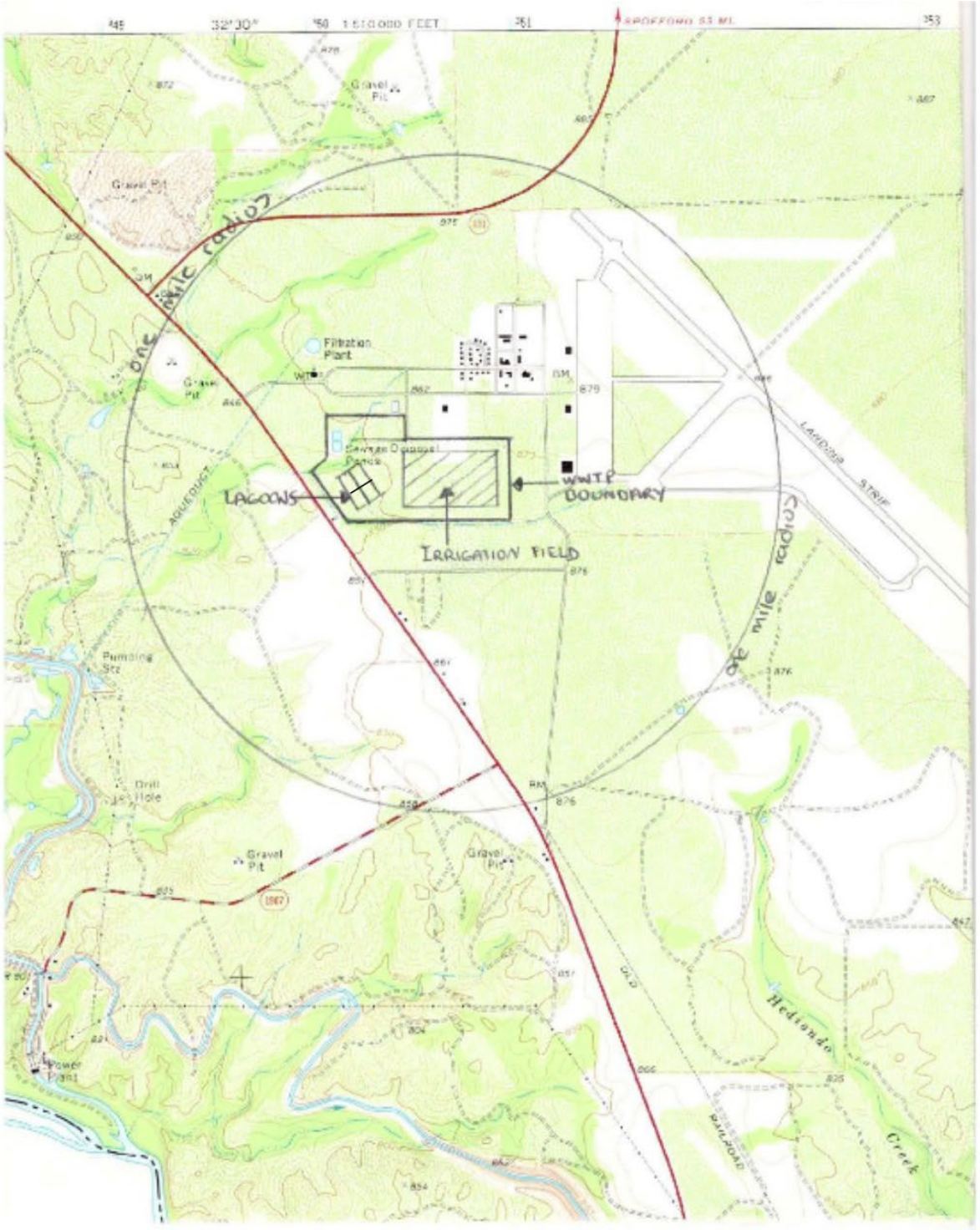
22. Pond liner certifications and all liner construction and repair documentation shall be maintained by the Permittee for the life of the facility and be made available for TCEQ personnel for inspection and review.

23. The permittee shall comply with buffer zone requirements of 30 TAC §309.13(c). A wastewater treatment plant unit, defined by 30 TAC Section §309.11(9), must be located a minimum horizontal distance of 250 feet from a private well and a minimum horizontal distance of 500 feet from a public water well site, spring, or other similar sources of public drinking water, as provided by §290.41(c)(1)(C) of this title.

24. The permittee shall comply with the buffer zone requirements of 30 TAC §309.13(c), specifically regarding water wells and waters in the state. The permittee must locate the wastewater irrigation fields a minimum horizontal distance of 500 feet from public water wells, springs, or other similar sources of public drinking water and 150 feet from private water wells.

Attachment A – Site Map
TCEQ Permit No. WQ0013716001
Maverick County

Attachment A – Site Map
TCEQ Permit No. WQ0013716001
Maverick County



TECHNICAL SUMMARY AND
EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

DESCRIPTION OF APPLICATION

Applicant:	Maverick County TCEQ Permit No. WQ0013716001
Regulated Activity:	Domestic Wastewater Permit
Type of Application:	Renewal
Request:	Renewal with no changes
Authority:	Texas Water Code (TWC) § 26.027; 30 Texas Administrative Code (TAC) Chapters 305, 309, 312, 319, and 30; and Commission policies.

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 includes an expiration date of **ten years from the date of issuance,** according to 30 TAC Section 305.127(1)(C)(ii)(III), Conditions to be Determined for Individual Permits.

REASON FOR PROJECT PROPOSED

Maverick County has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Permit No. WQ0013716001 to authorize the disposal of treated domestic wastewater at a daily average flow not exceeding to 0.10 million gallons per day (MGD) in the Interim Phase and 0.20 MGD in the Final Phase via surface irrigation of 30 acres (Interim Phase) and 60 acres (Final Phase) of non-public access land. The permittee shall provide at least 46 days of effluent storage or 28 acre-feet of storage for treated effluent during periods of rainfall or saturated soil conditions. The existing wastewater treatment facility serves the Maverick County Memorial International Airport, approximately 40 households, several business establishments near the airport, and a detention facility built on the County property.

PROJECT DESCRIPTION AND LOCATION

The Radar Base Wastewater Treatment Plant Wastewater Treatment Facility consists of a pond system. Treatment units include one facultative lagoon, and two stabalization pond. The Final Phase will consist of a parallel system and the units will be duplicate of the Interim Phase. The facility is in operation.

The facility is a pond system and sludge from the ponds has not been removed for sludge disposal to date. The draft permit authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

The wastewater treatment facility and disposal site are located approximately 4,300 feet

southeast of the intersection of U.S. Highway 277 and State Highway 131, near the City of Eagle Pass, Maverick County, Texas 78852.

The wastewater treatment facility and disposal site are located in the drainage basin of Rio Grande in Segment No. 2304 of the Rio Grande. No discharge of pollutants into water in the state is authorized by this permit.

SUMMARY OF EFFLUENT DATA

There is no effluent data since the facility has not land applied.

DRAFT PERMIT CONDITIONS

The draft permit authorizes the disposal of treated domestic wastewater effluent at a daily average flow not exceeding to 0.10 million gallons per day (MGD) in the Interim Phase and 0.20 MGD in the Final Phase via surface irrigation of 30 acres (Interim Phase) and 60 acres (Final Phase) of non-public access land. The permittee shall provide at least 46 days of effluent storage or 28 acre-feet of storage for treated effluent during periods of rainfall or saturated soil conditions. Application rates to the irrigated land shall not exceed 3.73 acre-feet per year per acre irrigated. The permittee will maintain Coastal Bermuda Grass, alfalfa and other ground cover on the disposal site.

The effluent limitation in the draft permit, based on a single grab, is 100 mg/l biochemical oxygen demand (BOD_5).

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. The facility is a pond system and sludge from the ponds has not been removed for sludge disposal to date. The draft permit authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

SUMMARY OF CHANGES FROM APPLICATION

None.

SUMMARY OF CHANGES FROM EXISTING PERMIT

Effluent limitations and monitoring requirements in the draft permit remain the same as the existing permit effluent limitations and monitoring requirements

The Sludge Provisions, Special Provisions, and Standard Provisions have been revised in the draft permit.

Special Provisions (S.P.) Nos. 19, 20, 21, 22, 23, and 24 have been added to the draft permit.

S.P. Nos. 7, 9, 13, 14, 15, and 18 of the existing permit has been revised in the draft permit.

Certain accidental discharges or spills of treated or untreated wastewater from wastewater treatment facilities or collection systems owned or operated by a local government may be

reported on a monthly basis in accordance with 30 TAC § 305.132.

The draft permit includes all updates based on the 30 TAC 312 rule change effective April 23, 2020.

Flow measurement and Sample Type has been updated for the Final phase to require Continuous and Totalizing Meter per 30 TAC Chapter 217.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on April 10,2025, and additional information received on May 13, 2025 and May 14, 2025.

2. Existing TCEQ permit: Permit No. WQ0013716001 issued on September 22, 2015.

3. Interoffice Memorandum from the Water Quality Assessment Team, Water Quality Assessment & Standards Section, Water Quality Division.

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 review 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.

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 Sahil Hudda at (512) 239-4748.

Sahil Hudda — May 16,2025

Sahil Hudda
Municipal Permits Team
Wastewater Permitting Section (MC 148)

Date

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Maverick County

PERMIT NUMBER (If new, leave blank): WQ00WQ0013716001

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 100882

Check/Money Order Amount: 815.00

Name Printed on Check: Maverick County

EPAY Voucher Number: N/A

Copy of Payment Voucher enclosed? Yes ☒

Section 2. Type of Application (Instructions Page 26)

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

☒ Publicly Owned Domestic Wastewater

☐ Privately-Owned Domestic Wastewater

☐ Conventional Water Treatment

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

☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: Click to enter text.

f. For existing permits:

Permit Number: WQ00 WQ0013716001

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

Expiration Date: September 15, 2025

Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 26)

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

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

Maverick County

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

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

CN: 600640015

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

Prefix: Judge

Last Name, First Name: Ramsey English Cantu

Title: County Judge

Credential: N/A

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

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

N/A

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

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

CN: N/A

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

Prefix: N/A Last Name, First Name: N/A

Title: N/A Credential: N/A

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. Attachment 2

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Miss Last Name, First Name: Natalia Rodriguez

Title: Consultant Credential: Click to enter text.

Organization Name: ECG

Mailing Address: 921 E 800 S City, State, Zip Code: Salt Lake City

Phone No.: 832-776-5393 E-mail Address: natalia@environmentalcgroup.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Ernie Hernandez

Title: County Water Works Operator Credential: n/a

Organization Name: Maverick County

Mailing Address: 500 Quarry Street Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-352-4281 E-mail Address: ehdz68@yahoo.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

A. Prefix: Mr. Last Name, First Name: Ernie Hernandez

Title: County Water Works Operator Credential: Click to enter text.

Organization Name: Maverick County

Mailing Address: 500 Quarry Street Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-352-4281 E-mail Address: ehdz68@yahoo.com

B. Prefix: Mr. Last Name, First Name: Jesse Parra

Title: County Water Works Credential: Click to enter text.

Organization Name: Maverick County

Mailing Address: 500 Quarry Street Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-352-4281 E-mail Address: jesseparra14@gmail.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mrs. Last Name, First Name: Jessica Gonzalez

Title: Administrative Assistant Credential: Click to enter text.

Organization Name: Maverick County

Mailing Address: 500 Quarry Street Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-773-1716 E-mail Address: jessica.gonzalez@co.maverick.tx.us

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

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

Prefix: Mr. Last Name, First Name: Ernie Hernandez

Title: County Water Works Operator Credential: Click to enter text.

Organization Name: Maverick County

Mailing Address: 500 Quarry Street Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-773-4747 E-mail Address: waterplantoperator@co.maverick.tx.us

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Miss. Last Name, First Name: Natalia Rodriguez

Title: Consultant Credential: Click to enter text.

Organization Name: ECG

Mailing Address: 921 E 800 S City, State, Zip Code: Salt Lake City, UT 84102

Phone No.: 832-776-5393 E-mail Address: natalia@environmentalCgroup.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Ernie Hernandez

Title: County Water Works operator Credential: Click to enter text.

Organization Name: Maverick County

Mailing Address: 500 Quarry Street Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-773-4747 E-mail Address: ehdz68@yahoo.com

D. Public Viewing Information

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

Public building name: County Courthouse, County Judge's Office

Location within the building: Jessica Parra desk

Physical Address of Building: 500 Quarry Street, Suite 3

City: Eagle Pass County: Maverick

Contact (Last Name, First Name): Jessica Parra

Phone No.: 830-773-1716 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

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

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

   ☒ Yes ☐ No

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

   ☒ Yes ☐ No

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

   ☒ Yes ☐ No

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

F. Summary of Application in Plain Language Template

Complete the F. Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS, and include as an attachment.

Attachment: Attachment 3

G. Public Involvement Plan Form

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

Attachment: N/A

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** 101607224

Search the TCEQ's Central Registry at http://www15.tceq.texas.gov/crpub/ to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

Radar Base Wastewater Treatment Plant

C. Owner of treatment facility: Maverick County

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

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

Prefix: n/a Last Name, First Name: n/a

Title: n/a Credential: n/a

Organization Name: Maverick County

Mailing Address: 500 Quarry Street, Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-773-1716 E-mail Address: jessica.gonzalez@co.maverick.tx.us

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

Attachment: n/a

E. Owner of effluent disposal site:

Prefix: n/a Last Name, First Name: n/a

Title: n/a Credential: n/a

Organization Name: Maverick County

Mailing Address: 500 Quarry Street, Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-773-1716 E-mail Address: jessica.gonzalez@co.maverick.tx.us

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

Attachment: n/a

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

Prefix: n/a Last Name, First Name: n/a

Title: n/a Credential: n/a

Organization Name: n/a

Mailing Address: n/a City, State, Zip Code: n./

Phone No.: n/a E-mail Address: n/a

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

Attachment: n/a

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☐ Yes ☐ No

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

Click to enter text.

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

☐ Yes ☐ No

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

Click to enter text.

City nearest the outfall(s): Click to enter text.

County in which the outfalls(s) is/are located: Click to enter text.

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

☐ Yes ☐ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: Click to enter text.

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☒ Yes ☐ No

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

N/A

B. City nearest the disposal site: Eagle Pass

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

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

Wastewater flows from the treatment plant's stabilization ponds through 12-inch pipe to storage lagoon. The treated effluent is pumped from storage lagoon to land irrigation area using vertical turbine submersible pump to irrigation distribution system.

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Unnamed tributary and thence to the Rio Grande

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

Click to enter text.

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: Click to enter text.

Amount past due: Click to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: Click to enter text.

Amount past due: Click to enter text.

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

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

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0013716001

Applicant: Maverick County

Certification:

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

RECEIVED
MAR 13 2025
AUDITOR'S OFFICE

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): Judge Ramsey English Cantu

Signatory title: Maverick County Judge

Signature: _____ Date: March 13, 2025

(Use blue ink)

Subscribed and Sworn to before me by the said RAMSEY ENGISH CANTU

on this 13 day of MARCH, 2025.

My commission expires on the 02 day of AUGUST, 2025.

Romero

Notary Public

GUILLERMINA ROMERO
Notary Public, State of Texas
Comm. Expires 08-02-2025
Notary ID 133245353

[SEAL]

MAVERICK

County, Texas

Approved by

MAR 14 2025

Commissioners Court

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

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

Section 1. Permitted or Proposed Flows (Instructions Page 42)

A. Existing/Interim I Phase

Design Flow (MGD): 0.010

2-Hr Peak Flow (MGD): 0.035

Estimated construction start date: n/a

Estimated waste disposal start date: n/a

B. Interim II Phase

Design Flow (MGD): 0.10

2-Hr Peak Flow (MGD): 0.25

Estimated construction start date: n/a

Estimated waste disposal start date: n/a

C. Final Phase

Design Flow (MGD): 0.2

2-Hr Peak Flow (MGD): 0.7

Estimated construction start date: n/a

Estimated waste disposal start date: n/

D. Current Operating Phase

Provide the startup date of the facility: Intermit II - 2008

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided**.

WW from collection system flows into lift station, and the effluent is pimped to the facultative lagoon as primary solid removal and sludge accumulation/storage. The wastewater gravity flows into to two stabilization ponds to provide aeration. The treated wastewater gravity flows to storage lagoon before being pumped to land irrigation field.

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Facultative Lagoon	1	490'x175'x6'
Stabilization Pond	2	490'x175'x6'
Storage Lagoon	1	520'x200'x6
Irrigation Field	1	30 Acres

C. Process Flow Diagram

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

Attachment: Attachment 6

Section 3. Site Information and Drawing (Instructions Page 43)

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

- Latitude: Click to enter text.
- Longitude: Click to enter text.

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: 28.855875,
- Longitude: -100.531182

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: Attachment 7
Provide the name **and** a description of the area served by the treatment facility.

The Maverick County Memorial International Airport. it serves approximately 40 households, several business establishments near the airport, and detention facility built on the County property.

Collection System Information **for wastewater TPDES permits only**: Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
		Choose an item.	
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 5. Closure Plans (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 6. Permit Specific Requirements (Instructions Page 44)

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

A. Summary transmittal

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

☒ Yes ☐ No

If yes, provide the date(s) of approval for each phase: 2008

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

Click to enter text.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

Click to enter text.

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

Click to enter text.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

Click to enter text.

3. Grit disposal

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

Click to enter text.

4. *Grease and decanted liquid disposal*

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

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

Click to enter text.

E. Stormwater management

1. *Applicability*

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☐ Yes ☐ No

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

TXR05 Click to enter text. or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

Click to enter text.

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

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

☐ Yes ☐ No

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

Click to enter text.

5. ***Zero stormwater discharge***

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

☐ Yes ☐ No

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

Click to enter text.

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

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

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

☐ Yes ☐ No

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

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

Click to enter text.

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. *Acceptance of sludge from other WWTPs*

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

☐ Yes ☒ No

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

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

Click to enter text.

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

2. *Acceptance of septic waste*

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 49)

Is the facility in operation?

☒ Yes ☐ No

If no, this section is not applicable. Proceed to Section 8.

If yes, provide effluent analysis data for the listed pollutants. ***Wastewater treatment facilities*** complete Table 1.0(2). **W*ater treatment facilities*** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/cm, †					
Oil & Grease, mg/l					
Alkalinity ($CaCO_3$)*, mg/l					

*TPDES permits only
†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity ($CaCO_3$), mg/l					

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: ERNIE HERNANDEZ

Facility Operator's License Classification and Level: Class D

Facility Operator's License Number: WW0016497

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 50)

A. WWTP's Sewage Sludge or Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☐ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: Click to enter text.

C. Sewage Sludge or Biosolids Management

Provide information on the *intended* sewage sludge or biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the

permit will authorize all sewage sludge or biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Click to enter text.

D. Disposal site

Disposal site name: There is no sludge being generated.

TCEQ permit or registration number: N/A

County where disposal site is located: N/A

E. Transportation method

Method of transportation (truck, train, pipe, other): There is no sludge being generated

Name of the hauler: N/A

Hauler registration number: N/A

Sludge is transported as a:

Liquid ☐ semi-liquid ☐ semi-solid ☐ solid ☐

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 52)

A. Beneficial use authorization

Does the existing permit include authorization for land application of biosolids for beneficial use?

☐ Yes ☒ No

If yes, are you requesting to continue this authorization to land apply biosolids for beneficial use?

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

Sludge Composting	☐ Yes	☒ No
Marketing and Distribution of Biosolids	☐ Yes	☒ No
Sludge Surface Disposal or Sludge Monofill	☐ Yes	☒ No
Temporary storage in sludge lagoons	☐ Yes	☒ No

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: Click to enter text.
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click to enter text.
- Federal Emergency Management Map:

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: Click to enter text.

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

Click to enter text.

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: Click to enter text.

Total Kjeldahl Nitrogen, mg/kg: Click to enter text.

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

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

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

  Attachment: Click to enter text.
- Copy of the closure plan

  Attachment: Click to enter text.
- Copy of deed recordation for the site

  Attachment: Click to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click to enter text.
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: Click to enter text.
- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: Click to enter text.

Section 12. Authorizations/Compliance/Enforcement (Instructions

Page 54)

A. Additional authorizations

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

☐ Yes ☒ No

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

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Click to enter text.

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: Click to enter text.

Section 14. Laboratory Accreditation (Instructions Page 55)

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: Natalia Rodriguez

Title: Consultant

Signature: _____

Date: 4/9/25_____

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

Section 1. Type of Disposal System (Instructions Page 67)

Identify the method of land disposal:

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

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

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

Section 2. Land Application Site(s) (Instructions Page 67)

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

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
Coastal Bermuda grass, alfalfa and other ground cover (interim phase)	30	100,000	N
Coastal Bermuda grass, alfalfa and other ground cover (final phase)	60	200,000	N

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 67)

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
1	2.38	14	500'X200'X6'	2' Compacted clay
2	2.38	14	500'X200'X6'	2' Compacted clay

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

Attachment:

Section 4. Flood and Runoff Protection (Instructions Page 67)

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

☐ Yes ☒ No

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

Click to enter text.

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

FEMA Map #480470-0007-A

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

Interceptor swales are installed in the upland areas to capture run-on and divert storm water around the irrigation area. Tailwater control berms will be installed at down gradient area to capture over irrigated water and control runoff of irrigated effluent during rain event.

Section 5. Annual Cropping Plan (Instructions Page 67)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment**: Attachment 8

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

Section 6. Well and Map Information (Instructions Page 68)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment**: Attachment 9

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

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

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
76-12-302	stock	UNK	Cased	Buffer zone met, water testing regularly.
76-12-301	domestic	UNK	Cased	Buffer zone met, water testing regularly.
			Choose an item.	
			Choose an item.	
			Choose an item.	

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

Attachment: attachment 10

Section 7. Groundwater Quality (Instructions Page 68)

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

Attachment: Water has not been irrigated yet. All the discharge is evaporated,

Are groundwater monitoring wells available onsite? ☐ Yes ☒ No

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

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

Attachment: Click to enter text.

Section 8. Soil Map and Soil Analyses (Instructions Page 69)

A. Soil map

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

Attachment: Attachment 11

B. Soil analyses

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

Attachment: Water has not been irrigated yet. All the discharge is evaporated,

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

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
Elindio Association	0-6	0.60-2.0	0.15-0.20	unknown
	6-18	0.60-2.0	0.15-0.20	unknown
	18-30	0.60-2.0	0.15-0.20	unknown
Jimenes association, rolling	0-9	0.15-0.20	0.05-0.10	unknown
	9-18	--	--	
	18-60	--	--	

Section 9. Effluent Monitoring Data (Instructions Page 70)

Is the facility in operation?

☒ Yes ☐ No

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

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

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
Due that	Water is	Evapora ted	There is	No	Discharge	0

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

The water is evaporated in the ponds, so therefore treated effluent is not available for monitoring.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following **is required** for **all publicly owned treatment works**.

Section 1. All POTWs (Instructions Page 87)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

Click to enter text.

C. Treatment plant pass through

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

☐ Yes ☒ No

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

Click to enter text.

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☐ No

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

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

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 87)

A. Substantial modifications

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

☐ Yes ☒ No

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

Click to enter text.

B. Non-substantial modifications

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

☐ Yes ☒ No

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

Click to enter text.

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 88)

A. General information

Company Name: n/a

SIC Code: n/a

Contact name: n/a

Address: n/a

City, State, and Zip Code: n/a

Telephone number: n/a

Email address: n/a

B. Process information

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

n/a

C. Product and service information

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

n/a

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: n/a

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: n/a

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the *i*nstructions?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories: Click to enter text.

Click or tap here to enter text. Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

Category: Click to enter text.

Subcategories: Click to enter text.

F. Industrial user interruptions

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

☐ Yes ☒ No

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

Click to enter text.

