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 **

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

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

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

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

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

City of Monahans (CN600624985) operates the City of Monahans Wastewater Treatment Plant (RN102179835), a municipal sewage treatment plant. The facility is located at 2301 South Ora Ave, in Monahans, Ward County, Texas 79756. A renewal of existing permit WQ0010224001 is being requested. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain Biochemical Oxygen Demand (5-day) and Total Suspended Solids. Municipal wastewater is treated by an activated sludge process plant operated in the extended aeration mode.

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

AGUAS RESIDUALES DOMÉSTICAS /**AGUAS PLUVIALES**

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

City of Monahans (CN600624985) opera planta de tratamiento de aguas residuals de la ciudad de Monahans (RN102179835), una planta de tratamiento de aguas residuals. La instalación está ubicada en 2301 South Ora Ave, en Monahans, Condado de Ward, Texas 79756. Se solicita la renovación del permiso existente WQ0010224001. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno (5 dias) y sólidos suspendidos totales. Aguas residuals municipales. está tratado por una planta de proceso de lodos activados operada en modo de aireación extendida.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010224001

APPLICATION. City of Monahans, 112 West 2nd Street, Monahans, Texas 79756, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0010224001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 1,100,000 gallons per day via surface irrigation of 49 acres of non-public access grassland south of the sewage treatment plant, 123 acres of public parks, ball fields and cemetery within the City of Monahans, 113 acres in the Ward County Golf Couse, and 185 acres surrounding the Hurd Memorial Airport. The domestic wastewater treatment facility and disposal area are located at 2301 South Ora Street, Monahans, in Ward County, Texas 79756. TCEQ received this application on February 26, 2025. The permit application will be available for viewing and copying at Monahans City Hall, 112 West 2nd Street, Monahans, in Ward 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=-102.903888,31.568611&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 City of Monahans at the address stated above or by calling Mr. Rex Thee, City Manager, at 432-943-4343.

Issuance Date: March 26, 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

PERMISO NO. WQ0010224001

SOLICITUD. Ciudad de Monahans, 112 West 2nd Street, Monahans, Texas 79756, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) para renovar el Permiso para la Aplicación en Terrenos de Texas No. WQ0010224001 para autorizar la disposición de aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 1,100,000 galones por día a través del riego superficial de 49 acres de pastizales de acceso no público al sur de la planta de tratamiento de aguas residuales, 123 acres de parques públicos, campos de pelota y cementerio dentro de la ciudad de Monahans, 113 acres en el Campo de Golf del Condado de Ward y 185 acres que rodean el Aeropuerto Hurd Memorial. La instalación de tratamiento de aguas residuales domésticas y el área de disposición están ubicados en 2301 South Ora Street, Monahans, en el Condado de Ward, Texas 79756. La TCEQ recibió esta solicitud el día 26 de febrero de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Monahans City Hall, 112 West 2nd Street, Monahans, en el Condado de Ward, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud, incluidas las actualizaciones y los avisos asociados, están disponibles 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=-102.903888,31.568611&level=18

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

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

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

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

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

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

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

También se puede obtener información adicional de Ciudad de Monahans a la dirección indicada arriba o llamando al Sr. Rex Thee, Gerente de la Ciudad, al 432-943-4343

Fecha de emisión: 26 de marzo 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. WQ0010224001

APPLICATION AND PRELIMINARY DECISION. City of Monahans, 112 West 2nd Street, Monahans, Texas 79756, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0010224001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 1,100,000 gallons per day via surface irrigation of 49 acres of non-public access grassland south of the wastewater treatment plant, 123 acres of public parks, ball fields, and cemetery within the City of Mohahans, 113 acres in the Ward County Golf Course and 185 acres surrounding the Hurd Memorial Airport. This permit will not authorize a discharge of pollutants into water in the state. TCEQ received this application on February 26, 2025.

The wastewater treatment facility is located at 2301 South Ora, Monahans, in Ward County, Texas 79756. The disposal sites are in the description above. The wastewater treatment facility and disposal sites are located in the drainage basin of Upper Pecos River in Segment No. 2311 of the Rio Grande River Basin. 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=-102.903888,31.568611&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 Monahans City Hall, 112 West 2nd Street, Monahans, in Ward County, Texas.

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 City of Monahans at the address stated above or by calling Mr. Rex Thee, City Manager, at 432-943-4343.