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☒ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600640015		**RN 101607224**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

Maverick County

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
	74-6000702		

11. Type of Customer:

☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☒ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees

☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☐ **Yes** ☒ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:

500 Quarry Street, Suite 3

City	Eagle Pass	**State**	TX	**ZIP**	78852	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	jessica.gonzalez@co.maverick.tx.us

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(830) 773-3824		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

RN101607224

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	approximatly 4,300 feet southeast of the intersection of U.S Highway 277 and state Highway 131							
	City	Eagle Pass	**State**	TX	**ZIP**	78852	**ZIP + 4**	
24. County	Maverick							

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

25. Description to Physical Location:	approximatly 4,300 feet southeast of the intersection of U.S Highway 277 and state Highway 131

26. Nearest City	**State**	**Nearest ZIP Code**

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

27. Latitude (N) In Decimal:	28°51'20.56"N		**28. Longitude (W) In Decimal:**	100°32'8.13"W	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
4952		22132	

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

government

34. Mailing Address:	**500 Quarry Street, Suite 3**							
	City	**Eagle Pass**	**State**	**TX**	**ZIP**	**78852**	**ZIP + 4**	

35. E-Mail Address:	**jessica.gonzalez@co.maverick.tx.us**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(830) 773-3824		( ) -

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0013716001			

SECTION IV: Preparer Information

40. Name:	Natalia Rodriguez	41. Title:	Consultant

RECEIVED
MAR 13 2025
AUDITOR'S OFFICE

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(832) 776-5393		( ) -	natalia@environmentalcgroup.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:	Maverick County	**Job Title:**	County Judge
Name *(In Print)*:	Judge Ramsey English Cantu	**Phone:**	(830) 773- **3824**
Signature:		**Date:**	March 13, 2025

Approved by
MAR 14 2025
Commissioners Court

Domestic Wastewater TLAP Renewal 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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

Land application of domestic wastewater from the facility are expected to contain five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, an equalization basin, an aeration basin, a final clarifier, an aerobic sludge digester, tertiary filters, and a chlorine contact chamber. In addition, the facility includes a temporary storage that equals to at least three days of the daily average flow.

Maverick County (600640015) operates the Radar Base Wastewater Treatment plant (RN101607224), a pond system operation. The facility is located at approximately 4,300 feet southeast of the intersection of U.S Highway 277 and state Highway 131, in Eagle Pass, Maverick County, Texas 78852. This application is for a renewal to dispose a daily average flow not to exceed 0.10 MGD in the interim phase and 0.20 MGD in the final phase of treated domestic wastewater via subsurface irrigation of non-public access land with a minimum area of 30 acres for interim phase and 60 acres for final phase. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain five-day biochemical oxygen demand (BOD_5),. Domestic water is treated by one facultative lagoon, two stabilization ponds and one storage pond in intermit phase and in final phase all units will be duplicated.

Solicitud de Renovación de Permiso TLAP para Aguas Residuales Domésticas

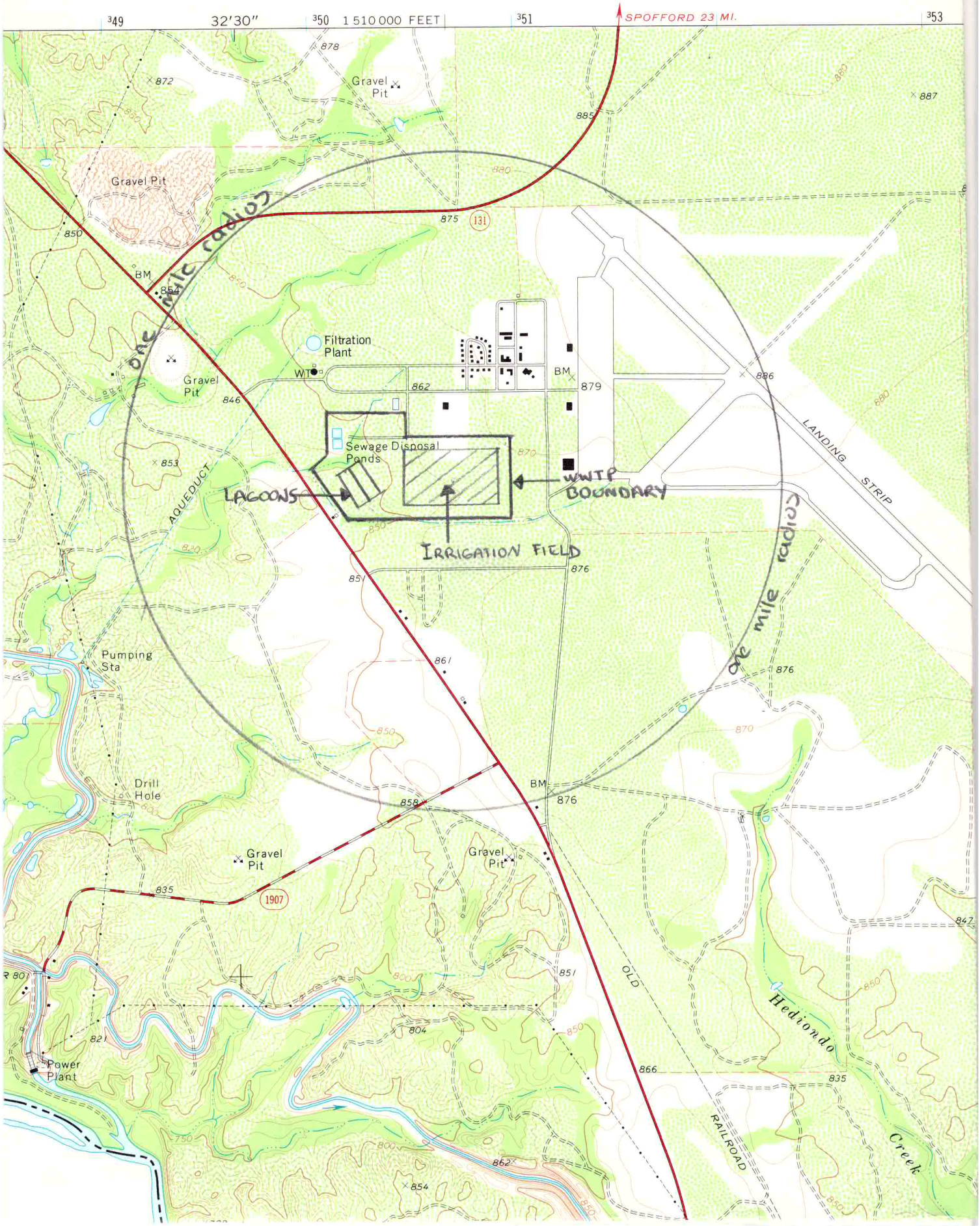
A continuación se presenta un resumen de la solicitud de permiso pendiente de calidad del agua, actualmente en revisión por parte de la Comisión de Calidad Ambiental de Texas (Texas Commission on Environmental Quality – TCEQ), conforme a lo requerido por el Capítulo 39 del Código Administrativo de Texas. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no constituye representaciones exigibles a nivel federal del contenido de la solicitud de permiso.

La aplicación en tierra de aguas residuales domésticas de esta instalación se espera que contenga demanda bioquímica de oxígeno a cinco días (DBO5), sólidos suspendidos totales (SST) y Escherichia coli. Contaminantes adicionales potenciales están incluidos en el Informe Técnico Doméstico 1.0, Sección 7. Análisis de Contaminantes del Efluente Tratado, incluido en el paquete de la solicitud del permiso. Las aguas residuales domésticas se tratan mediante un proceso de lodos activados, y las unidades de tratamiento incluyen una rejilla de barras, un tanque de igualación, un tanque de aireación, un clarificador final, un digestor aeróbico de lodos, filtros terciarios y una cámara de contacto con cloro. Además, la instalación incluye un almacenamiento temporal con capacidad para al menos tres días del flujo promedio diario.

El Condado de Maverick (600640015) opera la planta de tratamiento de aguas residuales Radar Base (RN101607224), mediante un sistema de estanques. La instalación se encuentra aproximadamente a 4,300 pies al sureste de la intersección de la autopista U.S. 277 y la carretera estatal 131, en Eagle Pass, Condado de Maverick, Texas 78852. Esta solicitud es para renovar el permiso de disposición de aguas residuales domésticas tratadas con un flujo promedio diario que no exceda 0.10 MGD en la fase intermedia y 0.20 MGD en la fase final, mediante irrigación subterránea en terrenos sin acceso público, con un área mínima de 30 acres en la fase intermedia y 60 acres en la fase final. Este permiso no autoriza la descarga de contaminantes en cuerpos de agua del estado.

Se espera que los efluentes de la instalación contengan demanda bioquímica de oxígeno a cinco días (DBO5). El tratamiento de las aguas residuales domésticas se realiza mediante una laguna facultativa, dos estanques de estabilización y un estanque de almacenamiento en la fase intermedia. En la fase final, todas las unidades serán duplicadas.

QUEMADO SE QUAD
TEXAS—MAVERICK
7.5 MINUTE SERIES (TOP
SE/4 QUEMADO 15' QUADRA



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Maverick County

   Permit No. WQ00 13716001 EPA ID No. TX Unknown

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

   approximately 4,300 feet southeast of the intersection of U.S Highway 277 and state Highway 131

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

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

First and Last Name: Ernie Hernandez

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text

Title: Operator

Mailing Address: 500 Quarry Street Suite 3

City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-352-4281 Ext.: Click here to enter text Fax No.: Click here to enter text

E-mail Address: ehdz68@yahoo.com

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

na

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

The wastewater facility and disposal site are located in the drainage of Rio Grande below Amistad Reservoir in segment No.2304 of the Rio Grande Basin

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

n/a

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

n/a

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

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

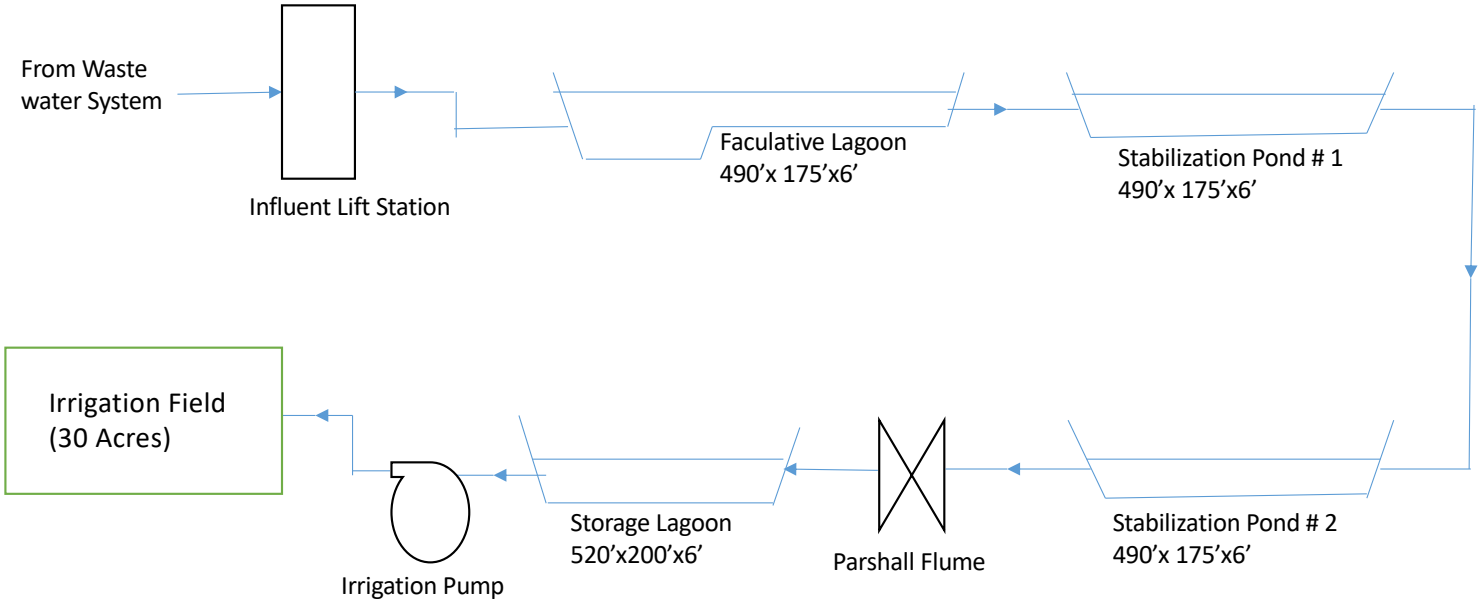
Click here to enter text.

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

Click here to enter text.

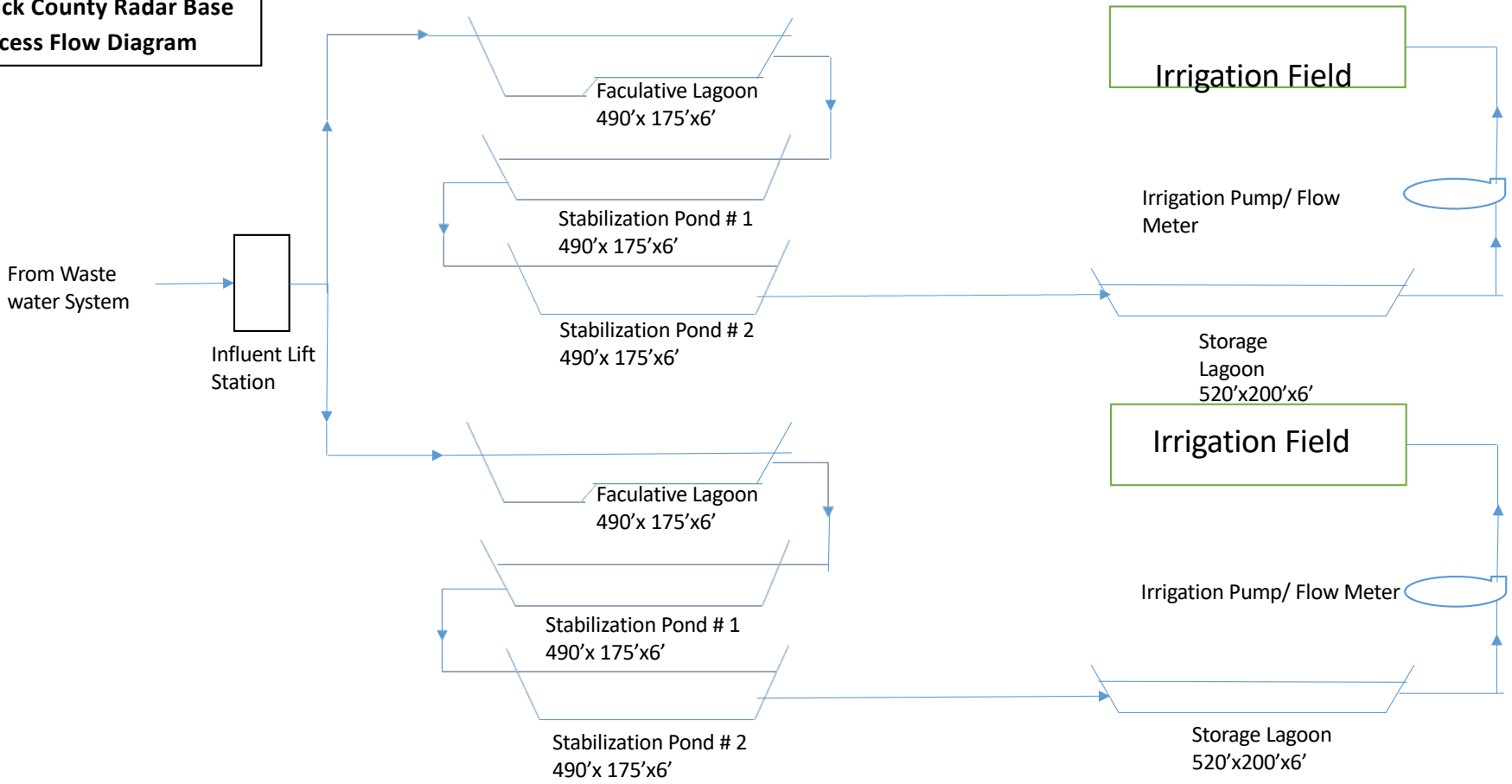
Wastewater Permit Renewal
Permit No. WQ0011932001
Maverick County Radar Base
Process Flow Diagram

Existing Wastewater Process Flow Diagram

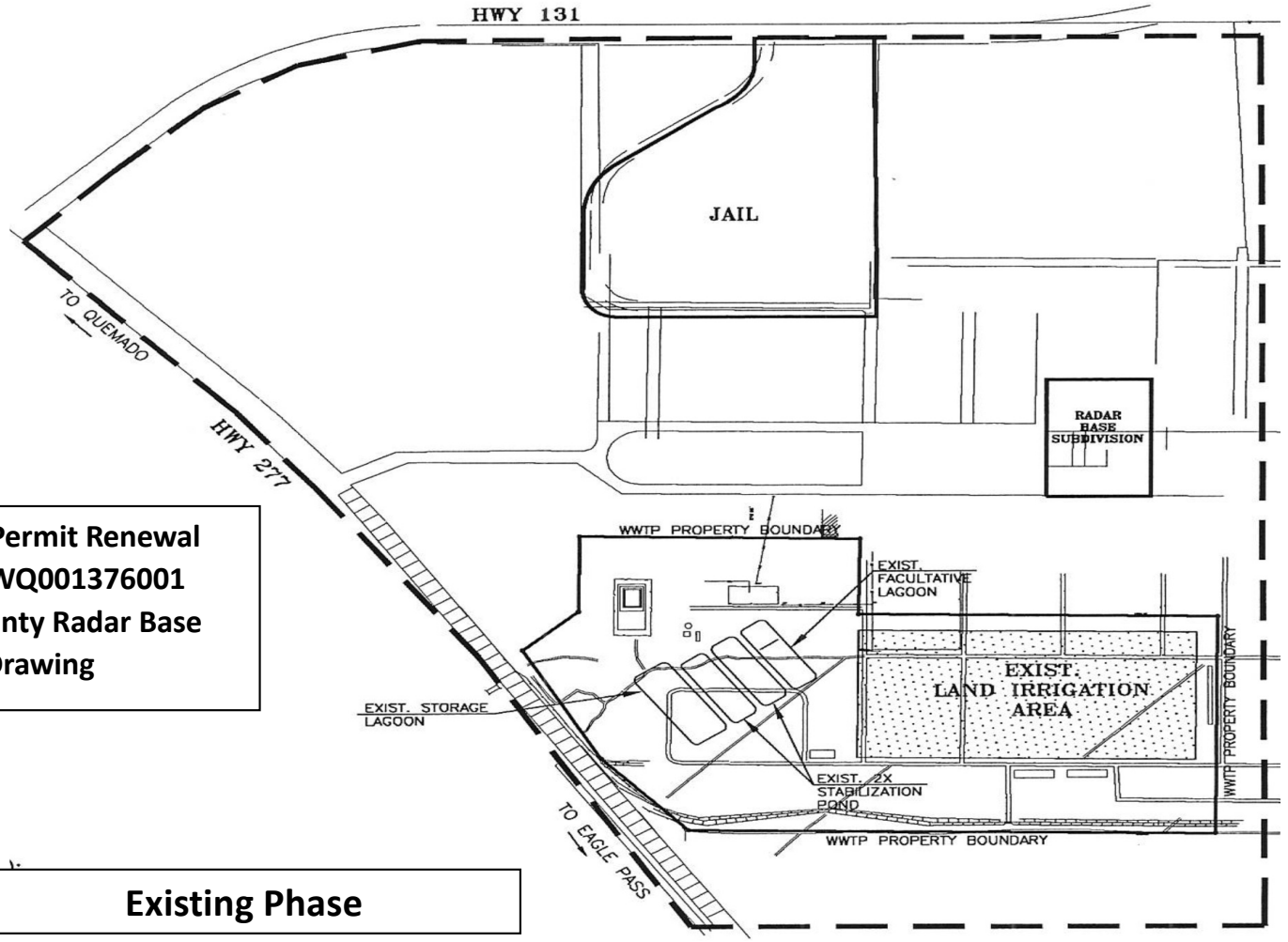


Wastewater Permit Renewal
Permit No. WQ0011932001
Maverick County Radar Base
Process Flow Diagram

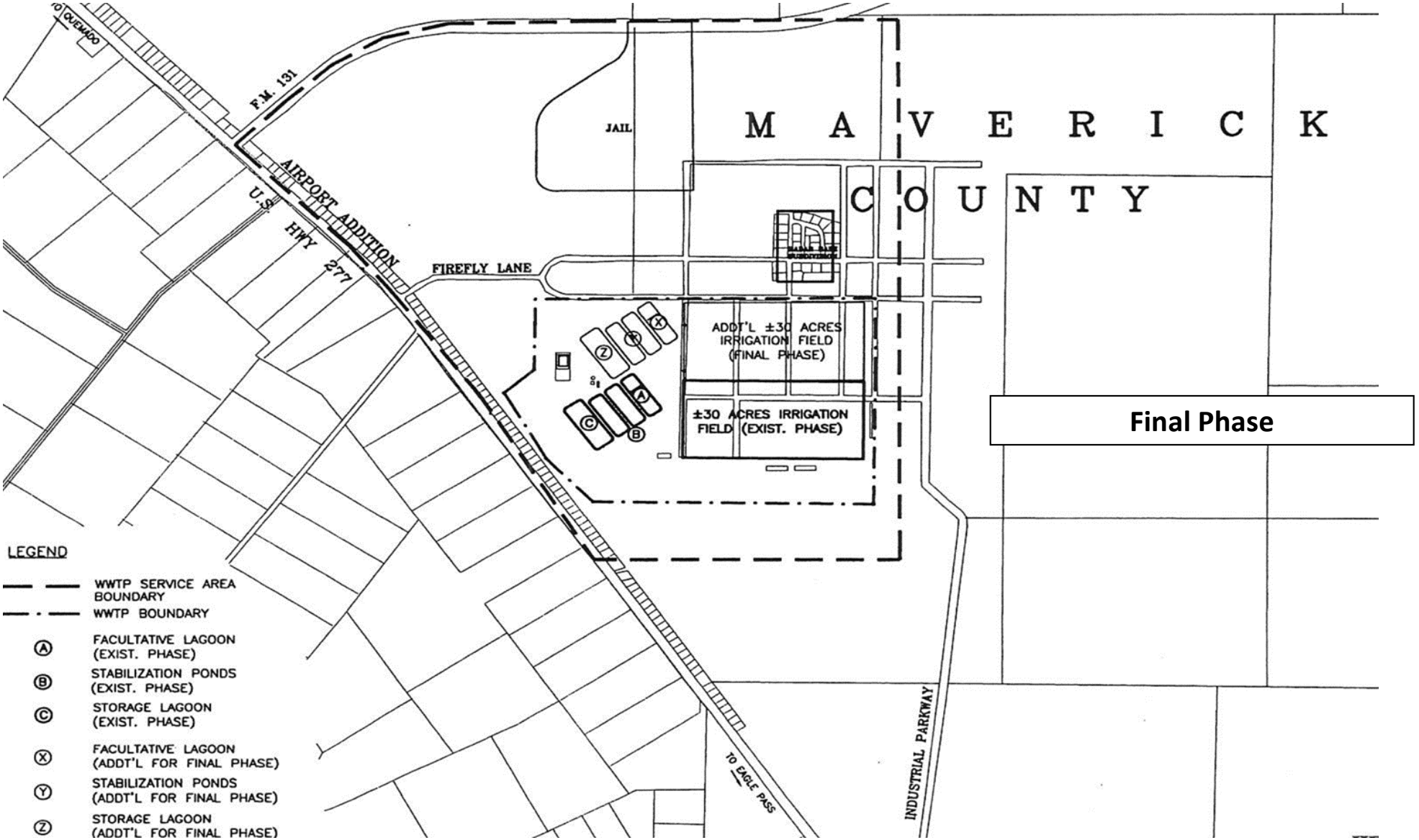
Final Phase Process Flow Diagram



Wastewater Permit Renewal
Permit No. WQ001376001
Maverick County Radar Base
Site Drawing



Existing Phase


QUEMADO
F.M. 131
AIRPORT ADDITION
U.S. HWY 277
JAIL
M A V E R I C K
C O U N T Y
FIREFLY LANE
ADDT'L ±30 ACRES IRRIGATION FIELD (FINAL PHASE)
±30 ACRES IRRIGATION FIELD (EXIST. PHASE)
Final Phase
LEGEND
WWTP SERVICE AREA BOUNDARY
WWTP BOUNDARY
Ⓐ FACULTATIVE LAGOON (EXIST. PHASE)
Ⓑ STABILIZATION PONDS (EXIST. PHASE)
Ⓒ STORAGE LAGOON (EXIST. PHASE)
Ⓧ FACULTATIVE LAGOON (ADDT'L FOR FINAL PHASE)
Ⓨ STABILIZATION PONDS (ADDT'L FOR FINAL PHASE)
Ⓩ STORAGE LAGOON (ADDT'L FOR FINAL PHASE)
TO EAGLE PASS
INDUSTRIAL PARKWAY

MAVERICK COUNTY RADAR BASE WWTP

ANNUAL CROPPING PLAN

a. a. Soil Map:
See Attachment No. 9 for USDA Natural Resources Conservation Service (NRCS) Soil Survey Map

a. b. Type of Grass:
The cropping plan involves with effluent land application on 30-acre vegetated area covered with Bermuda grass and alfalfa for the existing phase, and additional 30-acre of similar vegetation-covered area for the final phase.

a. c. Growing Season of Crop:
Grass will be grown all year round with peak growing period to be expected from February through November.

a. d. Nutrient Requirement of Crop:
The summary of nutrient requirements are shown as below:

Crop	Nitrogen-N (lbs/ac-harvest)	Phosphorous-P_2O_5 (lbs/ac-harvest)	Potassium-K_2O (lbs/ac-harvest)
Bermuda Grass	350 – 600	30 - 40	200
Ryegrass	200 – 480	20 – 30	155 - 200

(Source: Metcalf & Eddy, third edition, Wastewater Engineering, Treatment, Disposal and Reuse, Table 13-6, Nutrient Uptake Rates for Selected Crops)

a. e. Minimum and Maximum Harvest Height of Crop:
The Grass shall be harvested for hay when it reaches 12” – 15” tall

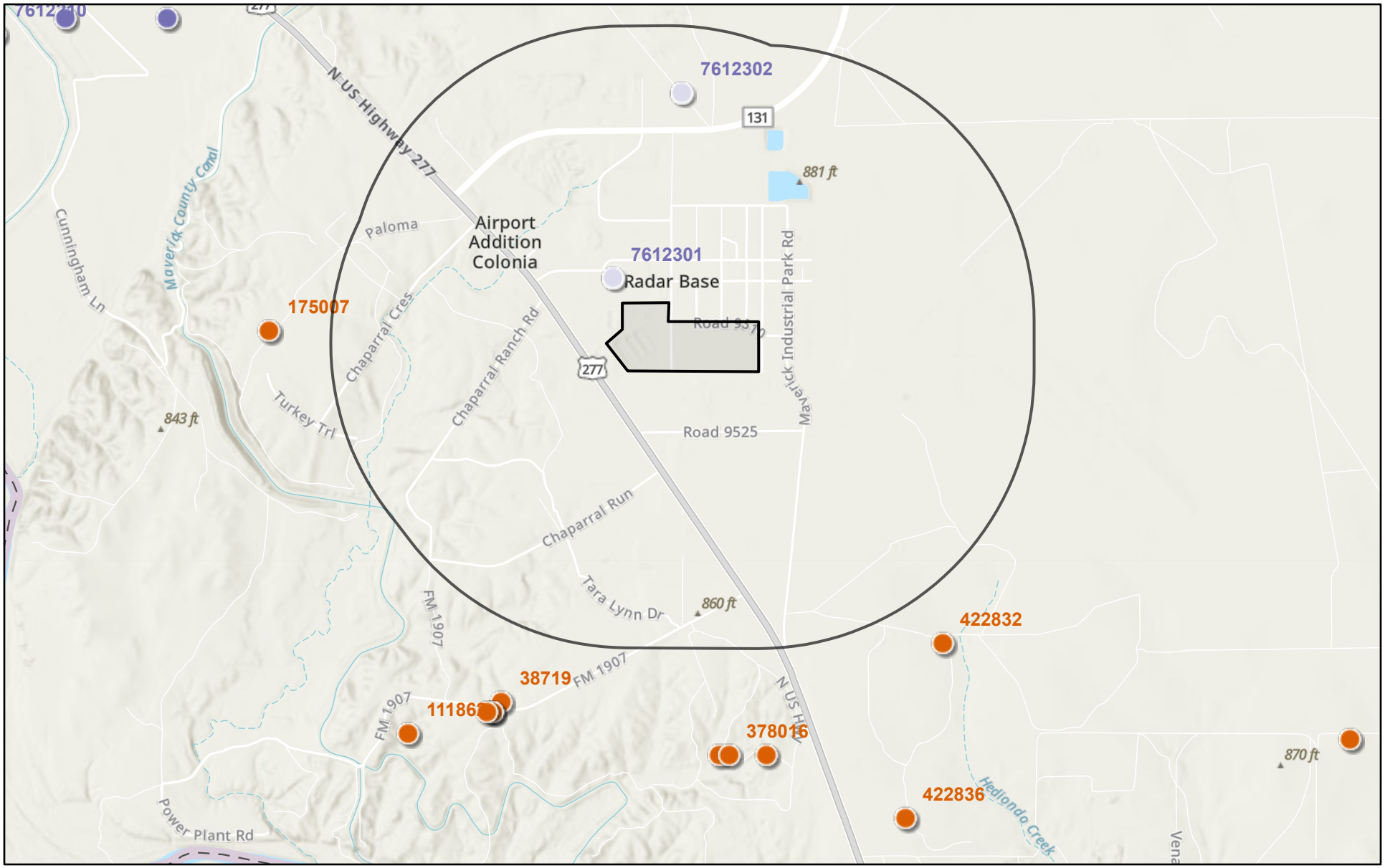
a. f. Supplement Watering Requirements:
None is required

a. g. Salt Tolerances of Crop:
9.5 mmmho/cm with no anticipated reduction yield.
12.0 mmmho/cm with up to 25% reduction in yield.
(Source: 30 TAC 309.20 Table 3. Decrease in yield to be expected for forage and field crops resulting from high electrical conductivity in irrigation water)

a. h. Harvesting Method and Number of Harvest per Year:
The crop will be harvested every 3-5 weeks depends on weather condition. It should be cut when it reaches 12”- 15” tall.

a. i. Additional Fertilizer Requirement:
None is anticipated at this moment. Soil data such as pH, N, P, K and macronutrients will be collected and analyzed during wet and dry growing season. Additional fertilization will be performed based on the soil testing result.

Groundwater Data, Texas



Texas Water Development Board

April 10, 2025

- Well Reports
- TWDB Groundwater

0 0.3 0.6 1.2 mi

0 0.47 0.95 1.9 km

1:36,112

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

TEXAS WATER DEVELOPMENT BOARD

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 76-12-301

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	7612301
County	Maverick
River Basin	Rio Grande
Groundwater Management Area	13
Regional Water Planning Area	M - Rio Grande
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	28.859445
Latitude (degrees minutes seconds)	28° 51' 34" N
Longitude (decimal degrees)	-100.536945
Longitude (degrees minutes seconds)	100° 32' 13" W
Coordinate Source	+/- 1 Second
Aquifer Code	100ALVM - Alluvium
Aquifer	Other
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	851
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	30
Well Depth Source	Memory of Owner
Drilling Start Date	
Drilling End Date	0/0/1937
Drilling Method	Dug
Borehole Completion	

Well Type	Withdrawal of Water
Well Use	Domestic
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Jet
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	John O'Neil
Driller	W. A. Stroman
Other Data Available	
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	5/16/1994
Last Update Date	3/4/2020

Remarks	Dug well. Four diameter.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
48	Blank	Wrought Iron				

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements

Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/19/1960		15.16		835.84	1	Texas Water Development Board	Steel Tape		
P	5/16/1994		13.5	(1.66)	837.5	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 7/19/1960 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** U.S. Geological Survey

Sampled Aquifer: Alluvium

Analyzed Lab: U.S. Geological Survey Lab **Reliability:** From well not sufficiently pumped; not filtered or preserved

Collection Remarks: from storage tank

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		264.75	mg/L as CACO3	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		323.09	mg/L	
00910	CALCIUM (MG/L)		90	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		80	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.9	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		269	mg/L as CACO3	
00920	MAGNESIUM (MG/L)		11	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		23	mg/L as NO3	
00400	PH (STANDARD UNITS), FIELD		7.5	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
00955	SILICA, DISSOLVED (MG/L AS SI02)		52	mg/L as SIO2	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.49		
00932	SODIUM, CALCULATED, PERCENT		43	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)	calculated	94	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		919	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		72	mg/L as SO4	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		581	mg/L	

Water Quality Analysis

Sample Date: 5/16/1994 **Sample Time:** 1530 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Alluvium

Analyzed Lab: Texas Department of Health **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		272	mg/L as CACO3	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		275	mg/L as CACO3	
01503	ALPHA, DISSOLVED (PC/L)	<	4.4	PC/L	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	20	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)		8.8	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		118	ug/L	
03503	BETA, DISSOLVED (PC/L)		5.6	PC/L	2.6
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		335.6	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	2	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		144	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		174	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	10	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)		6.9	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.88	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		422	mg/L as CACO3	
01046	IRON, DISSOLVED (UG/L AS FE)	<	10	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	5	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		15	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	2	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.13	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	50	ug/L	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		9.09	mg/L as N	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		40.24	mg/L as NO3	
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	<	0.01	mg/L as N	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		0.02	mg/L as N	

Texas Water Development Board

Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 76-12-301

groundwater division

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		0.3	mg/L as N	
00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS		35.4	MV	
00400	PH (STANDARD UNITS), FIELD		6.74	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		5.4	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	8	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		53	mg/L as SIO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	10	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		2.23		
00932	SODIUM, CALCULATED, PERCENT		35	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		105	mg/L	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		1340	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		107	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		22.5	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		810	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		38	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		32.9	ug/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 76-12-302

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	7612302
County	Maverick
River Basin	Rio Grande
Groundwater Management Area	13
Regional Water Planning Area	M - Rio Grande
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	28.869167
Latitude (degrees minutes seconds)	28° 52' 09" N
Longitude (decimal degrees)	-100.532778
Longitude (degrees minutes seconds)	100° 31' 58" W
Coordinate Source	+/- 1 Second
Aquifer Code	100ALVM - Alluvium
Aquifer	Other
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	876
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	115
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	7/11/1991
Drilling Method	Air Rotary
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Stock
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	Burr Ranch
Driller	Spurgeon Drilling Company
Other Data Available	Drillers Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	5/17/1994
Last Update Date	3/4/2020

Remarks	Reported jetted 15 GPM in 1991.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
4	Blank	Plastic (PVC)			0	55
4	Screen	Plastic (PVC)			55	75
4	Blank	Plastic (PVC)			75	95
4	Screen	Plastic (PVC)			95	115

Well Tests - No Data

Lithology - No Data

Annular Seal Range - No Data

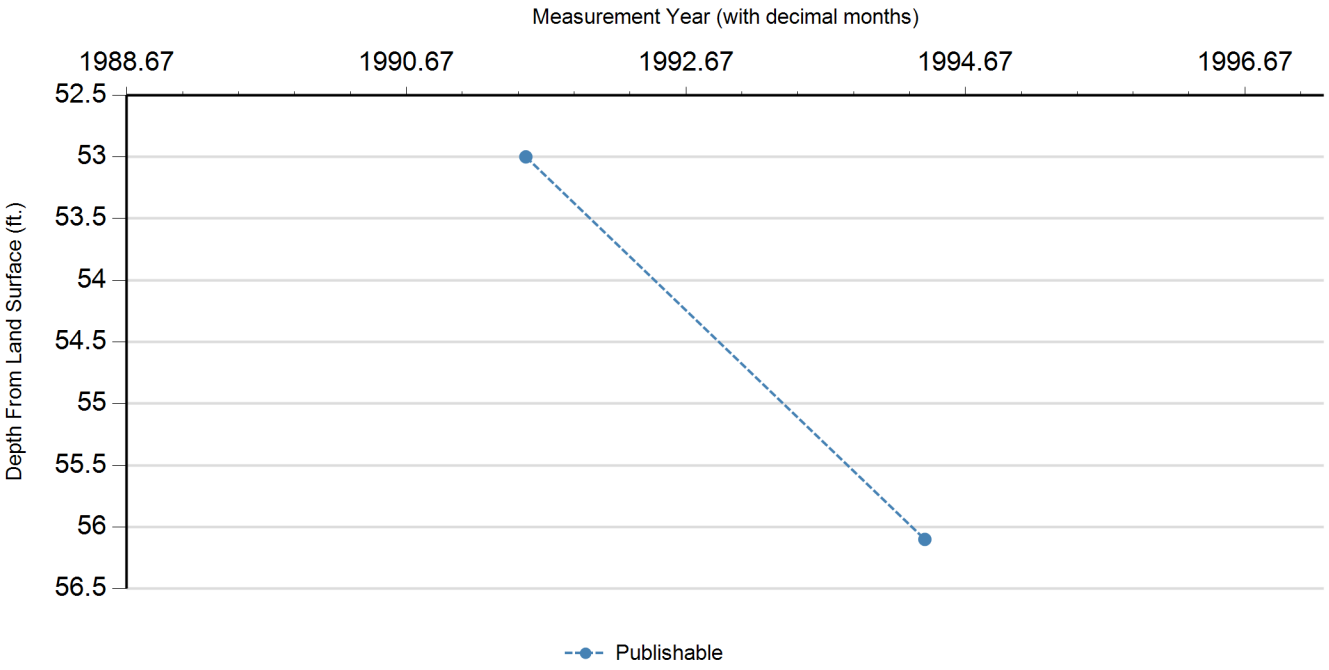
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	7/12/1991		53		823	1	Registered Water Well Driller	Unknown		
P	5/19/1994		56.1	3.10	819.9	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 5/17/1994 **Sample Time:** 1130 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Alluvium

Analyzed Lab: Texas Department of Health **Reliability:** Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		218	mg/L as CACO3	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		231	mg/L as CACO3	
01503	ALPHA, DISSOLVED (PC/L)		9.4	PC/L	3.5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	20	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)		7.2	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		72.3	ug/L	
03503	BETA, DISSOLVED (PC/L)		9.7	PC/L	3.5
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		281.9	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	2	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		218	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		574	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	10	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)		13.2	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		0.8	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		709	mg/L as CACO3	
01046	IRON, DISSOLVED (UG/L AS FE)	<	10	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	5	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		39	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)	<	2	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.13	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	20	ug/L	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		5.57	mg/L as N	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		24.65	mg/L as NO3	
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	<	0.01	mg/L as N	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		0.01	mg/L as N	

Texas Water Development Board

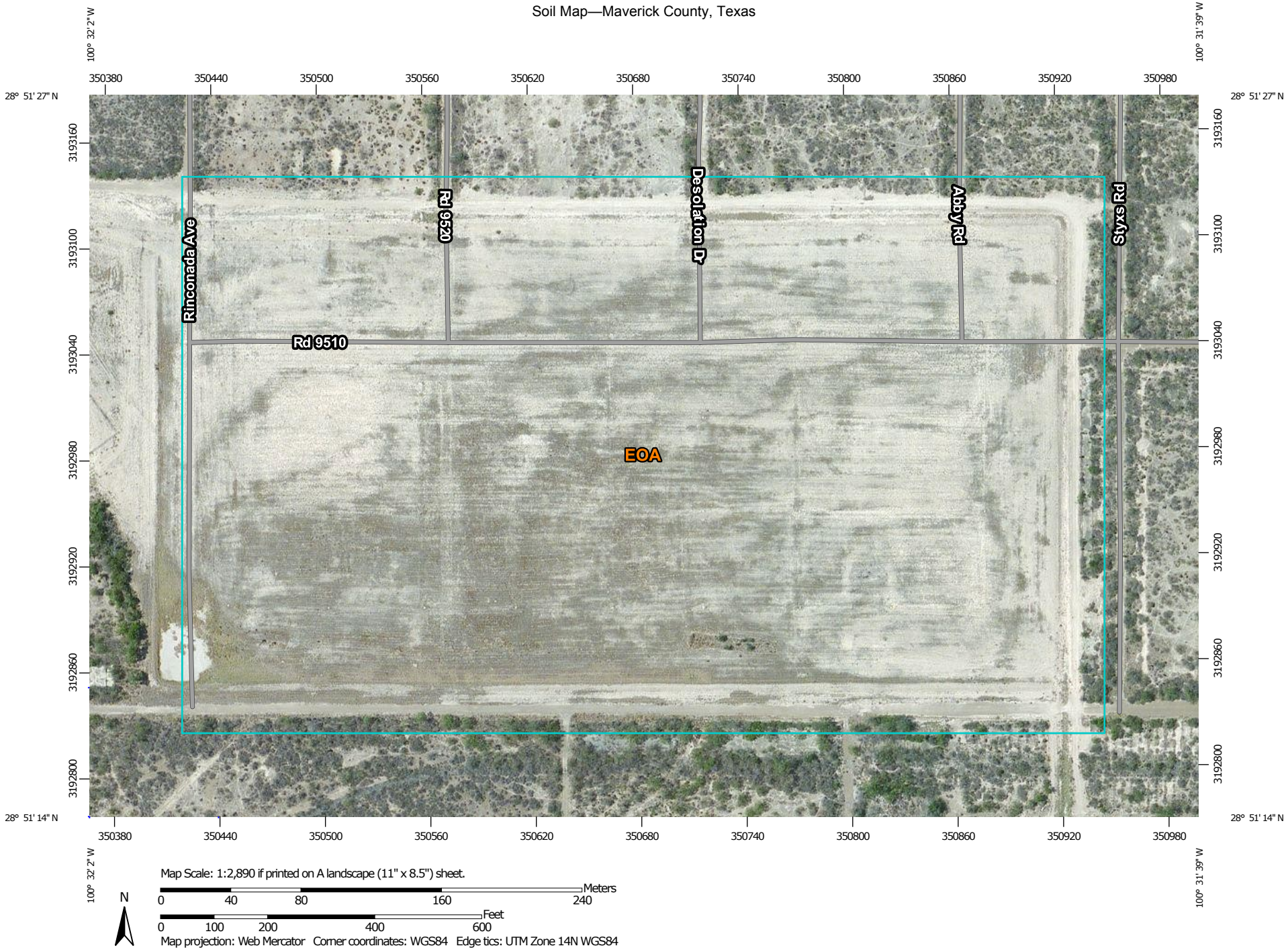
Texas Water Development Board (TWDB) Groundwater Database (GWDB) Well Information Report for State Well Number 76-12-302

groundwater division

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		0.4	mg/L as N	
00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS		45.6	MV	
00400	PH (STANDARD UNITS), FIELD		6.85	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		6.2	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)	<	8	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		51	mg/L as SIO2	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	10	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		3.23		
00932	SODIUM, CALCULATED, PERCENT		37	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		197	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1843	MICR	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		4390	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		138	mg/L as SO4	
00010	TEMPERATURE, WATER (CELSIUS)		26.8	C	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		1391	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		56	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		13.7	ug/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

Soil Map—Maverick County, Texas



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Maverick County, Texas
Survey Area Data: Version 11, Sep 30, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Data not available.

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Maverick County, Texas (TX323)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
EOA	Elindio association, nearly level	41.0	100.0%
Totals for Area of Interest		**41.0**	**100.0%**

Maverick County, Texas

EOA—Elindio association, nearly level

Map Unit Setting

National map unit symbol: f5lk
Elevation: 550 to 700 feet
Mean annual precipitation: 17 to 22 inches
Mean annual air temperature: 70 to 73 degrees F
Frost-free period: 260 to 290 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Elindio and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Elindio

Setting

Landform: Interfluves on stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Typical profile

H1 - 0 to 15 inches: silty clay loam
H2 - 15 to 39 inches: clay loam
H3 - 39 to 72 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Gypsum, maximum in profile: 2 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 2.0
Available water storage in profile: High (about 10.1 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B

Ecological site: Clay loam 18-25" pz (R083BY416TX)

Data Source Information

Soil Survey Area: Maverick County, Texas
Survey Area Data: Version 11, Sep 30, 2014

Rainee Trevino

From: Natalia Rodriguez Pinilla <natalia@environmentalcgroup.com>
Sent: Monday, April 28, 2025 10:42 PM
To: Rainee Trevino
Cc: ehdz68@yahoo.com
Subject: Re: Application to Renew Permit No. WQ0013716001-Notice of Deficiency Letter
Attachments: Response Letter.docx; 10400.pdf; Admin Page reviewed.pdf; USGS map updated.pdf; Municipal Disposal Renewal Spanish NORI.docx

Categories: NOD Response Review

Dear Rainee,

I apologize for the delayed response, as I have been out of the country and was only able to address this matter today.

Please find attached the response letter along with all the required documents.

Kindly let me know if there is anything further needed on my end.

Thank you for your time and assistance.

Best regards,

Natalia Rodriguez
832-776-5393

From: Rainee Trevino <Rainee.Trevino@tceq.texas.gov>
Date: Monday, April 14, 2025 at 3:23 PM
To: Natalia Rodriguez Pinilla <natalia@environmentalcgroup.com>
Cc: ehdz68@yahoo.com <ehdz68@yahoo.com>
Subject: Application to Renew Permit No. WQ0013716001-Notice of Deficiency Letter

Dear Ms. Rodriguez,

The attached Notice of Deficiency letter sent on April 14, 2025, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by April 28, 2025.

Regards,

Rainee Trevino
Water Quality Division | ARP Team
Texas Commission on Environmental Quality
512-239-4324

April 26, 2025

Rainee Trevino
Applications Review and Processing Team (MC148)
Water Quality Division Texas Commission on Environmental Quality
P.O. Box 13087 Austin, Texas 78711-3087

Re: Response to Notice of Deficiency Permit No. WQ0013716001 Maverick County (CN600640015) Radar Base Wastewater Treatment Plant (RN101607224)

Dear Ms. Trevino,

On behalf of Maverick County, please find attached our responses to the Notice of Deficiency (NOD) dated April 14, 2025:

1. **Original Paper Copy of Application:**
    - The original paper copy of the application has been mailed to the Texas Commission on Environmental Quality. Proof of mailing is attached.
2. **Core Data Form - Section III, Item #22:**
    - An updated Core Data Form including the site name has been completed and attached.
3. **Core Data Form - Section III, Item #26:**
    - An updated Core Data Form with the state, zip code, and nearest city where the facility is located has been completed and attached.
4. **Administrative Report 1.0, Section 4, Item A:**
    - An updated section of the application including the state and zip code for the mailing address of the applicant contact has been prepared and attached.
5. **USGS Topographic Map:**
    - An updated USGS Topographic Map with the applicant's property boundary labeled has been completed and attached.
6. **Review of NORI Portion:**
    - We have reviewed the portion of the NORI provided and confirm that it is correct. No errors or omissions were identified.
7. **Spanish Translation of the NORI:**
    - The Spanish translation of the NORI has been prepared according to the template provided and is attached in a Microsoft Word document.

We trust that the enclosed documents and responses address the items identified in the Notice of Deficiency. Should you require any additional information or clarification, please do not hesitate to contact me.

Thank you for your assistance.

Sincerely,

Natalia Rodriguez Consultant

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

CN: N/A

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

Prefix: N/A Last Name, First Name: N/A

Title: N/A Credential: N/A

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. Attachment 2

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Miss Last Name, First Name: Natalia Rodriguez

Title: Consultant Credential: Click to enter text.

Organization Name: ECG

Mailing Address: 921 E 800 S City, State, Zip Code: Salt Lake City, UT 84102

Phone No.: 832-776-5393 E-mail Address: natalia@environmentalcgroup.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Ernie Hernandez

Title: County Water Works Operator Credential: n/a

Organization Name: Maverick County

Mailing Address: 500 Quarry Street Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-352-4281 E-mail Address: ehdz68@yahoo.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

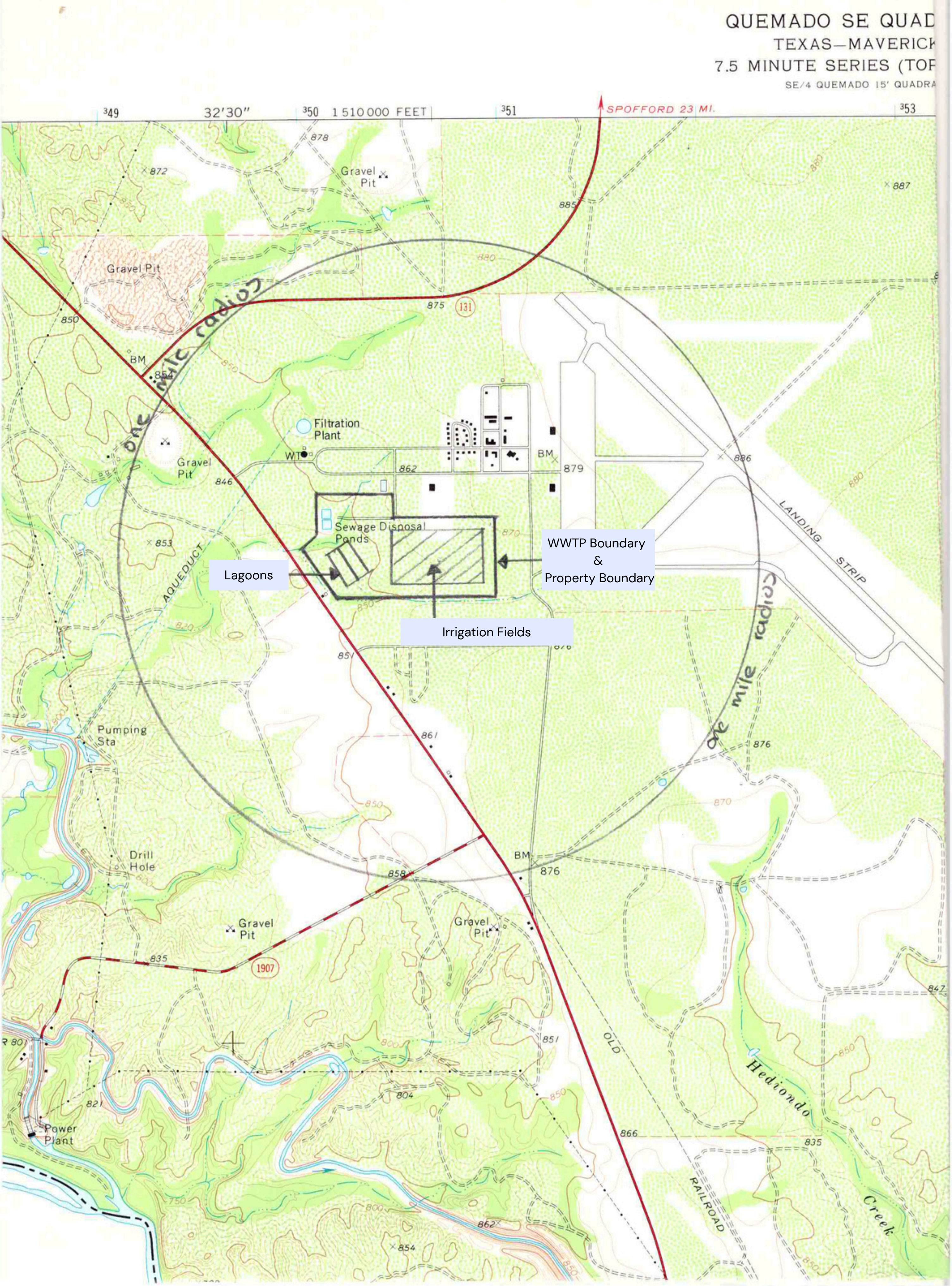
A. Prefix: Mr. Last Name, First Name: Ernie Hernandez

Title: County Water Works Operator Credential: Click to enter text.