Issuance Date: July 1, 2025

Comisión De Calidad Ambiental Del Estado De Texas

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

RENOVACIÓN

PERMISO NO. WQ0010224001

SOLICITUD Y DECISIÓN PRELIMINAR. City of Monahans, 112 West 2nd Street, Monahans, Texas 79756 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) por una renovación el Permiso de TCEQ No. WQ0010224001 para autorizar la disposición de aguas residuales domésticas tratadas con un flujo promedio diario que no sobrepasa los 1,100,000 galones por día por medio de la irrigación de superficie de 49 acres de pastizales sin acceso al público al sur de la planta de tratamiento de aguas residuales, 123 acres de parques públicos, campos de juego y cementerio dentro de la ciudad de Mohahans, 113 acres en el Campo de Golf del Condado de Ward y 185 acres que rodean el Aeropuerto Hurd Memorial. Este permiso no autorizará una descarga de contaminantes a las aguas del estado. La TCEQ recibió esta solicitud el 26 de febrero de 2025.

La instalación de tratamiento de aguas residuales está ubicado en 2301 South Ora, Monahans, en el Condado de Ward, Texas 79756. La ubicación de los sitios de disposición están en la descripción de arriba. La instalación de tratamiento de aguas residuales y los sitios de disposición están ubicados en la cuenca de drenaje de Upper Pecos River en el Segmento No. 2311 de la Cuenca del Río Rio Grande. 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=-102.903888,31.568611&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 Monahans City Hall, 112 West 2nd Street, Monahans, en el Condado de Ward, Texas.

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 sin proveer una oportunidad de una audiencia administrativa de lo contencioso.**

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. 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 en el periódico a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o electrónicamente en www.tceq.texas.gov/goto/comment.

INFORMACIÓN 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 para esta solicitud, que se encuentra en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a www.tceq.texas.gov/goto/comment, 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 City of Monahans en la dirección indicada arriba o llamando al Sr. Rex Thee, Gerente de la Ciudad, al 432-943-4343.

Fecha de emisión: 1 de julio de 2025

PERMIT NO. WQ0010224001

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

This is a renewal of Permit No. WQ0010224001 issued on December 10, 2015.

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

City of Monahans

whose mailing address is

112 West 2nd Street
Monahans, Texas 79756

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

General Description and Location of Waste Disposal System:

Description: The City of Monahans Wastewater Treatment Facility consists of an activated sludge process plant using the extended aeration mode and three storage ponds, one with a surface area of 3.19 acres and a storage volume of 28.7 acre-feet and two ponds with surface area of 11.2 acres and storage volumes of 100.8 acre-feet. Treatment units include a bar screen, an oxidation ditch, two final clarifiers, a Parshall flume, sludge drying beds, and a chlorine contact chamber. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 1.10 million gallons per day (MGD) via surface irrigation of 49 acres of non-public access grassland south of the sewage treatment plant, 123 acres of public parks, ball fields, and cemetery within the City of Mohahans, 113 acres in the Ward County Golf Course and 185 acres surrounding the Hurd Memorial Airport. The facility includes three storage ponds one with a surface area of 3.19 acres and a storage volume of 28.7 acre-feet, and two others with surface areas of 11.2 acres and storage volumes of 100.8 acre-feet for storage of treated effluent prior to irrigation. Application rates to the irrigated land shall not exceed 5.3 acre-feet per year per acre irrigated for 470 acres, and a net application rate of 2.62 acre-feet per acre per day based on total flow of 1.10 MGD applied to total acres of 470 acres irrigated area. The irrigated crops include grassland.

Location: The wastewater treatment facility and disposal sites are located at 2301 South Ora, Monahans, in Ward County, Texas 79756. (See Attachment A.)

Drainage Area: The wastewater treatment facility and disposal sites are located in the drainage basin of Upper Pecos River in Segment No. 2311 of the Rio Grande River Basin. 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 – 1.10 MGD from the treatment system

Quality: The following effluent limitations are required:

	Effluent Concentrations (Not to Exceed)			
Parameter	Daily Average mg/l	7-Day Average mg/l	Daily Maximum mg/	Single Grab mg/l
Biochemical Oxygen Demand (5-day)	20	30	45	65
Total Suspended Solids	20	30	45	65

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

The effluent shall be chlorinated in a chlorine contact chamber to a residual of 1.0 mg/l with a minimum detention time of 20 minutes **excepting for the surface irrigation of the 49 acres of non-public access grassland south of the sewage treatment plant that will not require chlorination**.