Organization Name: Maverick County

Mailing Address: 500 Quarry Street Suite 3 City, State, Zip Code: Eagle Pass, TX 78852

Phone No.: 830-352-4281 E-mail Address: ehdz68@yahoo.com



QUEMADO SE QUAD
TEXAS—MAVERICK
7.5 MINUTE SERIES (TOP
SE/4 QUEMADO 15' QUADRA
1 510 000 FEET
32'30"
SPOFFORD 23 MI.
Gravel Pit
Filtration Plant
Sewage Disposal Ponds
Lagoons
WWTP Boundary
&
Property Boundary
Irrigation Fields
one mile radius
LANDING STRIP
AQUEDUCT
Pumping Sta
Drill Hole
Power Plant
OLD RAILROAD
Hediondo Creek

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD E
INTENCION DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA
RENOVACION

PERMISO NO. WQ00

SOLICITUD. Maverick County, 500 Quarry Street, Suite 3, Eagle Pass, Texas 78852, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) para renovar el Permiso No. WQ0013716001 de disposición de aguas residuales para autorizar la disposición de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 200,000 galones por día mediante irrigación superficial en 60 acres de terreno sin acceso público. La planta de tratamiento de aguas domésticos residuales y el área de disposición están ubicados aproximadamente 4,300 pies al sureste de la intersección de U.S. Highway 277 y State Highway 131, cerca de la ciudad de Eagle Pass, en el Condado de Maverick, Texas 78852. La TCEQ recibió esta solicitud el 10 de abril de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Maverick County Courthouse, County Judge's Office, 500 Quarry Street, Suite 3, Eagle Pass, en el Condado de Maverick, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:
https://www.tceq.texas.gov/permitting/wastewater/pending-permits/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=-100.535555,28.856666&level=18

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés

público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

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

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

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

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

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

También se puede obtener información adicional del *Condado de Maverick* a la dirección indicada arriba o llamando a *Ernie Hernandez* al *830-773-4747*

Fecha de emisión *[Date notice issued]*

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(830) 773-3824		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

The Radar Base Wasteater Treatment Facility

23. Street Address of the Regulated Entity: ***(No PO Boxes)***								
	City		**State**		**ZIP**		**ZIP + 4**	
24. County	Maverick							

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

25. Description to Physical Location:	Approximately 4,300 feet southweast of the intersection of U.S. Highway 277 and State Highway 131, in mAVERICK coUNTY, tEXAS 78852				
26. Nearest City			**State**	**Nearest ZIP Code**	
Eagle Pass			Tx	78852	

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

27. Latitude (N) In Decimal:	28°51'20.56"N		**28. Longitude (W) In Decimal:**	100°32'8.13"W	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
4952		22132	

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

government

34. Mailing Address:	**500 Quarry Street, Suite 3**							
	City	**Eagle Pass**	**State**	**TX**	**ZIP**	**78852**	**ZIP + 4**	
35. E-Mail Address:	**jessica.gonzalez@co.maverick.tx.us**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(830) 773-3824		( ) -

The TCEQ is committed to accessibility.
To request a more accessible version of this report, please contact the TCEQ Help Desk at (512) 239-4357.

Compliance History Report

Compliance History Report for CN600640015, RN101607224, Rating Year 2024 which includes Compliance History (CH) components from September 1, 2019, through August 31, 2024.

Customer, Respondent, or Owner/Operator: CN600640015, Maverick County **Classification:** HIGH **Rating:** 0.00

Regulated Entity: RN101607224, RADAR BASE WWTP **Classification:** UNCLASSIFIED **Rating:** -----

Complexity Points: 3 **Repeat Violator:** NO

CH Group: 08 - Sewage Treatment Facilities

Location: LOCATED APPROX 4300 FT SE OF THE INTERX OF THE US 277 AND SH 131 MAVERICK, TX, MAVERICK COUNTY

TCEQ Region: REGION 16 - LAREDO

ID Number(s):

WASTEWATER PERMIT WQ0013716001 **WASTEWATER** EPA ID TX0112291

Compliance History Period: September 01, 2019 to August 31, 2024 **Rating Year:** 2024 **Rating Date:** 09/01/2024

Date Compliance History Report Prepared: May 12, 2025

Agency Decision Requiring Compliance History: Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.

Component Period Selected: April 10, 2020 to May 12, 2025

TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.

Name: JAM III **Phone:** (512) 239-4668

Site and Owner/Operator History:

1) Has the site been in existence and/or operation for the full five year compliance period? YES
2) Has there been a (known) change in ownership/operator of the site during the compliance period? NO

Components (Multimedia) for the Site Are Listed in Sections A - J

A. Final Orders, court judgments, and consent decrees:
N/A

B. Criminal convictions:
N/A

C. Chronic excessive emissions events:
N/A

D. The approval dates of investigations (CCEDS Inv. Track. No.):
N/A

E. Written notices of violations (NOV) (CCEDS Inv. Track. No.):
A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.

N/A

F. Environmental audits:
N/A

G. Type of environmental management systems (EMSs):

N/A

H. Voluntary on-site compliance assessment dates:
N/A

I. Participation in a voluntary pollution reduction program:
N/A

J. Early compliance:
N/A

Sites Outside of Texas:
N/A

Senate Bill 709 (84th Legislative Session, 2015) amended the Texas Water Code by adding new Section 5.5553, which requires the Texas Commission on Environmental Quality (TCEQ) to provide written notice to you at least thirty (30) days prior to the TCEQ's issuance of draft permits for applications that are located in your district.

Maverick County, 500 Quarry Street, Suite 3, Eagle Pass, Texas 78852, has applied to the TCEQ to renew Texas Land Application Permit No. WQ0013716001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 200,000 gallons per day via surface irrigation on 60 acres of non-public access land. The domestic wastewater treatment facility and disposal area are located approximately 4,300 feet southeast of the intersection of U.S. Highway 277 and State Highway 131, near the city of Eagle Pass, in Maverick County, Texas 78852. TCEQ received this application on April 10, 2025. The permit application will be available for viewing and copying at Maverick County Courthouse, County Judge's Office, 500 Quarry Street, Suite 3, Eagle Pass, in Maverick 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. 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 the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-100.535555,28.856666&level=18

TCEQ is preparing the initial draft permit. At the time the draft permit is issued, the applicant will be required to publish notice in a newspaper of general circulation, and the TCEQ will provide a copy of the notice of draft permit to persons who have requested to be on a mailing list.

Questions regarding this application may be directed to Mr. Deba Dutta, P.E., by calling 512-239-4608.

Issuance Date: _____

TCEQ Interoffice Memorandum

To: Deba Dutta, P.E., Team Leader
Municipal Permits Team

From: Sara Holmes
Water Quality Assessment Team

Date: May 5, 2025

Subject: Agronomy Recommendation, Maverick County – Radar Base WWTF, Renewal, Permit WQ0013716001, Maverick County

Based upon review of the permit application and an evaluation of soils and agronomy information, the WQA Team reviewing agronomist recommends the following:

1. Replace Special Provision 7 with the following:

Irrigation practices shall be designed and managed so as to prevent ponding of effluent or contamination of ground and surface waters and to prevent the occurrence of nuisance conditions in the area. To promote effluent and nutrient uptake by the crop, and to prevent pathways for effluent surfacing, the Bermuda grass, alfalfa, and other ground cover shall be established and well maintained in the irrigation area throughout the year. Tailwater control facilities shall be provided as necessary to prevent the discharge of any effluent from the irrigated land.

2. Replace Special Provision 9 with the following:

For any area where treated effluent is stored or where there exist hose bibs or faucets, the permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply. 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 signs.

3. Replace Special Provision 13 with the following:

The permittee shall follow the Annual Cropping Plan. The physical condition of the spray irrigation fields will be monitored on a weekly basis when the fields are being utilized for the purpose of wastewater irrigation. Any areas with problems such as surface runoff, surficial erosion, stressed or damaged vegetation will be recorded in the field log kept onsite and corrective measures will be initiated within 24 hours of discovery. The permittee will also maintain the annual vegetative cover system that will use wastewater nutrients throughout the year and address any problems within 24 hours of discovery.

4. Replace the first and last paragraphs of Special Provision 14 with the following:

The permittee shall obtain representative soil samples from the root zones of the land application area receiving wastewater. Composite sampling techniques shall be used. Each composite sample shall represent no more than 30 acres in the Interim Phase and no more than 60 acres in the Final Phase, with no less than 10 to 15 subsamples representing each composite sample. Subsamples shall be composited by like sampling depth and soil type for analysis and reporting. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from o to 6 inches, 6 inches to 18 inches and 18 inches to

30 inches below ground level. The permittee shall sample and analyze soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.

The permittee shall provide a copy of this plan to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the TCEQ Regional Office (MC Region 16) and the Enforcement Division (MC 224) no later than the end of September following the sampling date of each year. If wastewater is not applied in a particular year, the permittee shall notify the same TCEQ offices and indicate that wastewater has not been applied on the approved land disposal sites during that year.

5. Replace Special Provision 15 with the following:

The permittee shall use cultural practices to promote and maintain the health and propagation of the Bermuda grass, alfalfa, and native grasses and avoid plant lodging. The permittee shall harvest the crops (cut and remove it from the field) at least one time during the year. Harvesting and mowing dates shall be recorded in a log book kept on site to be made available to TCEQ personnel upon request.

TCEQ Interoffice Memorandum

To: Deba Dutta, P.E., Leader, Municipal Permits Team

From: Hannah Zellner, P.G., Geologist, Water Quality Assessment Team

Date: May 5th, 2025

Subject: **Geology Compliance Review of Groundwater-Related Special Provisions for Permit No. WQ0013716001, Maverick County – The Radar Base WWTF, Renewal, Maverick County**

Based upon the review of the existing permit language the WQA Team reviewing geologist recommends the following modifications to special provisions:

Recommendations:

Revise Special Provision 18 with the following changes (changes in bold, stricken lines should be removed)*:*

5. For the Interim Phase, **existing** facilities for the retention or storage of treated or untreated wastewater shall be adequately lined to control seepage. The following methods of pond lining are acceptable:

a. In-situ clay soils or placed and compacted clay soils meeting the following requirements:

   1. More than 30% passing a No. 200 mesh sieve
   2. Liquid limit greater than 30%
   3. Plasticity index greater than 15%
   4. A minimum thickness of 2 feet

   ~~**5. Permeability equal to or less than 1x10-7 cm/sec (*)**~~

   ~~**6. Soil compaction will be 95% standard proctor at optimum moisture content (*)**~~

   ~~**(*) For new and/or modified ponds only.**~~

b. Membrane lining with a minimum thickness of 20 mils, and an underdrain leak detection system.

c. An alternate method of pond lining may be utilized with prior approval from the Executive Director.

A certification by a Texas Licensed Professional Engineer that the completed pond lining meets the appropriate criteria above shall be maintained. The certification shall be kept on file and made available for viewing upon request by the TCEQ Regional Office (MC Region 16~~**), the and Water Quality Compliance Monitoring Team (MC 224) of**~~ the Enforcement Division **(MC 224), and the Water Quality Assessment Team of the Water Quality Division (MC 150).**

Regarding wastewater pond liners, include the following as new Special Provisions (following the current Special Provision 18):

19. Any new or modified wastewater pond shall be adequately lined to control seepage in accordance with 30 TAC §217.203. The Permittee shall submit the liner certification for a newly-constructed or modified wastewater pond to the Water Quality Assessment Team (MC-150), the TCEQ Regional Office (MC-Region 16), and the TCEQ Enforcement Division (MC-224) within 30 days of completion and prior to use. The certification shall be signed and sealed by a Texas-licensed professional engineer and include a description of how the liner meets the requirements of 30 TAC §217.203.

20. The existing wastewater ponds shall be maintained and operated in a manner that prevents unauthorized discharge to water in the state and contamination of groundwater.

21. Facilities for the retention of treated or untreated wastewater shall be adequately managed and lined to control seepage. At least once per month, the Permittee shall inspect the sides and bottom (if visible) of all wastewater ponds for signs of damage and leakage, and any pond leak detection systems that are in service. Leaking ponds shall be removed from service, or operated in a manner to prevent discharge, until repairs are made or replacement ponds are constructed. A record of the monthly inspections shall be maintained in a field log and kept onsite for TCEQ inspection.

22. Pond liner certifications and all liner construction and repair documentation shall be maintained by the Permittee for the life of the facility and be made available for TCEQ personnel for inspection and review.

Add the following as new Special Provisions:

23. The permittee shall comply with buffer zone requirements of 30 TAC §309.13(c). A wastewater treatment plant unit, defined by 30 TAC Section §309.11(9), must be located a minimum horizontal distance of 250 feet from a private well and a minimum horizontal distance of 500 feet from a public water well site, spring, or other similar sources of public drinking water, as provided by §290.41(c)(1)(C) of this title.

24. The permittee shall comply with the buffer zone requirements of 30 TAC §309.13(c), specifically regarding water wells and waters in the state. The permittee must locate the wastewater irrigation fields a minimum horizontal distance of 500 feet from public water wells, springs, or other similar sources of public drinking water and 150 feet from private water wells.

From: Hannah Zellner
To: Natalia Rodriguez Pinilla
Cc: Sara Holmes; ehdz68@yahoo.com
Subject: WQ0013716001 Preliminary NODs
Date: Friday, April 18, 2025 11:22:51 AM
Attachments: 13716-001.Pretech.Apr2025.docx

Good Morning Natalia,

We have received the application for WQ0013716001 for preliminary review, and it is missing information necessary to complete our review. Please provide the updated information listed above in the attachment of this email within 14 days or by May 1, 2025.

Any revisions can be sent electronically to myself or Sara Holmes. If you have any questions, please feel free to contact us.

Hannah Zellner, P.G.

Water Quality Assessment Team/Water Quality Division
Texas Commission on Environmental Quality
MC-150
PO Box 13087
Austin, TX 78711-3087
512-239-2908

MAVERICK COUNTY
PERMIT NO. WQ0013716001
APPLICATION FOR A RENEWAL
Technical Completeness Review

Please address the following items:

GEOLOGY

1. Domestic Worksheet 3.0, Section 3. Storage ad Evaporation Lagoons/Ponds – Please submit any available information on the clay pond liners (geotechnical reports, sampling results, as-builts, etc).

2. Domestic Worksheet 3.0, Section 7. Groundwater Quality – This report is still required for evaporation only facilities. Please submit the report discussing the facility's pond liners and water wells near the site.

AGRONOMY

3. Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent – Please fill out Table 1.0(2) if the facility is in operation and provide the current effluent lab reports.

4. Domestic Worksheet 3.0, Section 8. Soil Map and Soil Analyses – Please confirm irrigation has not occurred for more than 12 months. No lab analyses will be necessary in this case.

5. Domestic Worksheet 3.0, Section 9. Effluent Monitoring Data – Please fill out at least the first 2 columns of this table even if irrigation is not occurring.

For geology/groundwater-related questions, please contact Hannah Zellner, P.G. via email at Hannah.Zellner@tceq.texas.gov (preferred) or at 512-239-2908. For agronomy-related questions, please contact Sara Holmes via email at Sara.Holmes@tceq.texas.gov (preferred) or at 512-239-4534.

From:	Natalia Rodriguez Pinilla
To:	Sara Holmes; Hannah Zellner
Subject:	Re: WQ0013716001 Preliminary NODs
Date:	Friday, May 2, 2025 6:46:05 PM
Attachments:	Response .docx DOC043025.pdf Groundwater Impact Assessment Report.docx 797608.pdf Pollutant Analysis.pdf effluent monitoring data.pdf

---

Dear Hannah,

Please find attach to this email the response to the request for Maverick County application.

Let me know if you have any questions or need anything else.

Natalia Rodriguez
Principal
ECG, LLC
+1 832-776-5393
natalia@environmentalcgroup.com
www.environmentalcgroup.com

From: Sara Holmes <Sara.Holmes@tceq.texas.gov>
Date: Thursday, May 1, 2025 at 1:15 PM
To: Natalia Rodriguez Pinilla <natalia@environmentalcgroup.com>, Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Subject: RE: WQ0013716001 Preliminary NODs

Hi Natalia,

Yes, this is fine. Have a safe flight!

Thank you,

Sara Holmes
Natural Resource Specialist III
Water Quality Assessment Team
12100 Park 35 Circle

Austin, TX 78753
512-239-4534

From: Natalia Rodriguez Pinilla <natalia@environmentalcgroup.com>
Sent: Thursday, May 1, 2025 2:03 PM
To: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Cc: Sara Holmes <Sara.Holmes@tceq.texas.gov>
Subject: Re: WQ0013716001 Preliminary NODs

Hi Hannah,

I am writing to ask an extension of 1 day for the submission of this information. I am travelling and my flight got push a few hours and I got stuck in the airport. I have everything for the submission, but I need to organize it and send it, would be okay for me to send it tomorrow?

I appreciate your understanding.

Get Outlook for Mac

From: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Date: Friday, April 18, 2025 at 10:22 AM
To: Natalia Rodriguez Pinilla <natalia@environmentalcgroup.com>
Cc: Sara Holmes <Sara.Holmes@tceq.texas.gov>, ehdz68@yahoo.com <ehdz68@yahoo.com>
Subject: WQ0013716001 Preliminary NODs

Good Morning Natalia,

We have received the application for WQ0013716001 for preliminary review, and it is missing information necessary to complete our review. Please provide the updated information listed above in the attachment of this email within 14 days or by May 1, 2025.

Any revisions can be sent electronically to myself or Sara Holmes. If you have any questions, please feel free to contact us.

Hannah Zellner, P.G.

Water Quality Assessment Team/Water Quality Division
Texas Commission on Environmental Quality
MC-150
PO Box 13087
Austin, TX 78711-3087
512-239-2908

MAVERICK COUNTY
Permit No. WQ0013716001
Application for Renewal
Response to Technical Completeness Review

Date: May 2, 2025
To: Texas Commission on Environmental Quality (TCEQ)
Attn: Hannah Zellner, P.G. and Sara Holmes

GEOLOGY

1. **Storage and Evaporation Lagoons/Ponds (Domestic Worksheet 3.0, Section 3)**
   We are attaching documentation reflecting the improvements made to the ponds by an engineering firm.
2. **Groundwater Quality (Domestic Worksheet 3.0, Section 7)**
   As required for evaporation-only facilities, please find attached the Groundwater Quality Technical Report.

AGRONOMY

3. **Pollutant Analysis of Treated Effluent (Domestic Technical Report 1.0, Section 7)**
   Table 1.0(2) has been completed and is attached. Additionally, current effluent lab reports are included to support the application.
4. **Soil Map and Soil Analyses (Domestic Worksheet 3.0, Section 8)**
   We confirm that no irrigation has occurred in the past 12 months. As such, no soil laboratory analyses are required at this time.
5. **Effluent Monitoring Data (Domestic Worksheet 3.0, Section 9)**
   The first two columns of the Effluent Monitoring Data table have been completed as requested. Please find the table attached.

If you require any additional information or clarification, please do not hesitate to contact us.

Groundwater Impact Assessment Report

Radar Base Wastewater Treatment Plant
Permit No.: WQ0013716001
Applicant: Maverick County

1. Introduction

This technical report has been prepared to fulfill the requirements of 30 TAC §309.20(a)(4)(A and B) for the renewal of the Texas Land Application Permit (TLAP) for the Maverick County Radar Base Wastewater Treatment Plant. The report assesses the impact of the wastewater disposal operation on local groundwater resources and demonstrates how the facility's operation is protective of groundwater quality.

2. Local Groundwater Resources

2.1 Groundwater Description

The site is located in Maverick County, Texas. Local groundwater in this area is typically sourced from aquifers such as the Carrizo-Wilcox or local alluvial deposits along the Rio Grande. These aquifers are used for various purposes including domestic, agricultural, and municipal supply.

2.2 Depth to Groundwater

The groundwater table in the vicinity of the facility is estimated to be relatively deep. Based on available well data within a half-mile radius:

- Wells 76-12-302 and 76-12-301, located near the site, are used for **stock and domestic purposes**, respectively.
- Both wells are **cased**, and regular water testing is conducted to ensure quality.
- Exact depth to groundwater is not provided; however, typical depths for wells in this area range between **100 to 300 feet**.

2.3 Existing Groundwater Quality

There are no documented impacts on groundwater from the current facility operations. Groundwater quality is generally suitable for domestic and livestock use, with no known contamination issues associated with the wastewater treatment plant.

3. Assessment of Wastewater Irrigation and Pond Impact

3.1 Wastewater Irrigation Methods and Application Rates

The treated wastewater is applied through irrigation over a designated 30-acre land application site (expanding to 60 acres in the final phase). Crops include Coastal Bermuda grass, alfalfa, and other ground covers.

- **Application Rate:**
  - Interim phase: 100,000 gallons per day (GPD)
  - Final phase: 200,000 GPD
- The irrigation is designed to match the uptake capacity of the crops and the soil's water-holding characteristics, minimizing percolation beyond the root zone.

Tailwater control berms and interceptor swales have been implemented to manage rainfall runoff and prevent any excess effluent from leaving the irrigation site .

3.2 Effluent Storage Ponds

Effluent is stored in two storage lagoons prior to irrigation:

- **Surface Area:** 2.38 acres each
- **Storage Volume:** 14 acre-feet each
- **Liner Type:** 2-foot compacted clay liner, compliant with TCEQ requirements for preventing seepage .

4. Groundwater Monitoring Wells or Lysimeters

No groundwater monitoring wells or lysimeters are currently installed at the site, nor are any proposed at this time.

- The land application area is designed and operated to avoid groundwater contamination; therefore, groundwater monitoring is not required at this stage .
- If required in the future, locations will be selected based on proximity to the irrigation fields and storage ponds and will be designed to monitor potential groundwater impacts.

5. Conclusion

The wastewater disposal operations at the Radar Base Wastewater Treatment Plant, including storage ponds and irrigation methods, are protective of local groundwater resources. Proper engineering design, operation, and maintenance practices ensure that groundwater quality is preserved. No groundwater monitoring wells or lysimeters are currently planned, as the system is designed to avoid groundwater impact.

GENERAL CONSTRUCTION NOTES

1. NATURAL GRASS AND TREE AREAS SHALL BE LEFT UNDISTURBED AS MUCH AS POSSIBLE DURING CONSTRUCTION. ALL AREAS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION SHALL BE RESEEDED IN ACCORDANCE WITH THE GUIDELINES OUTLINED IN THE PERMANENT EROSION CONTROL SPECIFICATIONS.
2. EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR REFERENCE ONLY AND DO NOT NECESSARILY REPRESENT THE EXACT LOCATION OF SUCH FACILITIES, NOR IS IT IMPLIED THAT ALL EXISTING UTILITIES ARE SHOWN ON THE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
3. THE CONTRACTOR SHALL REPAIR, AT HIS EXPENSE, ANY AND ALL EXISTING UTILITY MAINS AND SERVICES, DRAINAGE FACILITIES, DRIVEWAYS, CULVERTS, SIGNS, FENCES, MAIL BOXES, PROPERTY PINS, OR OTHER ITEMS DAMAGED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER.
4. THE CONTRACTOR SHALL INSURE THAT ADEQUATE SAFETY PRECAUTIONS ARE MAINTAINED AT ALL TIMES REGARDING AREAS OF OPEN PIPE TRENCH. ALL PIPE TRENCH SHALL BE COVERED AT ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS. THE TRENCH COVERING SHALL BE CAPABLE OF SUPPORTING TRAFFIC LOADS.
5. CONTRACTOR MUST NOTIFY ENGINEER/OWNER 24 HOURS PRIOR TO STREET CUTS.
6. ALL TRENCH SAFETY CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH OSHA SPECIFICATION, CONTRACT DOCUMENTS WHICH INCLUDE A TRENCH SAFETY PLAN AND A PAY ITEM FOR TRENCH SAFETY MEASURES, AND SHALL BE IN COMPLIANCE WITH TEXAS HOUSE BILLS 662, AND 665.
7. EXCESS SPOILS SHALL BE DISPOSED OF AT A SITE AS DESIGNATED BY THE ENGINEER. DISPOSAL SHALL TAKE PLACE ROUTINELY AND SHALL ACCUMULATE FOR A PERIOD OF NOT MORE THAN 5 WORKING DAYS BEFORE DISPOSAL.

SPECIAL CONSTRUCTION NOTES

1. THE CONSTRUCTION SPECIFICATIONS CURRENT AT THE TIME OF BIDDING SHALL GOVERN MATERIAL AND METHODS USED TO DO THIS WORK.
2. CONTRACTOR MUST NOTIFY CITY AND/OR COUNTY TO OBTAIN PERMISSION TO CUT STREETS AT LEAST 48 HOURS BEFORE BEGINNING ANY UTILITY CONSTRUCTION IN PUBLIC R.O.W. OR PUBLIC EASEMENT. THE CONTRACTOR SHALL NOTIFY ENGINEER AND THE INSPECTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITY LOCATIONS PRIOR TO ANY EXCAVATION. IN ADVANCE OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES TO BE EXTENDED, TIED TO, OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCES BY THE CONSTRUCTION OPERATIONS.
4. THE CONTRACTORS SHALL CONTACT TEXAS EXCAVATION SAFETY SYSTEM 1-800-344-8377 FOR UTILITY LOCATIONS PRIOR TO EXCAVATION.

CONSTRUCTION SEQUENCE

THE INTENT OF THIS SEQUENCING IS TO ARRANGE CONSTRUCTION OF WASTEWATER TREATMENT PLANT IMPROVEMENTS WITH A MINIMUM OF DISRUPTION AND WITH AS LITTLE WASTED EFFORT AND MATERIALS AS POSSIBLE.

1. PRECONSTRUCTION MEETINGS ATTENDED BY CONTRACTOR, ENGINEER, OWNER, COUNTY STAFF, AND COUNTY OFFICIALS, AS WELL AS GOVERNMENTAL REGULATORY AGENCIES.
2. LOCATE ALL UNDERGROUND UTILITIES AND OTHER OBSTRUCTIONS THROUGHOUT PROJECT.
3. STAKE ENTIRE PROJECT, PROVIDE TRAFFIC SAFETY & CONTROL MEASURES, PROVIDE TRENCH SAFETY SYSTEM, EROSION & SEDIMENTATION CONTROL MEASURES.
4. MAKE UTILITY RELOCATION AND ADJUSTMENT.
5. BEGIN CONSTRUCTION ON IMPROVEMENTS.
6. COMPLETE CONSTRUCTION.
7. PERFORM REQUIRED TESTS & REPORT FINDINGS TO ENGINEER/OWNER.
8. WALK THROUGH WITH OWNER, COUNTY OFFICIALS AND ENGINEER.
9. ADDRESS PUNCH LIST ITEMS.
10. FINAL WALK THROUGH, ENGINEER'S ACCEPETANCE.
11. COORDINATION-ALL PHASES OF CONSTRUCTION SHALL BE COORDINATED WITH THE ENGINEER AT ALL CRITICAL POINTS.

BENCHMARKS

1. EXIST. MONUMENT AT NORTH INTERSECTION OF F.M. 131 AND US HWY. 277. ELEV. 853.861'

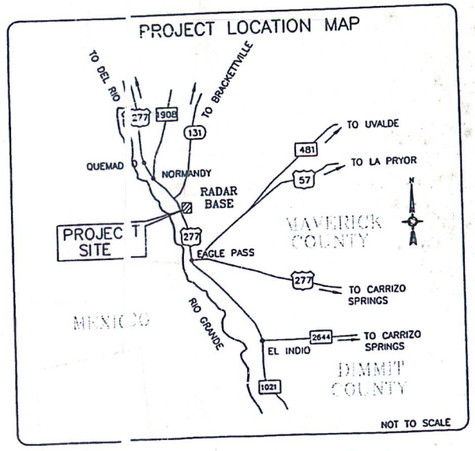
MAVERICK COUNTY RADAR BASE WWTP IMPROVEMENTS

THE STATE OF TEXAS

COUNTY OFFICIALS

JOSE A. ARANDA, J.R.	COUNTY JUDGE
ELIAS MALDONADO	COUNTY COMMISSIONER
RUDY HEREDIA	COUNTY COMMISSIONER
DAVID R. SAUCEDO	COUNTY COMMISSIONER
CESAR FLORES, J.R.	COUNTY COMMISSIONER

PROJECT LOCATION MAP



TCEQ PERMIT
MAVERICK COUNTY
TPDES NO. WQ0013716001

SHEET INDEX

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN ACCEPTING THESE PLANS, MAVERICK COUNTY MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

STATE OF TEXAS
DANIEL P. HEJL, JR.
68211
REGISTERED PROFESSIONAL ENGINEER
3/26/08

MAILING ADDRESS

MAVERICK COUNTY
500 QUARRY STREET
EAGLE PASS, TX 78852
(830) 773-3824

UTILITY PROVIDERS

TIME WARNER COMMUNICATIONS
SOUTHWESTERN BELL TELEPHONE CO.
MAVERICK COUNTY WCID #1
AEP ENERGY

HEJL, LEE & ASSOCIATES, INC.
ENGINEERING • SURVEYING • PLANNING
601 FARLEY DRIVE, AUSTIN, TEXAS 78753
PH. (512) 836-1848 FAX (512) 836-6499

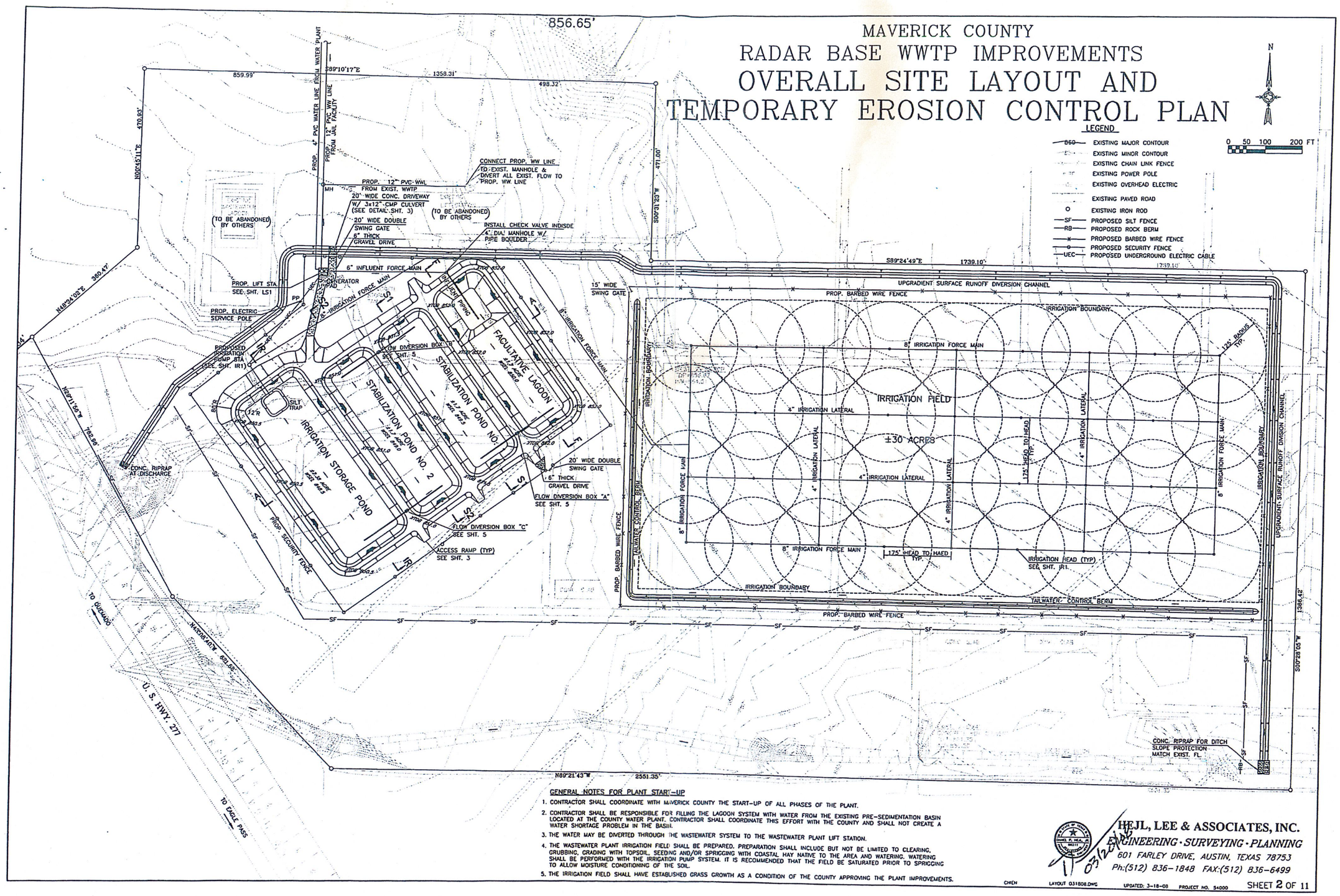
UPDATED: 3-18-08

PROJECT NO. 54000 54000-1.DWG FND

MAVERICK COUNTY

RADAR BASE WWTP IMPROVEMENTS

OVERALL SITE LAYOUT AND TEMPORARY EROSION CONTROL PLAN



GENERAL NOTES FOR PLANT START-UP

1. CONTRACTOR SHALL COORDINATE WITH MAVERICK COUNTY THE START-UP OF ALL PHASES OF THE PLANT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR FILLING THE LAGOON SYSTEM WITH WATER FROM THE EXISTING PRE-SEDIMENTATION BASIN LOCATED AT THE COUNTY WATER PLANT. CONTRACTOR SHALL COORDINATE THIS EFFORT WITH THE COUNTY AND SHALL NOT CREATE A WATER SHORTAGE PROBLEM IN THE BASIN.
3. THE WATER MAY BE DIVERTED THROUGH THE WASTEWATER SYSTEM TO THE WASTEWATER PLANT LIFT STATION.
4. THE WASTEWATER PLANT IRRIGATION FIELD SHALL BE PREPARED. PREPARATION SHALL INCLUDE BUT NOT BE LIMITED TO CLEARING, GRUBBING, GRADING WITH TOPSOIL, SEEDING AND/OR SPRIGGING WITH COASTAL HAY NATIVE TO THE AREA AND WATERING. WATERING SHALL BE PERFORMED WITH THE IRRIGATION PUMP SYSTEM. IT IS RECOMMENDED THAT THE FIELD BE SATURATED PRIOR TO SPRIGGING TO ALLOW MOISTURE CONDITIONING OF THE SOIL.
5. THE IRRIGATION FIELD SHALL HAVE ESTABLISHED GRASS GROWTH AS A CONDITION OF THE COUNTY APPROVING THE PLANT IMPROVEMENTS.

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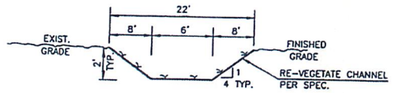
CHEN LAYOUT 031808.DWG UPDATED: 3-18-08 PROJECT NO. 54000



UPGRADIENT SURFACE RUNOFF DIVERSION CHANNEL DETAIL

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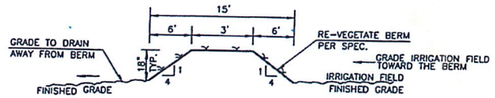

TAILWATER CONTROL BERM DETAIL

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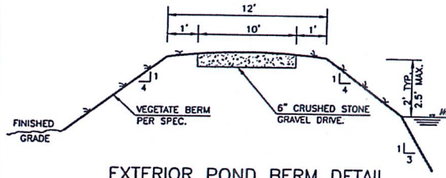

EXTERIOR POND BERM DETAIL

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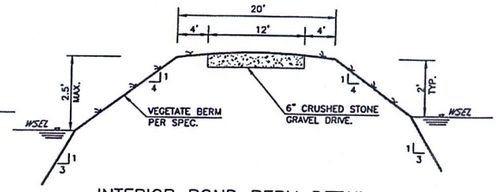

INTERIOR POND BERM DETAIL

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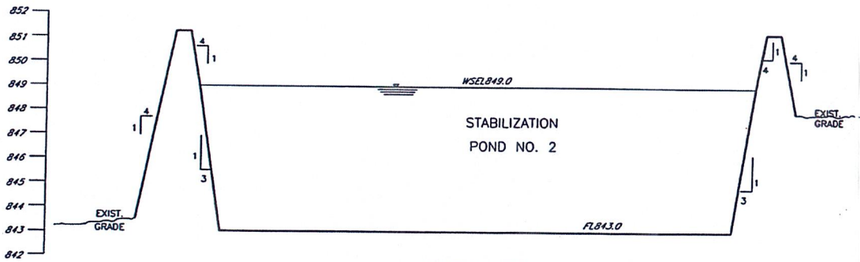

SECTION S2–S2

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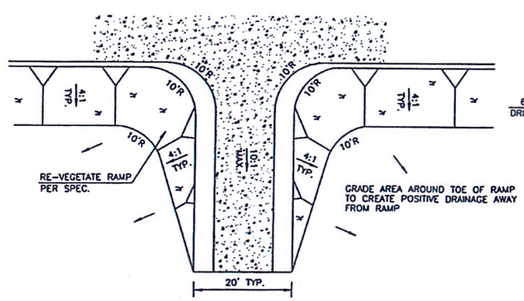

POND ACCESS RAMP DETAIL

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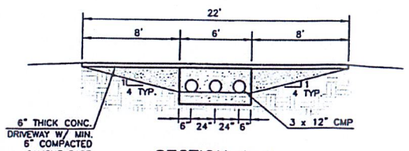

SECTION A–A

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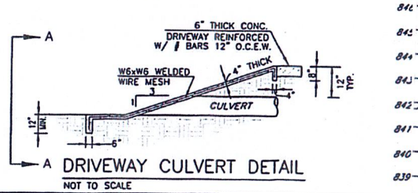
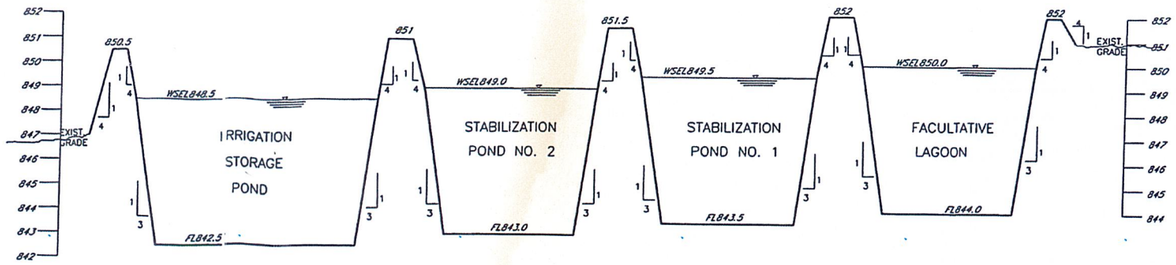


DRIVEWAY CULVERT DETAIL

NOT TO SCALE



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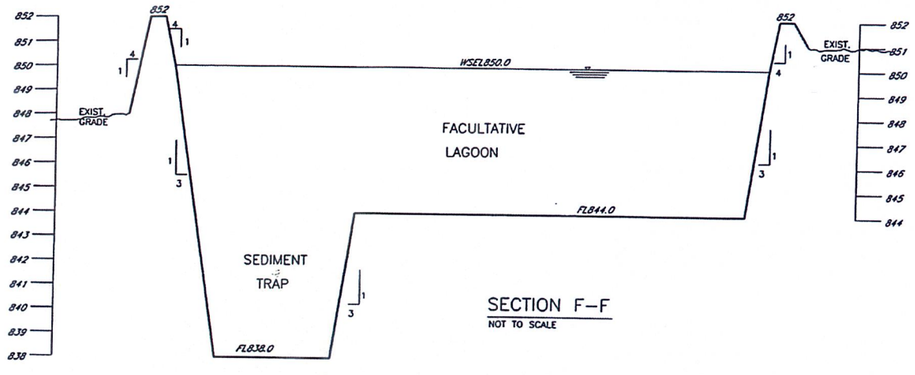

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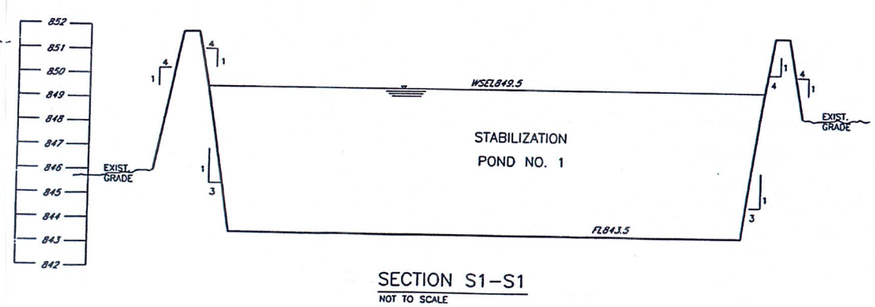

SECTION S1–S1

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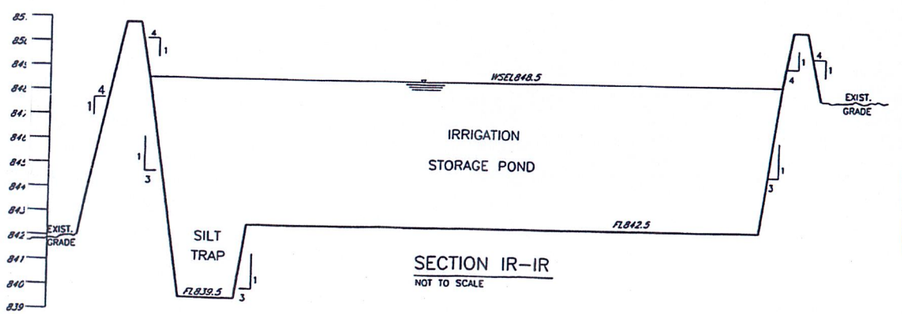

SECTION IR–IR

NOT TO SCALE

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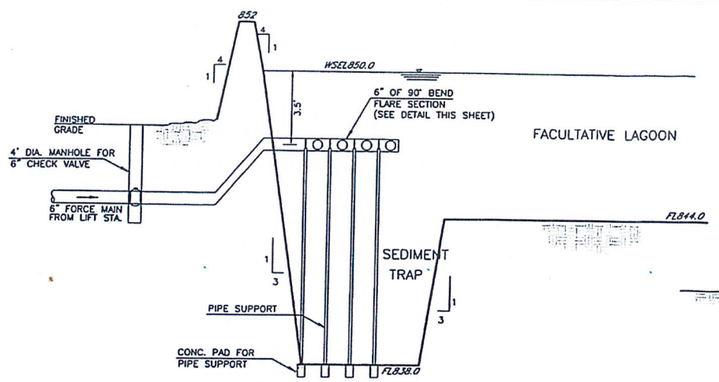
SCALE: AS SHOWN
DESIGN: CL
DRAWN: CL
CHECKED: CL
APPROVED: DPH

STATE OF TEXAS
DANIEL P. HEJL, JR.
68217
LICENSED PROFESSIONAL ENGINEER

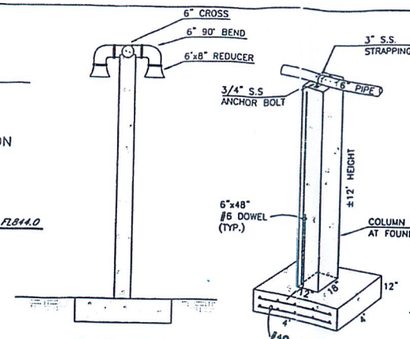
POND SECTIONS & DETAILS

MAVERICK COUNTY
RADAR BASE WWTP
IMPROVEMENTS

UPDATED: 3-19-08
PROJECT NO. 54000
SHEET OF 11 3
FILE NO. SECTIONS.DWG



INLET DETAIL
N.T.S.



FLARE DETAIL
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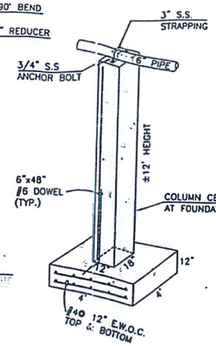

COLUMN DETAIL
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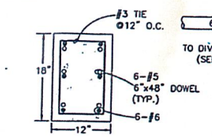

COLUMN SECTION
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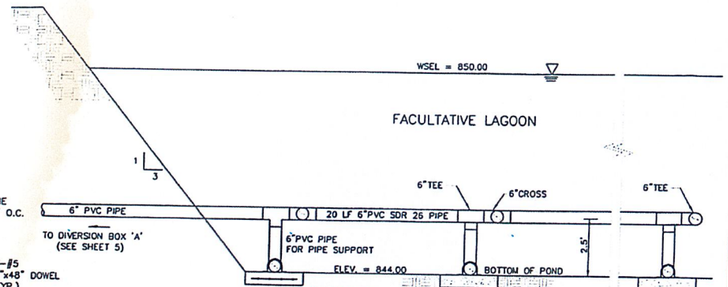
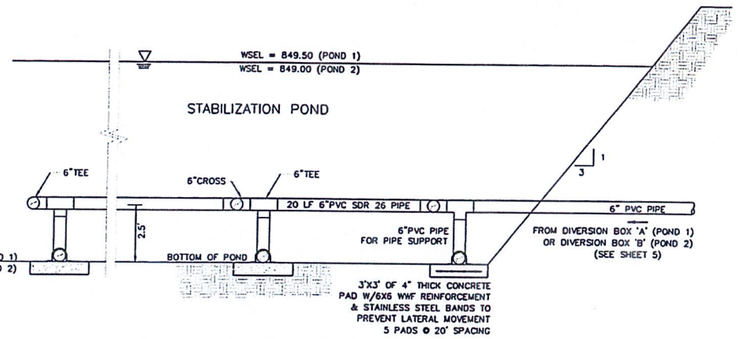


OUTLET DETAIL
N.T.S.

FACULTATIVE LAGOON
N.T.S.



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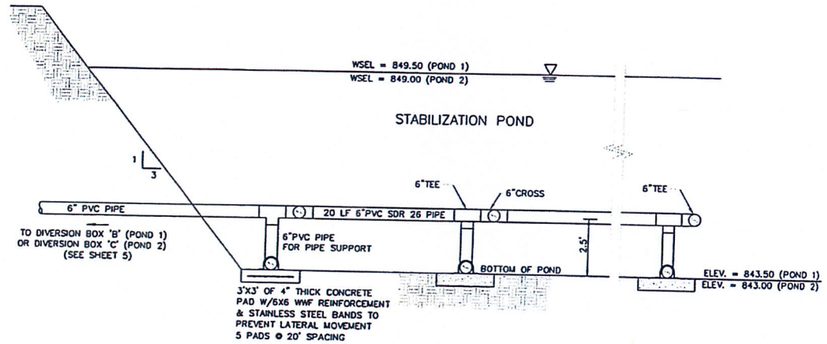
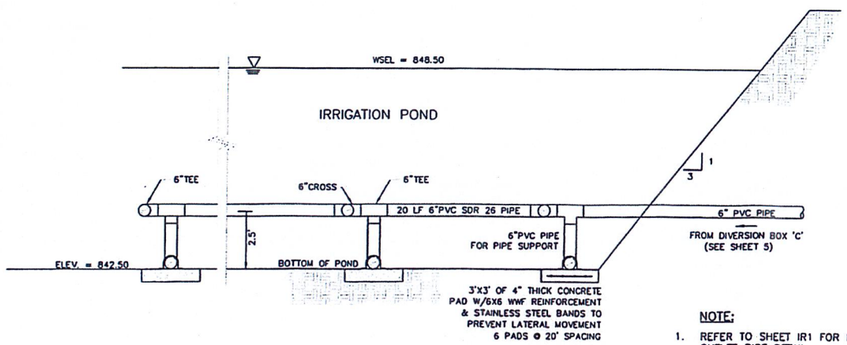


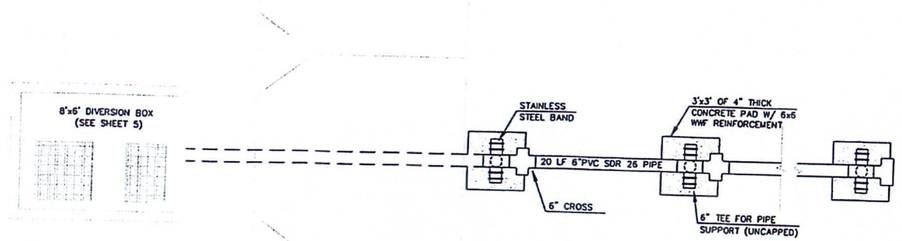
OUTLET DETAIL
N.T.S.

STABILIZATION POND
N.T.S.



NOTE:
1. REFER TO SHEET IR1 FOR IRRIGATION POND OUTLET PIPE DETAIL.

IRRIGATION POND INLET DETAIL
N.T.S.



TYPICAL PIPING PLAN VIEW
N.T.S.

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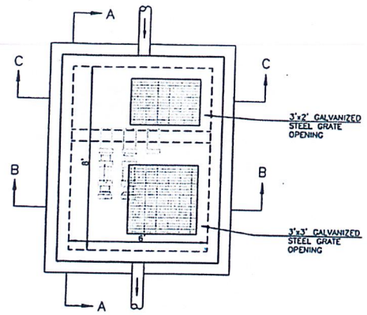
SCALE: AS SHOWN
DESIGN: CL
DRAWN: PND
CHECKED: CL
APPROVED: DPH

DANIEL P. HEJL, JR. 68211 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS

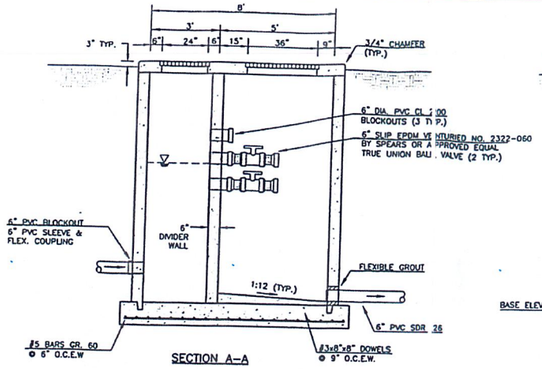
POND INLET & OUTLET DETAILS

MAVERICK COUNTY
RADAR BASE WWTP
IMPROVEMENTS

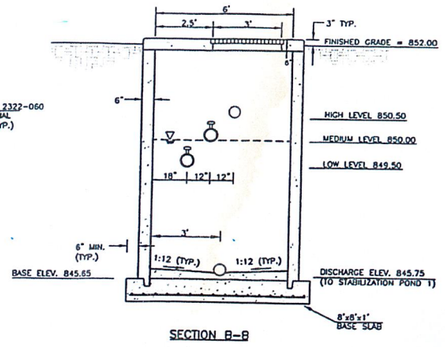
UPDATED: 3-19-08
PROJECT NO. 54000
SHEET OF 11 4
FILE: POND DETAILS.DWG



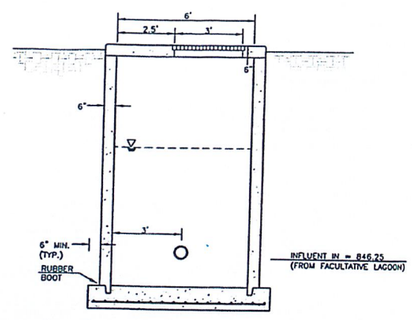
PLAN VIEW



SECTION A–A

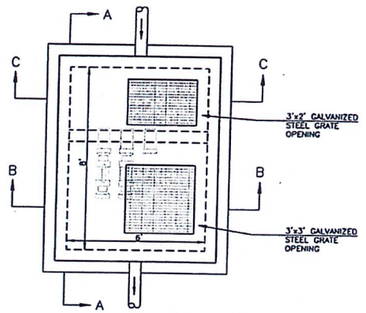


SECTION B–B

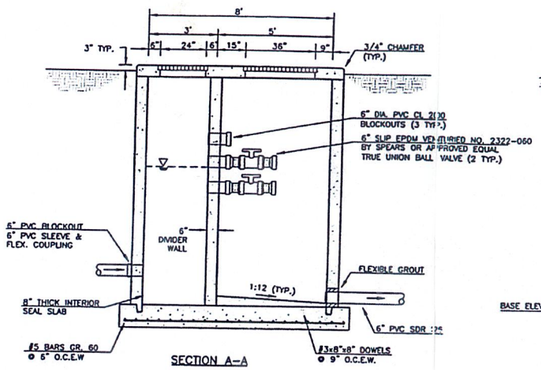


SECTION C–C

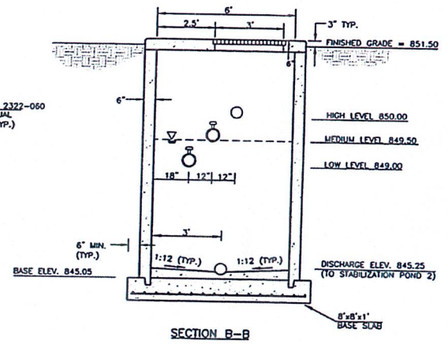
DIVERSION BOX 'A' DETAIL
N.T.S.



PLAN VIEW



SECTION A–A



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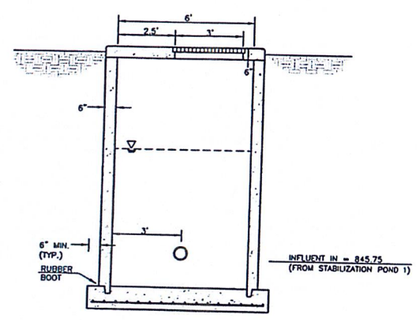
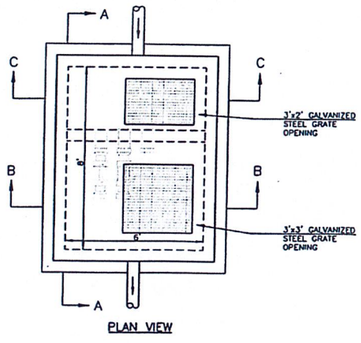
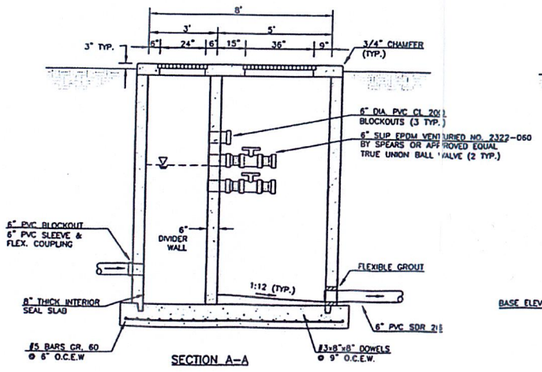


SECTION C–C

DIVERSION BOX 'B' DETAIL
N.T.S.



PLAN VIEW



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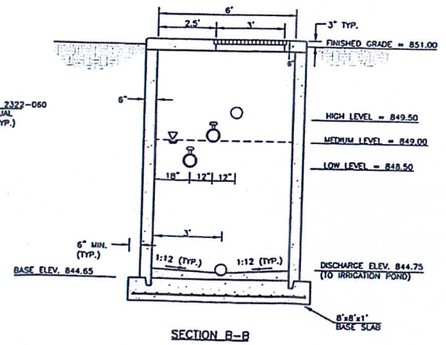

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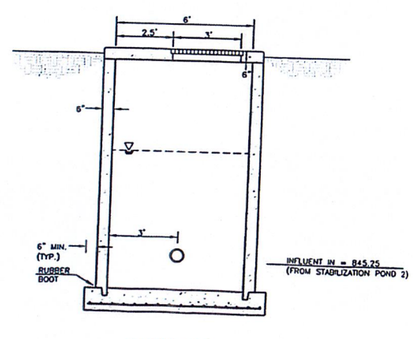

SECTION C–C

DIVERSION BOX 'C' DETAIL
N.T.S.

NOTE:

1. CONCRETE BOX SECTION SHALL BE ANCHORED TO BASE SLAB.
2. BASE SLAB SUBGRADE SHALL BE COMPACTED TO 95% SDP (6" MIN.).
3. ALL GALVANIZED STEEL GRATING SHALL BE H20 LOAD RATED.

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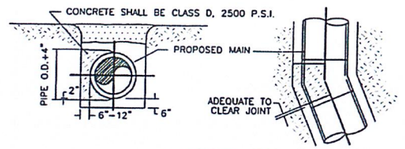
SCALE:	NTS
DESIGN:	CL
DRAWN:	FND
CHECKED:	CL
APPROVED:	DPH

STATE OF TEXAS — DANIEL P. HEJL, JR. — 84811 — LICENSED PROFESSIONAL ENGINEER

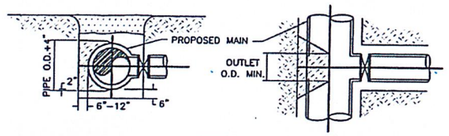
DIVERSION BOX DETAIL

MAVERICK COUNTY
RADAR BASE WWTP
IMPROVEMENTS

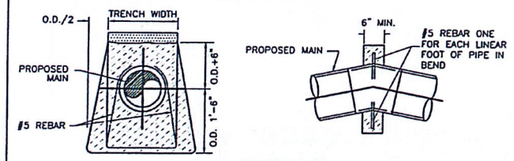
UPDATED:	3-19-08
PROJECT NO.	54000
SHEET OF 11	5
FILE NO.	54000-5.DWG



HORIZONTAL BEND



TEE/OUTLET



VERTICAL BEND

1. "THRUST BLOCK DESIGN" AS FOLLOWS
   A. PRESSURE OF 150 P.S.I. (ACTUAL IF HIGHER) 50% SURGE ALLOWANCE.
   B. MAXIMUM SOIL BEARING.

SOIL TYPE	PRESSURE
LIMESTONE	4000 LBS/SQ.FT.
UNDISTRUBED SOIL, CALICHE	2000 LBS/SQ.FT.
LOOSE GRAVEL OR SPONGY SOIL	1500 LBS/SQ.FT.

NOTES:

1. THE EARTH BEARING SURFACE SHALL BE UNDISTRUBED MATERIAL, IF NOT POSSIBLE, THE FILL BETWEEN THE BEARING SURFACE AND THE UNDISTRUBED SOIL MUST BE COMPACTED TO TO A MINIMUM OF 90% STANDARD PROCTOR DENSITY.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ADEQUATE THRUST BLOCKING. THE CONTRACTOR SHALL MAKE THE DETERMINATION IN THE FIELD AS TO TYPE OF SOIL AND USE THE "THRUST BLOCKING DESIGN" TO ADJUST THE AMOUNTS OF THRUST BLOCKING REQUIRED AT EACH PLACE OF USE.
3. ALL FITTINGS SHALL BE BLOCKED REGARDLESS OF THE ANGLE OF DIRECTION. NO CONCRETE THRUST BLOCKING TO BE USED ON THE ENDS OF STUBOUTS TO HOLD THE PLUG OF THE PIPING IN PLACE.

CONCRETE THRUST BLOCKING DETAIL

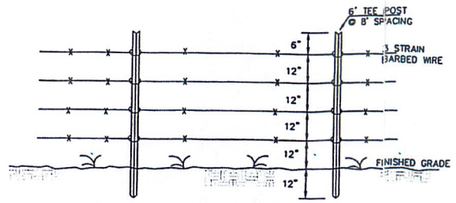
SCALE: NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL PLACE THE WWTP SIGN COMPLETE WITH THE EMERGENCY CONTACT NUMBER IN FRONT OF THE ACCESS GATE.
2. THE WWTP SIGN SHALL BE MADE FROM AT LEAST 0.08" THICK ALUMINUM AND PAINTED WITH REFLECTIVE MATERIAL.
3. CONTRACTOR TO COORDINATE EMERGENCY CONTACT NUMBER TO BE PLACED ON WWTP SIGN WITH THE COUNTY.

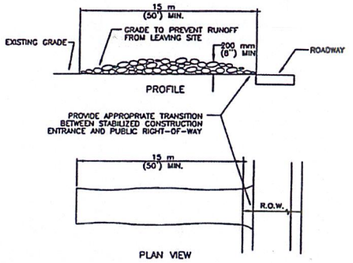
SIGN DETAIL

N.T.S



BARBED WIRE FENCE DETAIL

N.T.S.



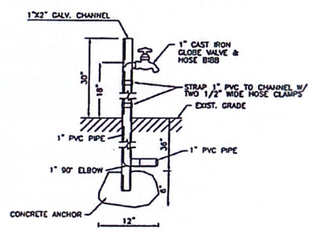
PLAN VIEW

NOTES:

1. STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 m (50').
3. THICKNESS: NOT LESS THAN 200 mm (8").
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

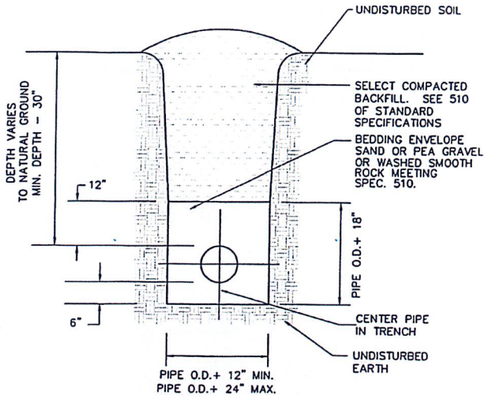
STABILIZED CONSTRUCTION ENTRANCE DETAIL

N.T.S.



TYPICAL HOSE BIBB DETAIL

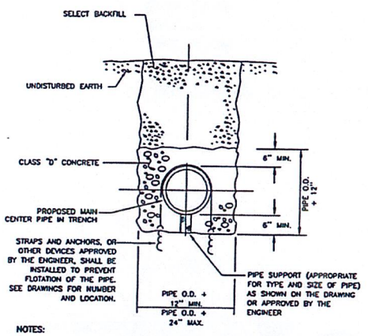
N.T.S.



ELEVATION

TRENCH WITH UNFINISHED SURFACE

N.T.S.

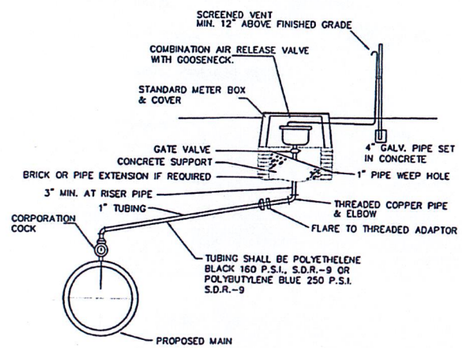


NOTES:

1. BEGINNING AND ENDING OF ENCASEMENTS SHALL NOT BE MORE THAN SIX INCHES (6") FROM A PIPE JOINT.
2. ALL CONCRETE ENCASEMENTS MUST BE FORMED AND INSPECTED BY THE CITY INSPECTOR PRIOR TO PLACING CONCRETE AND BACKFILLING.

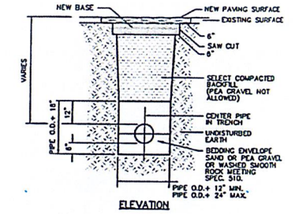
CONCRETE ENCASEMENT

N.T.S.



1" AUTOMATIC AIR/VACUUM RELEASE VALVE

N.T.S.



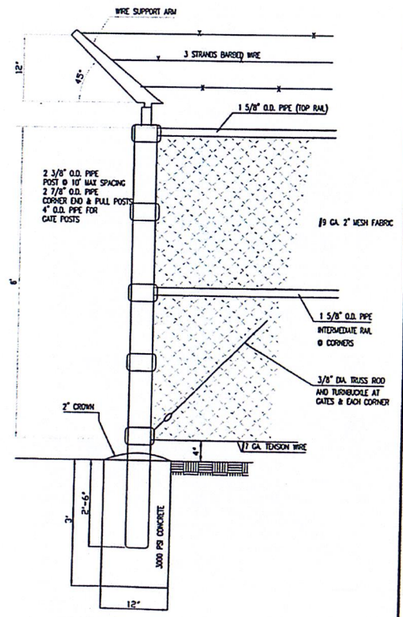
ELEVATION

NOTES

1. THE EXISTING PAVING SURFACE SHALL BE CUT IN A STRAIGHT LINE, A MINIMUM OF 12 INCHES WIDER THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMMETRICAL ABOUT THE CENTER-LINE OF THE EXCAVATION.
2. ANY CONCRETE PAVING SHALL BE CUT 6 INCHES WIDER THAN UNDISTURBED SIDES OF EXCAVATION.
3. IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE, THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH COLD MIX OR FLEXIBLE BASE MATERIAL.
4. ROAD BASE AND SURFACE MATERIALS SHALL BE REPLACED IN KIND, OF EQUAL THICKNESS, WITH MINIMUM BASE THICKNESS OF 8 INCHES.
5. BEDDING ENVELOPE MATERIAL CAN BE EXCAVATED MATERIAL BUT SHALL BE FREE OF STONES AND ROCKS OVER 3 INCHES IN DIAMETER AND MECHANICALLY COMPACTED IN 6 INCH LIFTS TO STANDARD 95% PROCTOR DENSITY.

TRENCH WITH PAVED SURFACE

SCALE: NOT TO SCALE



CHAIN LINK FENCE DETAIL

ALL PARTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION

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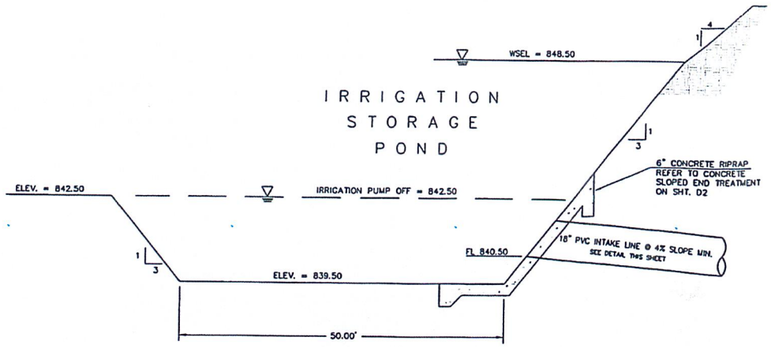
SCALE: N.T.S. | DESIGN: CL | DRAWN: FND | CHECKED: CL | APPROVED: DPH

STATE OF TEXAS · DANIEL P. HEJL, JR. · 68211 · REGISTERED PROFESSIONAL ENGINEER

DETAILS

MAVERICK COUNTY RADAR BASE WWTP IMPROVEMENTS

UPDATED: 3-19-08
PROJECT NO. 54000
SHEET OF 11 D1
FILE NO. 54000-D1.DWG



INLET PIPE DETAIL
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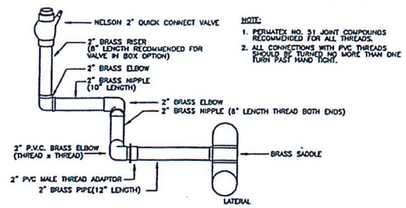
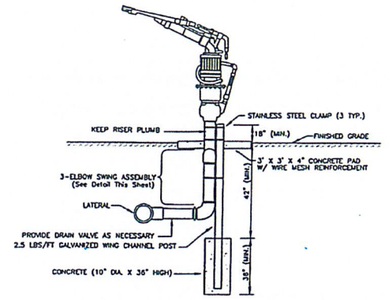
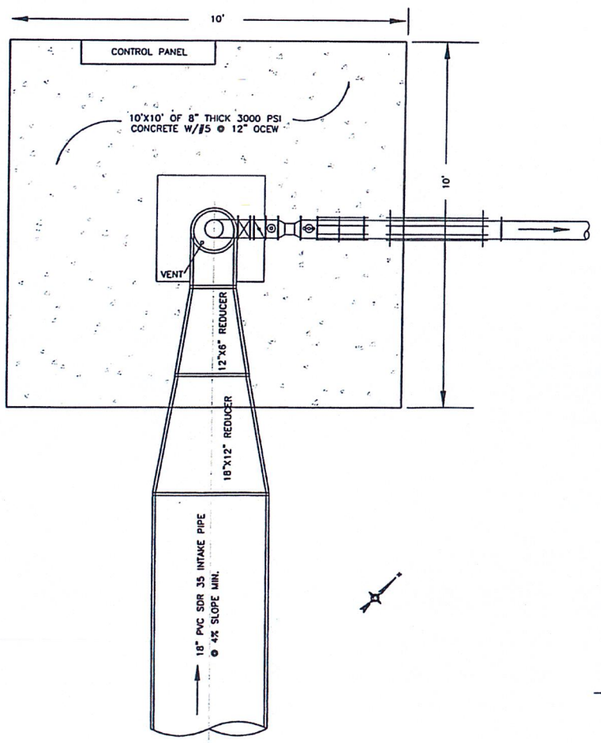


3-ELBOW SWING CONNECTION
(36 EA.)
N.T.S.

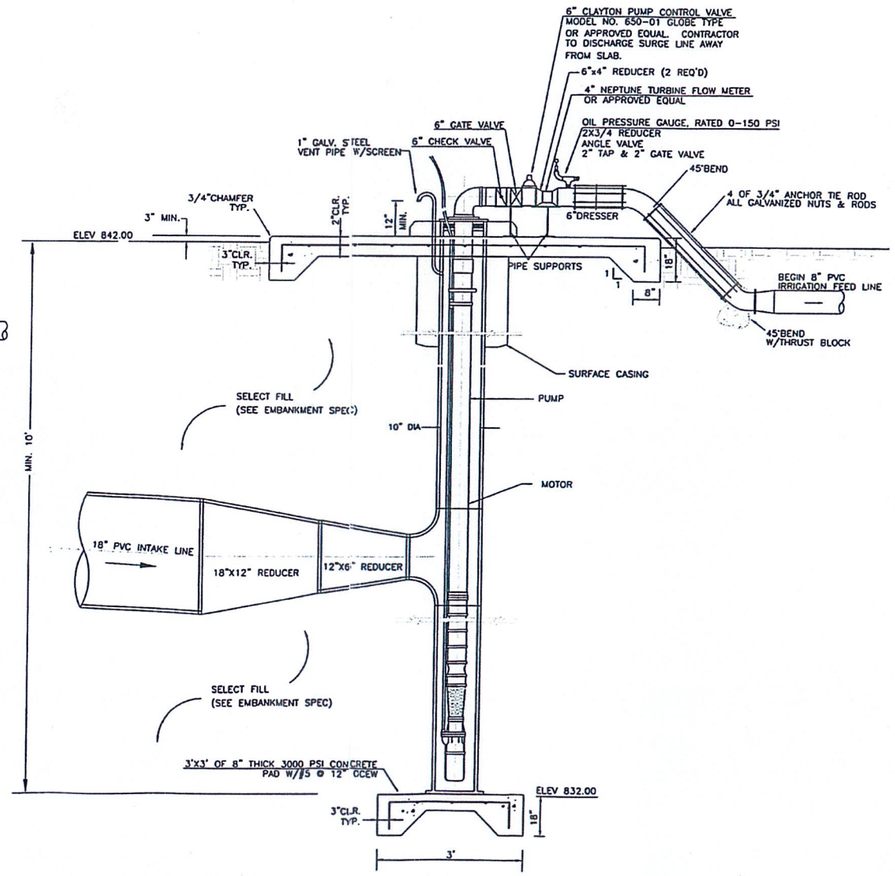


NOTES
1. SPRAY GUN SHALL BE NELSON BIG GUN MODEL F100 WITH 100TR TAPER RING NOZZLE MODEL NO. 9257-016 (4 REQUIRED) OR ENGINEER APPROVED EQUAL.
2. CONTRACTOR SHALL PROVIDE FOUR (4) BIG GUNS AS A PART OF THIS CONTRACT.

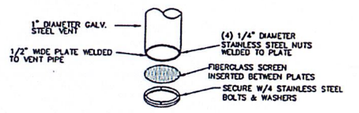
IRRIGATION HEADER CONNECTION
WITH WING CHANNEL POST STABILIZER
N.T.S.



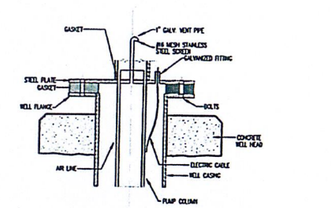
PLAN VIEW
N.T.S.



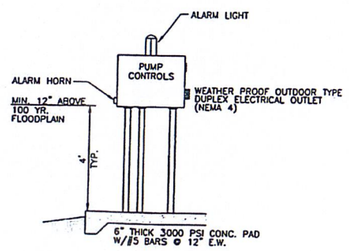
IRRIGATION PUMP STATION ELEVATION
N.T.S.



VENT SCREEN DETAIL
N.T.S.



PUMP HEAD DETAIL
N.T.S.



CONTROL PANEL DETAIL
N.T.S.

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SCALE:	N.T.S.		
DESIGNED:	CL		
DRAWN:	FND		
CHECKED:	CL		
APPROVED:	DPH		

STATE OF TEXAS
DANIEL P. HEJL, JR.
68211
REGISTERED PROFESSIONAL ENGINEER

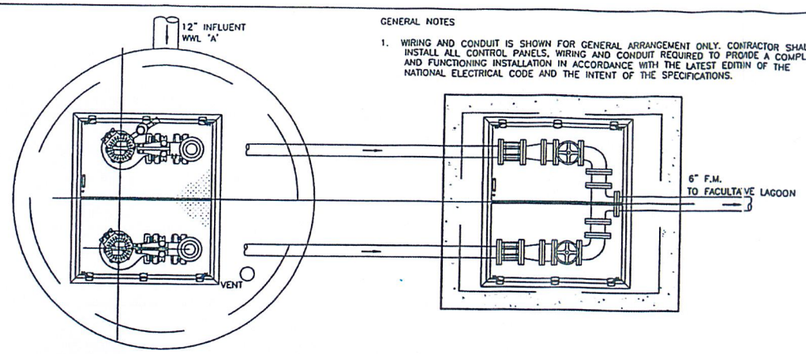
IRRIGATION PUMP DETAILS

MAVERICK COUNTY
RADAR BASE WWTP
IMPROVEMENTS

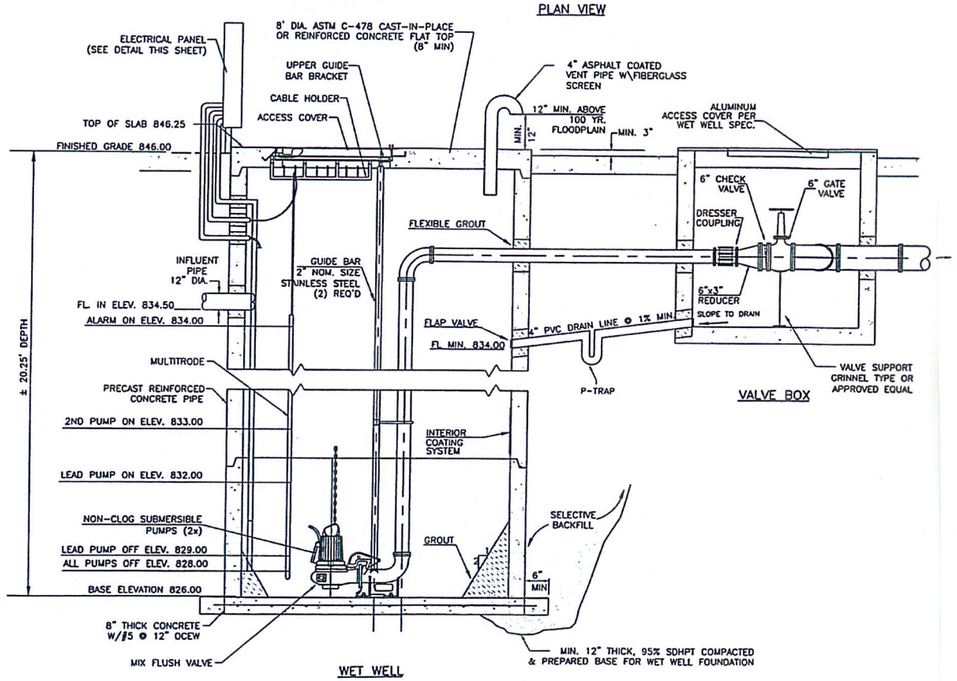
UPDATED:	3-19-08
PROJECT NO.	54000
SHEET OF 11	IR1
FILE NO.	54000-IR3.DWG

GENERAL NOTES

1. WIRING AND CONDUIT IS SHOWN FOR GENERAL ARRANGEMENT ONLY. CONTRACTOR SHALL INSTALL ALL CONTROL PANELS, WIRING AND CONDUIT REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING INSTALLATION IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND THE INTENT OF THE SPECIFICATIONS.

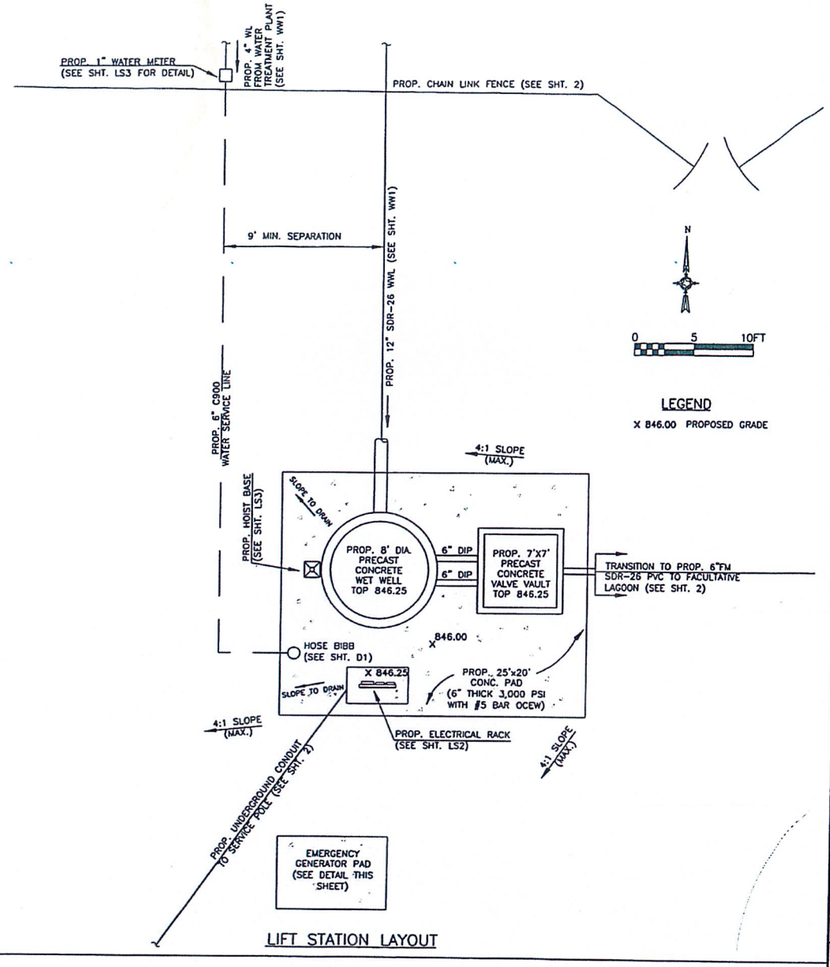


PLAN VIEW

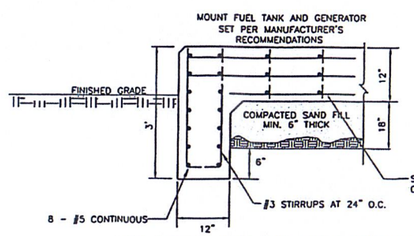


WET WELL

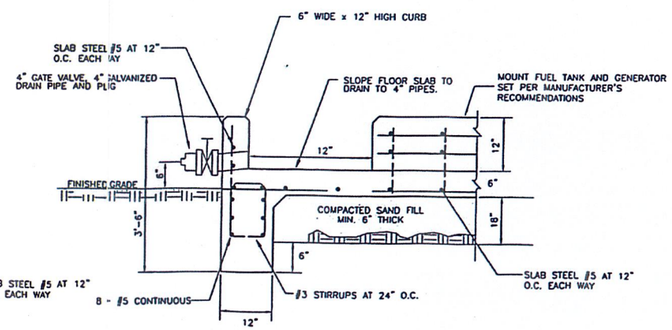
LIFT STATION ELEVATION
N.T.S.



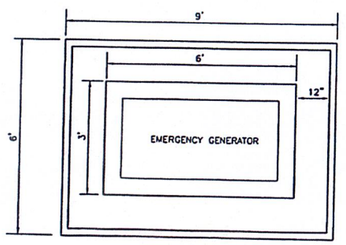
LIFT STATION LAYOUT



PAD SECTION W/O FUEL SPILL CONTAINMENT
N.T.S.



PAD SECTION W/ FUEL SPILL CONTAINMENT
N.T.S.



EMERGENCY GENERATOR PAD
N.T.S.

NOTES

1. CONTRACTOR SHALL COORDINATE SIZE OF SLAB WITH EMERGENCY GENERATOR SUPPLIER.
2. CONTRACTOR SHALL INSTALL CONCRETE PAD WITH FUEL SPILL CONTAINMENT IF THE PROPOSED GENERATOR DOES NOT HAVE BUILT IN FUEL CONTAINMENT WITH ALARM.
3. CONTRACTOR TO INSTALL DRAIN VALVE AND PIPE ON THE WEST SIDE OF SLAB. GRADE TO DRAIN AWAY FROM SLAB(S).

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APPROVED: DPH

DANIEL P. HEJL, JR. 68211 LICENSED PROFESSIONAL ENGINEER

LIFT STATION LAYOUT AND DETAILS

MAVERICK COUNTY RADAR BASE WWTP IMPROVEMENTS

UPDATED: 3-18-08
PROJECT NO. 54000
SHEET OF 11 LS1
FILE NO. 54000-LS1.DWG

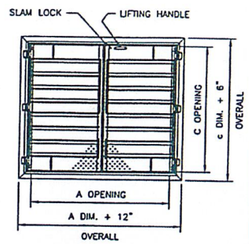
KEYNOTES:

1. WET WELL SHALL BE COATED INSIDE WITH A 100% SOLIDS, CORROSION RESISTANT EPOXY COATING PER MANUFACTURER'S RECOMMENDATIONS TO A DFT OF 50 MILLS WITH RAVEN 405 OR ENGINEER APPROVED EQUAL.
2. THE WET WELL ACCESS COVER SHALL BE AN ALUMINUM DOOR AND FRAME ASSEMBLY WITH SAFETY HATCH/GRATE. MFG. TO PROVIDE LIFETIME WARRANTY ON ACCESS HATCH AND ITS COMPONENTS. PUMP SUPPLIER SHALL PROVIDE ACCESS COVER TO THE WET WELL TO ENSURE COMPATIBILITY WITH SUPPLIED EQUIPMENT. ACCESS FRAME SHALL HAVE DRAIN CHANNEL WITH A DRAIN PIPE TO ALLOW WATER TO DRAIN FROM ACCESS FRAME. COORDINATE SIZE WITH PUMP SUPPLIER.
3. 300 SERIES STAINLESS STEEL GUIDE RAILS FOR EACH PUMP MUST BE SUPPLIED BY THE PUMP MANUFACTURER TO ENSURE COMPATIBILITY WITH SUPPLIED EQUIPMENT. THE PUMP SHALL BE EASILY REMOVED FOR INSPECTION OR SERVICE. PERSONNEL SHALL HAVE NO REASON TO ENTER THE WET WELL
4. THE GUIDE BRACKETS SHALL BE CONSTRUCTED OF 300 SERIES STAINLESS STEEL. GUIDE BRACKETS FOR EACH PUMP MUST BE SUPPLIED BY THE PUMP MANUFACTURER TO ENSURE COMPATIBILITY WITH SUPPLIED EQUIPMENT.
5. EACH PUMPING UNIT SHALL BE PROVIDED WITH A STAINLESS STEEL GRIP EYE LIFTING SYSTEM. LIFTING SYSTEM SHALL EXTEND AT LEAST 3-4 FEET ABOVE WET WELL.
6. FLOAT SYSTEM SHALL BE USED TO CONTROL LEVEL WITHIN THE WET WELL. COORDINATE SETTING OF LEVELS WITH THE CITY.
7. ALL HARDWARE IN THE WET WELL SHALL BE 300 SERIES STAINLESS STEEL.
8. ALL STATIONARY PIPING USED IN THE LIFT STATION SHALL BE DUCTILE IRON PIPE. DUCTILE IRON FITTINGS MUST BE COATED INSIDE AND OUT WITH CORROSION RESISTANT EPOXY COATING. ALL HARDWARE MUST BE 300 SERIES STAINLESS STEEL.
9. PUMP DISCHARGE LINES SHALL HAVE 1/2-INCH TAPS WITH STAINLESS STEEL OR BRONZE BALL VALVES.
10. ALL DISCHARGE LINES SHALL HAVE ADEQUATE THRUST SUPPORT MEMBERS AT EACH FITTING. WHERE POSSIBLE, LONG RADIUS 90 DEGREE BENDS SHALL BE USED.
11. THE DISCHARGE LINE FROM EACH PUMP SHALL BE FITTED WITH A CHECK VALVE AND A GATE VALVE, WITH THE CHECK VALVE ON THE PUMP SIDE OF THE GATE VALVE.
12. THE VALVE VAULT SHALL BE SIZED LARGE ENOUGH TO PROVIDE AT LEAST 1 FOOT OF CLEARANCE AROUND ALL VALVES AND 6-INCHES OF CLEARANCE TO ALL FLANGES. THE DOOR OF THE VAULT SHALL BE AS INDICATED ON DRAWING AND SHALL BE ABLE TO BE PADLOCKED. FLOOR OF VALVE VAULT TO BE COATED WITH SAME COATING AS WET WELL TO 50 MILLS DFT AND SHALL HAVE APPROX. 5-7 LBS SILICA SAND BROADCAST ON STILL WET FLOOR TO PROVIDE SKID RESISTANCE.
13. THE VALVE VAULT SHALL HAVE A DRAIN TO THE WET WELL. THE DRAIN SHALL BE 4-INCH MINIMUM DIAMETER AND BE FITTED WITH A FLAP VALVE OR BACK-FLOW PREVENTER AND A P-TRAP TO PREVENT GASES OR WATER FROM ENTERING THE VALVE VAULT. THE OPENING TO THE DRAIN SHALL BE COVERED WITH A FIBERGLASS SCREEN.
14. VENT SHALL BE COATED INSIDE AND OUT WITH WET WELL COATING SYSTEM. THE VENT SHALL BE FITTED WITH A FIBERGLASS SCREEN & S.S. CLAMPS.
15. BACKFILL, EXCAVATION HOLES FOR WET WELL AND VALVE VAULT WITH SELECT FILL MATERIAL. NO CLAY IN BACKFILL WITHIN 8 FEET OF RCP. NOTIFY ENGINEER 48 HOURS PRIOR TO BACKFILLING WET WELL & VALVE VAULT FOR HIS INSPECTION DURING BACKFILLING OR MATERIAL MAY NOT BE ACCEPTED.
16. PIPE AND CONDUIT PENETRATIONS IN WET WELL AND VALVE VAULT SHALL BE SEALED WITH CORROSION RESISTANT FLEXIBLE GROUT.
17. CONCRETE FOR VALVE BOX, WET WELL, AND TOPS SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 4500 PSI AT 28 DAYS. CONCRETE FOR SLAB SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONCRETE CYLINDERS & TESTING AT HIS EXPENSE. MINIMUM 3 CYLINDERS PER CONCRETE TRUCK.
18. THE EDGE OF EXPOSED CONCRETE SLAB(S) SHALL RECEIVE A 3/4" CHAMFER.
19. REINFORCING STEEL SHALL BE GRADE 60.
20. DUCTILE IRON PIPING AND FITTINGS SHALL HAVE A NON-CORROSIVE EPOXY LINING (PROTECTO 401 OR ENGINEER APPROVED EQUAL) TO 40 MILS DFT. JOINTS SHALL HAVE FULL FACE GASKETS WITH A MIN. THICKNESS OF 1/8". FLANGES SHALL BE DUCTILE IRON- 250 PSI PRESSURE RATED.
21. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR CONSTRUCTION.
22. ALL FORCE MAIN BENDS NOT FLANGED ARE TO HAVE JOINT RESTRAINING SYSTEM.
23. PROVIDE LOCKS & 3 SETS OF KEYS ON WET WELL, VAULT ACCESS DOORS, LIFT STATION ACCESS GATES & HINGED ELECTRICAL PANELS.
24. TOP FOR WET WELL AND VALVE BOX SHALL HAVE A STRUCTURAL DESIGN BASED ON AASHTO HS20 LOADING.

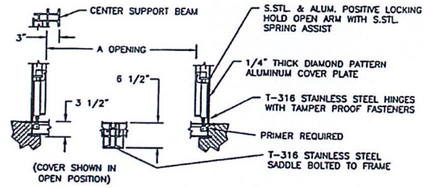
STANDARD FEATURES:

AT A MINIMUM THE ACCESS HATCH SHALL PROVIDE FOR THE FOLLOWING ITEMS:

- AUTO-LOCK T-316 STAINLESS STEEL HOLD OPEN ARM WITH RELEASE HANDLE
- T-316 STAINLESS STEEL HINGES AND ATTACHING HARDWARE
- T-316 STAINLESS STEEL SLAM LOCK W/REMOVABLE KEY
- STAINLESS STEEL COMPRESSION SPRING ASSIST
- BUILT-IN NEOPRENE CUSHION/GASKET
- NON-OZONE DEPLETING BITUMINOUS COATING
- DOUBLE LEAF CONSTRUCTION
- H20 LOAD RATING (SEE NOTES)
- EXTRUDED ALUMINUM FRAME
- RECESSED LIFTING HANDLE
- LIFETIME GUARANTEE



PLAN



SECTION

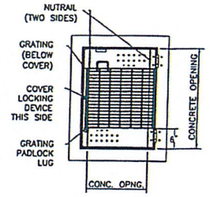
LOCATION	MODEL NO.	DIMENSIONS		
		A	C	SAFETY GRATING
VALVE VAULT	H2RS448	54"	48"	NO
WET WELL	HDRS448	54"	48"	YES

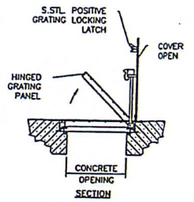
HALLIDAY PRODUCTS
www.HallidayProducts.com
Phone 800-298-1027
Fax 407-298-4534
Sales@HallidayProducts.com

NOTES

1. CONTRACTOR SHALL VERIFY ACCESS DOOR SIZE WITH PUMP SUPPLIER TO ENSURE PUMPS CAN BE REMOVED FROM WET WELL.
2. WET WELL ACCESS DOOR SHALL HAVE TWO INDIVIDUAL ACCESS DOORS AND SAFETY GRATES FOR EACH PUMP.
3. H2R ACCESS DOOR IS SUITABLE FOR USE IN OFF STREET LOCATION WHERE NOT SUBJECTED TO HIGH DENSITY TRAFFIC.
4. CONTRACTOR MUST PROVIDE A FULL BED OF CLASS "A" CONCRETE UNDER FRAME AND SUPPORT ANGLES.

ACCESS HATCH
N.T.S.





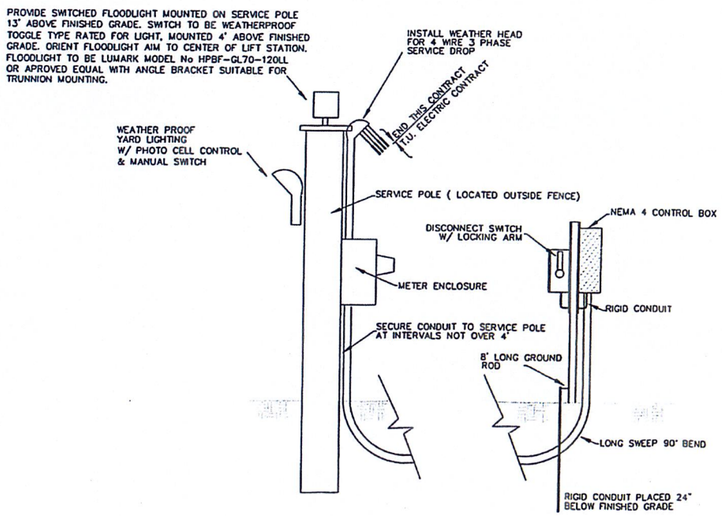
SECTION

STANDARD FEATURES:

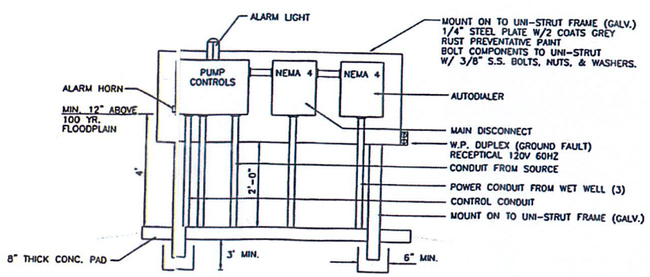
AT A MINIMUM THE SAFETY GRATE SHALL PROVIDE FOR THE FOLLOWING ITEMS:

- ALUMINUM "I" BAR CONSTRUCTION
- ALL T-316 STAINLESS STEEL HARDWARE
- LOCKABLE WITH OWNER-SUPPLIED PADLOCK
- HINGED WITH POSITIVE LATCH TO MAINTAIN UPRIGHT POSITION
- LOAD RATED CONSISTENT WITH ACCESS COVER
- VIEW AREA FOR OBSERVATION AND LIMITED MAINTENANCE
- SAFETY ORANGE POWDER-COATED FINISH
- NUTRAIL WITH STAINLESS STEEL SPRING NUTS (300 P.S.F. LOADED DOORS ONLY)
- LIFETIME GUARANTEE

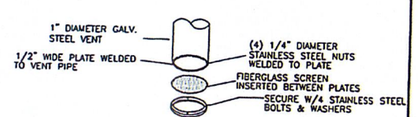
SAFETY GRATING PANEL
N.T.S.



SERVICE POLE DETAIL
NTS



CONTROL PANEL DETAIL
NTS



VENT SCREEN DETAIL
NTS

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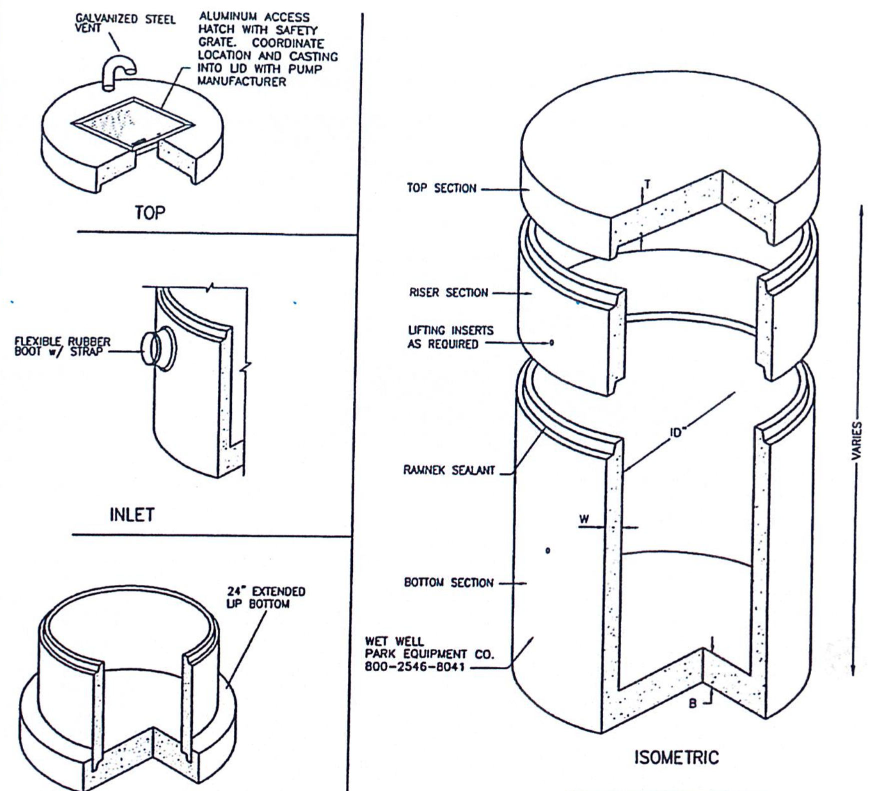
DANIEL P. HEJL, JR. 68211 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS

LIFT STATION DETAILS

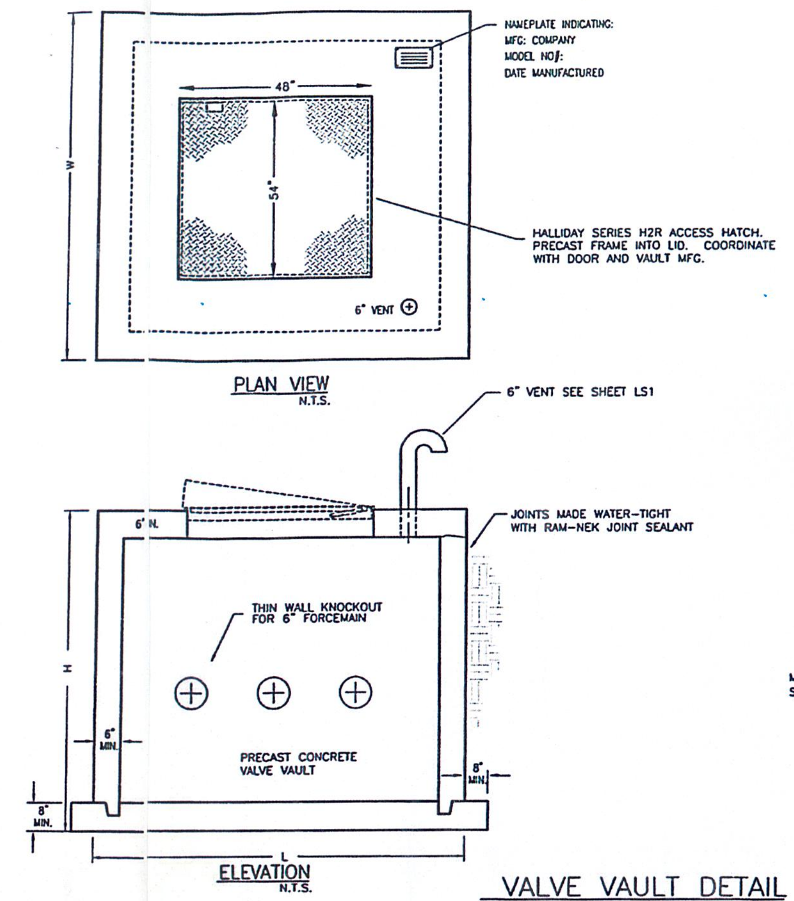
MAVERICK COUNTY
RADAR BASE WWTP
IMPROVEMENTS

UPDATED: 3-19-08
PROJECT NO. 54000
SHEET OF 11 LS2
FILE NO. 54000-LS2.DWG



DIMENSIONS AND WEIGHTS				
I.D. SIZE (in)	W (in)	B (in)	T (in)	RISER WT/FT (lb)
96	9	8	12	3090

WET WELL
N.T.S.



NOTES

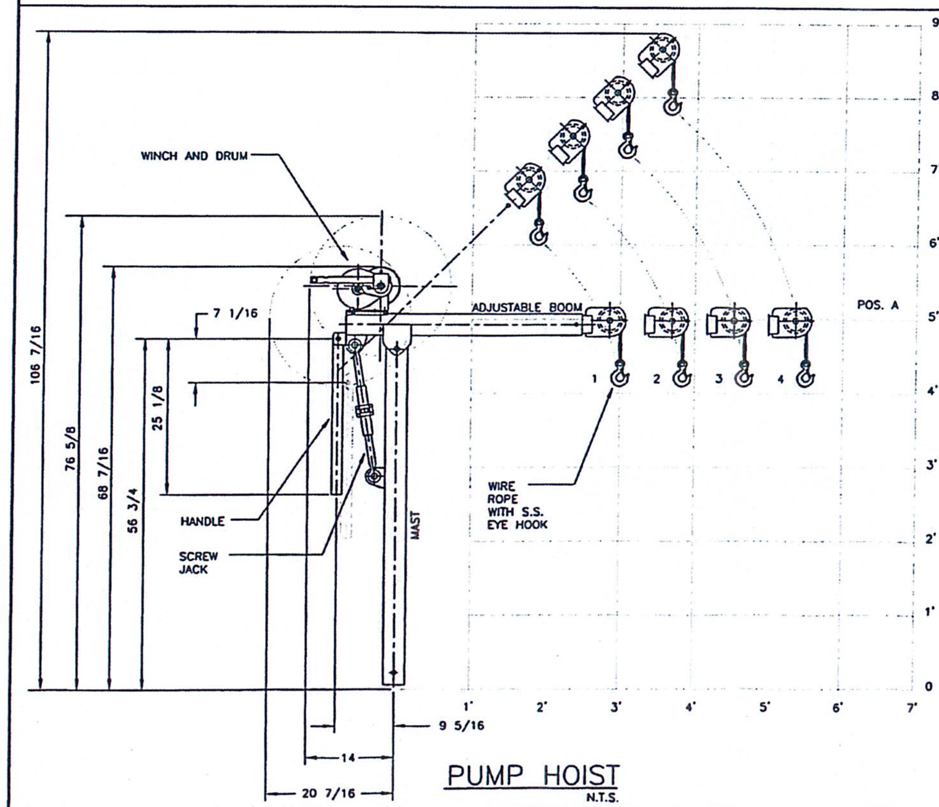
1. CLASS 1 CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH.
2. BASIN AND WET WELL SHALL BE DESIGNED FOR H-20-44 LOADING WITH GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
3. CONTRACTOR SHALL COORDINATE LOCATION OF ALL KNOCKOUTS, INLET/OUTLETS, AND CONDUIT PENETRATIONS IN THE WET WELL AND VALVE VAULT WITH THE PUMP MANUFACTURER PRIOR TO INSTALLATION.
4. ALL JOINTS SHALL BE SEALED WITH RAM-NECK OR EQUAL JOINT SEALING COMPOUND.
5. WET WELL AND VAULT SHALL BE PLACED ON MIN. 8" STABILIZED BASE COMPACTED TO 98% STANDARD DENSITY PROCTOR EXTENDING A MIN. 18" OUTSIDE LIMITS OF STRUCTURE.
6. SEE SHEET LS1 AND LS2 FOR ANY ADDITIONAL NOTES REGARDING THE CONSTRUCTION AND PLACING OF THE WET WELL AND VALVE VAULT.

VALVE VAULT SCHEDULE		
LENGTH L	WIDTH W	HEIGHT H
7'	7'	7'-0"

MINIMUM INSIDE DIMENSION OF VAULT SHALL BE 6'(L)x6'(W)x6'(H).

PARK EQUIPMENT COMPANY
"Expect the Best"
PRECAST CONCRETE WETWELL & VALVE VAULT

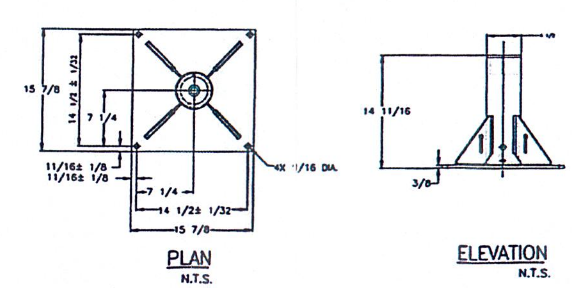
VALVE VAULT DETAIL
N.T.S.



PUMP HOIST
N.T.S.

SERIES 5110 PORTABLE DAVIT CRANE
- UP TO 1000 LBS CAPACITY
- STAINLESS STEEL SPUR GEAR HAND WINCH
- 36 FT. OF 304 STAINLESS STEEL 1/4 IN. WIRE ROPE WITH SS EYE HOOK AND SWAGED BALL FITTING
- STAINLESS STEEL FINISH

INDEPENDENT BASE	
SOCKET MODEL #	FOR HOIST MODELS
5105S	51110

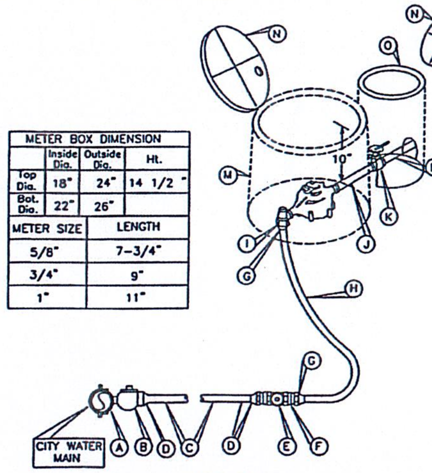


HOST BASE
N.T.S.

THERN INCORPORATED
5712 INDUSTRIAL PARK ROAD
PO BOX 347
WINONA, MN 55987
PHONE (507) 454-2996
FAX (507) 454-5282

METER BOX DIMENSION			
	Inside Dia.	Outside Dia.	Ht.
Top Dia.	18"	24"	14 1/2 "
Bot. Dia.	22"	26"	

METER SIZE	LENGTH
5/8"	7-3/4"
3/4"	9"
1"	11"



MATERIAL LIST

A. Service Clamp required on all plastic & asbestos cement pipe & on all iron pipe 12" and smaller.
B. 1-1" Corporation stop – service pipe outlet.
C. 1-1" Service Pipe.
D. 1-1" Coupling: service pipe to male I.P.T. (Compression Fitting)
E. 1-1" Ball valve.
F. Bronze bushing, 1-1" x 1", I.P. Threads
G. 1" Coupling: service pipe to male I.P.T. (Compression Fitting)
H. 1" Service Pipe.
I. Angle meter stop; service pipe inlet x swivel coupling nut outlet:
 - for 5/8" and 3/4" meters: 1" x 3/4"
 - for 1" meters: 1" x 1"
J. Water meter coupling; male I.P.T. x swivel coupling nut:
 - for 5/8" and 3/4" meters: 3/4" x 8 1/2" long
 - for 1" : 1" x 8 1/2" long
K. Ball valve. See SPL WW 275. 3/4" or 1" (Property Owner's cut-off valve)
L. 3/4" or 1" Pipe meeting City Plumbing Code Requirements
M. Meter box
N. Metal lid -- For Meter Box, Austin Pipe & Supply Co. or approved equal; or lid furnished with approved box. For valve box, Tyler Pipe, Western Iron Works or approved equal.
O. Property Owner's cut-off valve box -- Gifford-Hill Co. Inc., or approved equal. May be 12" piece SDR 35 6" PVC pipe.

NOTES:

1. Service pipe shall be copper tube size. It shall be annealed seamless Type "K" copper tubing meeting the current ASTM B88 standard with no sweat or soldered joints.
2. Service saddle shall be wrapped completely with 8 mil polyethylene film.
3. Top of boxes should be 1" above ground or flush with pavement surface.
4. Piping and tubing in street right-of-way shall be bedded in granular materials as required by Section 510.3 (14) of the Standard Specifications; backfill above granular bedding as required by Section 510.3 (25).
5. Box must be behind curb and/or sidewalk and out of vehicular traffic area.
6. If polyethylene tubing is used, compression fitting required with steel pipe stiffner insert.

STANDARD INSTALLATION DETAIL FOR A 5/8", 3/4", OR 1" METER
N.T.S.

HEJL, LEE & ASSOCIATES, INC.
ENGINEERING · SURVEYING · PLANNING
601 FARLEY DRIVE, AUSTIN, TX. 78753
PH. (512) 836-1848 FAX (512) 836-6499

SCALE: NTS
DESIGNED: CL
DRAWN: PND
CHECKED: CL
APPROVED: DPH

STATE OF TEXAS — DANIEL P. HEJL, JR. — 68211 — REGISTERED PROFESSIONAL ENGINEER

LIFT STATION DETAILS

MAVERICK COUNTY RADAR BASE WWTP IMPROVEMENTS

UPDATED: 3-19-08
PROJECT NO. 54000
SHEET LS3 OF 11
FILE NO. 54000-LS3.DWG

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Ernie Hernandez **Maverick County Airport Water Works** **370 Monroe St Suite #1** **Eagle Pass, TX 78852**	**Project Name: TCEQ Minor Permit Renewal** **Sample ID: Effluent** **Matrix: Non-Potable Water** **Date/Time Taken: 4/8/2025 1115**	**PCS Sample #: 797608 Page 1 of 2** **Date/Time Received: 4/9/2025 10:00** **Report Date: 4/16/2025** **Approved by:** Chuck Wallgren, President

Test Description	Flag	Result	Units	RL	Analysis Date/Time	Method	Analyst
E. coli (MPN-18)	H	233	CFU/100ml	1	04/09/2025 14:00	9223 IDEXX Quanti-Tray	CLH
pH	I	8.4	S.U.	N/A	04/09/2025 12:04	SM 4500-H+ B	LCC
CBOD5		20	mg/L	3	04/09/2025 12:04	SM 5210 B	LCC
Chloride_IC		132	mg/L	5	04/09/2025 13:00	EPA 300.0	JAS
Conductivity, Specific		1,142	µmhos/cm at 25° C	1	04/10/2025 12:10	SM 2510B	GQM
Nitrate-N_IC		<0.5	mg/L	0.5	04/09/2025 13:00	EPA 300.0	JAS
Phosphorus, Total		0.63	mg/L	0.10	04/15/2025 04:20	SM 4500-P/B/E	JAS
Sulfate_IC		168	mg/L	5	04/09/2025 13:00	EPA 300.0	JAS

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
E. coli (MPN-18)	N/A	N/A	N/A			N/A			
pH	N/A	N/A	N/A			N/A			
CBOD5	10	23	N/A	N/A	N/A	N/A	182	167 - 228	
Chloride_IC	1	10	95	97	97	102	93	85 - 115	
Conductivity, Specific	N/A	N/A	N/A			N/A			
Nitrate-N_IC	4	20	70	94	98	130	100	85 - 115	
Phosphorus, Total	<1	10	91	101	101	103	101	85 - 115	
Sulfate_IC	<1	10	94	99	99	101	105	85 - 115	

Quality Statement: All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

H Sample analysis started outside hold time, see Sample Log-In Checklist Comment
I Informational purposes only - pH outside hold time - pH Temperature: 21°C

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
RL = Reporting Limits
QC Data Reported in %, Except BOD in mg/L

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Universal City, TX 78148-3318
Main: 210-340-0343
Fax: 210-658-7903

POLLUTION CONTROL SERVICES

Report of Sample Analysis

Client Information	Sample Information	Laboratory Information
Ernie Hernandez **Maverick County Airport Water Works** **370 Monroe St Suite #1** **Eagle Pass, TX 78852**	**Project Name: TCEQ Minor Permit Renewal** **Sample ID: Effluent** **Matrix: Non-Potable Water** **Date/Time Taken: 4/8/2025 1115**	**PCS Sample #: 797608 Page 2 of 2** **Date/Time Received: 4/9/2025 10:00** **Report Date: 4/16/2025**

Test Description	Result	Units	RL	Analysis Date/Time	Method	Analyst
Total Dissolved Solids	688	mg/L	10	04/11/2025 13:05	SM 2540C	PML
Total Suspended Solids	42	mg/L	1	04/09/2025 14:25	SM 2540 D	PML
Ammonia-N (ISE)	6.6	mg/L	0.1	04/11/2025 09:10	SM 4500-NH3 D	CLH
Kjeldahl-N, Total	18	mg/L	1	04/14/2025 11:15	SM 4500-N B/C	PML

Quality Assurance Summary

Test Description	Precision	Limit	LCL	MS	MSD	UCL	LCS	LCS Limit	Blank
Total Dissolved Solids	1	10	N/A	N/A	N/A	N/A			
Total Suspended Solids	2	10	N/A			N/A			
Ammonia-N (ISE)	1	10	80	89	88	120	96	85 - 115	
Kjeldahl-N, Total	1	10	90	97	98	109	106	85 - 115	<1

Quality Statement: All supporting quality data adhered to data quality objectives and test results meet the requirements of NELAC unless otherwise noted as flagged exceptions or in a case narrative attachment. Reports with full quality data deliverables are available on request.

These analytical results relate only to the sample tested.
All data is reported on an 'As Is' basis unless designated as 'Dry Wt'.
RL = Reporting Limits

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POLLUTION CONTROL SERVICES

Chain of Custody Number: 797608

MULTIPLE SAMPLE ANALYSIS REQUEST AND CHAIN OF CUSTODY FORM

Stamp 1st sample and COC as same number

CUSTOMER INFORMATION	REPORT INFORMATION		
Name: Maverick	Attention: Ernie Hernandez	Phone: (830) 352-4281	Fax:

SAMPLE INFORMATION

Project Information: TCEQ Minor Permit Renewal

Report "Soils" ☐ As Is ☐ Dry Wt.

Collected By: Ernie Hernandez

Matrix: DW-Drinking Water; NPW-Non-potable water; WW-Wastewater; LW-Liquid Waste

Client / Field Sample ID	Collected Date	Collected Time	Field Chlorine Residual mg/L	Composite or Grab	Matrix	Container Type	Container Number	Preservative	pH, CBOD, TSS, TDS	Spcond, NO3N, Cl, SO4	NH3N, TKN, TPO4P	E.Coli					PCS Sample Number
EFFLUENT	Start: 4/8/25 End: 4/8/25	Start: 11:15 am End:		☐C ☒G	☐DW ☐NPW ☒WW ☐Soil ☐Sludge ☐LW ☐Other	☒P ☐G ☐O		☒H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☒ICE ☐	★	★	★	★					797608 ☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:
	Start: End:	Start: End:		☐C ☐G	☐DW ☐NPW ☐WW ☐Soil ☐Sludge ☐LW ☐Other	☐P ☐G ☐O		☐H_2SO_4 ☐HNO_3 ☐H_3PO_4 ☐NaOH ☐ICE ☐									☐S ☐B ☐N ☐HEM Other:

Instructions/Comments:

Required Turnaround: ☐ Routine (6-10 days) *EXPEDITE*: (See Surcharge Schedule) ☐ < 8 Hrs. ☐ < 16 Hrs. ☐ < 24 Hrs. ☐ 5 days ☐ Other: ________ ***Rush Charges Authorized by:***

Sample Archive/Disposal: ☐ Laboratory Standard ☐ Hold for client pick up **Container Type:** P = Plastic, G = Glass, O = Other ________ Carrier ID: ________

Relinquished By:	Ernie Hernandez	Date:	4/8/25	Time:	11:15 a.m	Received By:	[signature]	Date:		Time:	
Relinquished By:		Date:		Time:		Received By:		Date:	4-9-25	Time:	1000

Rev. Multiple Sample COC_20180628

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Login at www.pcslab.net

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ERNIE HERNANDEZ
MAVERIC CO
3905 DEER RUN BLVD

EAGLE PASS, TX 78852
UNITED STATES US

SHIP DATE: 24MAR25
ACTWGT: 20.00 LB
CAD: 112447368/INET4535
DIMS: 16x10x16 IN

TO **CHUCK WALLGREN**

1532 UNIVERSAL CITY BLVD. #100

UNIVERSAL CITY TX 78148
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Pollution Control Services
Sample Log-In Checklist 797608

PCS Sample No(s) 797608 **COC No.** _____

Client/Company Name: Maverick **Checklist Completed by:** LMC

Sample Delivery to Lab Via:
Client Drop Off _____ Commercial Carrier: Bus _____ UPS _____ Lone Star _____ FedEx ✓ USPS _____
PCS Field Services: Collection/Pick Up _____ Other: _____

Sample Kit/Coolers
Sample Kit/Cooler? Yes ✓ No _____ Sample Kit/Cooler: Intact? Yes ✓ No ___
Custody Seals on Sample Kit/Cooler: Not Present ✓ If Present, Intact ___ Broken ___
Sample Containers Intact; Unbroken and Not Leaking? Yes ✓ No ___
Custody Seals on Sample Bottles: Not Present ✓ If Present, Intact ___ Broken ___
COC Present with Shipment or Delivery or Completed at Drop Off? Yes ✓ No ___
Has COC sample date/time and other pertinent information been provided by client/sampler? Yes: ✓ No: ____
Has COC been properly Signed when Received/Relinquished? Yes ✓ No ___
Does COC agree with Sample Bottle Information, Bottle Types, Preservation, etc.? Yes ✓ No ___
All Samples Received before Hold Time Expiration? Yes ✓ No ___
Sufficient Sample Volumes for Analysis Requested? Yes ✓ No ___
Zero Headspace in VOA Vial? Yes ___ No ___

Sample Preservation:
* ***Cooling:*** **Not Required** _____ or **Required** ✓
If cooling required, record temperature of submitted samples Observed/Corrected 5 / 2 °C
Is Ice Present in Sample Kit/Cooler? ✓ Yes _____ No Samples received same day as collected? _____ Yes ✓ No
Lab Thermometer Make and Serial Number: Vaughan 1807009583 Other: _____

Acid Preserved Sample - If present, is pH <2? **Yes** ✓ **No** ___ ** ✓ H_2SO_4 _____ HNO_3 _____ H_3PO_4
Base Preserved Sample - If present, is pH >12? Yes ___ No ___ _____ NaOH
Other Preservation: _____ If Present, Meets Requirements? Yes _____ No _____
Sample Preservations Checked by: LMC Date 4.9.25 Time 1022
pH paper used to check sample preservation (PCS log #): 24.198 (HEM pH checked at analysis).
Samples Preserved/Adjusted by Lab:

Lab #	Parameters Preserved	Preservative Used	Log #

Adjusted by Tech/Analyst: _____ Date : _____ Time: _____

Client Notification/ Documentation for "No" Responses Above/ Discrepancies/ RevisionComments
Person Notified: _____ Contacted by: _____
Notified Date: _____ Time: _____
Method of Contact: At Drop Off: _____ Phone ___ Left Voice Mail ___ E-Mail _____ Fax _____
Unable to Contact _____ Authorized Laboratory to Proceed : _____ (Lab Director)
Regarding / Comments: _____

Actions taken to correct problems/discrepancies: flag ecoli for H.T. and run per client

Receiving qualifier needed (*requires client notification above*) Temp. ___ Holding Time X Initails: _____
Receiving qualifier entered into LIMS at login Initial/Date: _____
Revision Comments: LMC 4/9/25

Section 9. Effluent Monitoring Data (Instructions Page 70)

Is the facility in operation?

☒ Yes ☐ No

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

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

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
23-Mar	0.13					
23-Apr	0.11					
23-May	0.15					
23-Jun	0.12					
23-Jul	0.14					
23-Aug	0.11					
23-Sep	0.12					
23-Oct	0.13					
23-Nov	0.13					
23-Dec	0.11					
24-Jan	0.13					
24-Feb	0.12					
24-Mar	0.13					
24-Apr	0.11					
24-May	0.13					
24-Jun	0.13					
24-Jul	0.17					
24-Aug	0.14					
24-Sep	0.10					
24-Oct	0.13					
24-Nov	0.11					
24-Dec	1.14					
25-Jan	0.13					
25-Feb	0.10					

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l	20	20	1	Grab	4/8/2025 11:15 am
Total Suspended Solids, mg/l	42	42	1	Grab	4/8/2025 11:15 am
Ammonia Nitrogen, mg/l	6.6	6.6	1	Grab	4/8/2025 11:15 am
Nitrate Nitrogen, mg/l	<0.5	<0.5	1	Grab	4/8/2025 11:15 am
Total Kjeldahl Nitrogen, mg/l	18	18	1	Grab	4/8/2025 11:15 am
Sulfate, mg/l	168	168	1	Grab	4/8/2025 11:15 am
Chloride, mg/l	132	132	1	Grab	4/8/2025 11:15 am
Total Phosphorus, mg/l	<0.5	<0.5	1	Grab	4/8/2025 11:15 am
pH, standard units	8.4	8.4	1	Grab	4/8/2025 11:15 am
Dissolved Oxygen*, mg/l	N/A	N/A	N/A	N/A	N/A
Chlorine Residual, mg/l					
E.coli (CFU/100ml) freshwater	233	233	1	Grab	4/8/2025 11:15 am
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	688	688	1	Grab	4/8/2025 11:15 am
Electrical Conductivity, µmohs/cm, †	1142	1142	1	Grab	4/8/2025 11:15 am
Oil & Grease, mg/l					
Alkalinity ($CaCO_3$)*, mg/l	N/A	N/A	N/A	N/A	N/A

*TPDES permits only
†TLAP permits only

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

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