B. Monitoring Requirements:

Parameter	Monitoring Frequency	Sample Type
Flow	Five/week	Instantaneous
Biochemical Oxygen Demand (5-day)	One/week	Grab
Total Suspended Solids	One/week	Grab
pH	One/month	Grab
Total Chlorine Residual	Five/week	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.

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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 annually 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 7) 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 permitee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 7) 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)(2)(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	- once during the term of this permit
PCBs	- once during the term of this permit

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 permitee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 7) 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 annually 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 7) 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 7) 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 permitee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 7) 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 permitee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 7) 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.

TCEQ Revision 06/2020

SPECIAL PROVISIONS:

1. This permit is 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 this permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, if an area-wide system is developed; to require the delivery of the wastes authorized to be collected in, treated by, or discharged from the system, to an 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.

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 Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.

   This Category B facility must be operated by a chief operator or an operator holding a Class B 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. Irrigation practices shall be designed and managed 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, Bermuda grass and native grasses 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.

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

6. Application rates for the 470 acres irrigation area shall not exceed 5.3 acre-feet per year per acre irrigated, and a net application rate of 2.62 acre-feet per acre per day based on total flow of 1.10 MGD applied to total acres of 470 acres irrigated area. 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 Texas Commission on Environmental Quality and shall be maintained for at least three years.

7. 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.

8. The permittee shall obtain representative soil samples from the root zones of the land application area. Composite sampling techniques shall be used. Each composite sample shall represent no more than 80 acres with no fewer than 15 subsamples representing each composite sample. For analysis and reporting, subsamples shall be composited by like sampling depth, type of crop, and soil type. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 to 18 inches and 18 to 30 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.

   Samples shall be analyzed annually 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	2:1 (v/v) water to soil mixture	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 plus Nitrate-nitrogen		mg/kg (dry weight basis)
Plant-available: Phosphorus	Mehlich III with inductively coupled plasma	1 (P)	mg/kg (dry weight basis)
Plant-available: Potassium (K)	May be determined in the same Mehlich III extract with	5 (K)	mg/kg (dry weight basis)

	inductively coupled plasma		
Amendment addition, e.g., gypsum			Report in *short tons/acre* in the year effected

A copy of this soil testing plan shall be provided 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 7), and the Enforcement Division (MC 224), no later than the end of September of each sampling 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 irrigation site(s) during that year. The annual sampling from those areas may not be performed.

9. The permittee shall maintain a long term contract with the owner(s) of the land application site which is authorized for use in this permit, or own the land authorized for land application of treated effluent.

10. If effluent is to be transferred to a holding pond or tank, re-chlorination prior to the effluent being delivered into the irrigation system will be required. A trace chlorine residual shall be maintained in the effluent at the point of irrigation application.

11. 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.

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

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

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

15. All bypasses of treatment units shall be returned to the holding pond and returned to the head of the plant for treatment before disposal on publicly accessible land.

16. The permittee shall use cultural practices to promote and maintain the health and propagation of the Bermuda grass and native grass crops and avoid plant lodging. The permittee shall harvest the crops (cut and remove it from the field) at least once 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.

17. The physical condition of the land application fields shall be monitored on a weekly basis. Any area with problems such as surface runoff, surficial erosion, or stressed or damaged vegetation, etc., shall be recorded in a field log kept onsite. Corrective measures will be

implemented within 24 hours of discovery.

18. The permittee shall comply with buffer zone requirements of 30 TAC Section § 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. A land application field must be located a minimum horizontal distance of 150 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.

19. The permittee shall maintain a minimum 20-foot buffer zone from the irrigation disposal sites to any ponds.

20. **For the existing wastewater ponds**: The three storage ponds (Ponds 1, 2, and 3) 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:
        i. More than 30% passing a No. 200 mesh sieve
        ii. Liquid limit greater than 30%
        iii. Plasticity index greater than 15
        iv. 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.

    If the Executive Director has reason to suspect that any of the three storage ponds may be leaking, the Executive Director may require documentation that the pond liner(s) meet these requirements or may require corrective action or other appropriate action to protect groundwater and surface water resources.

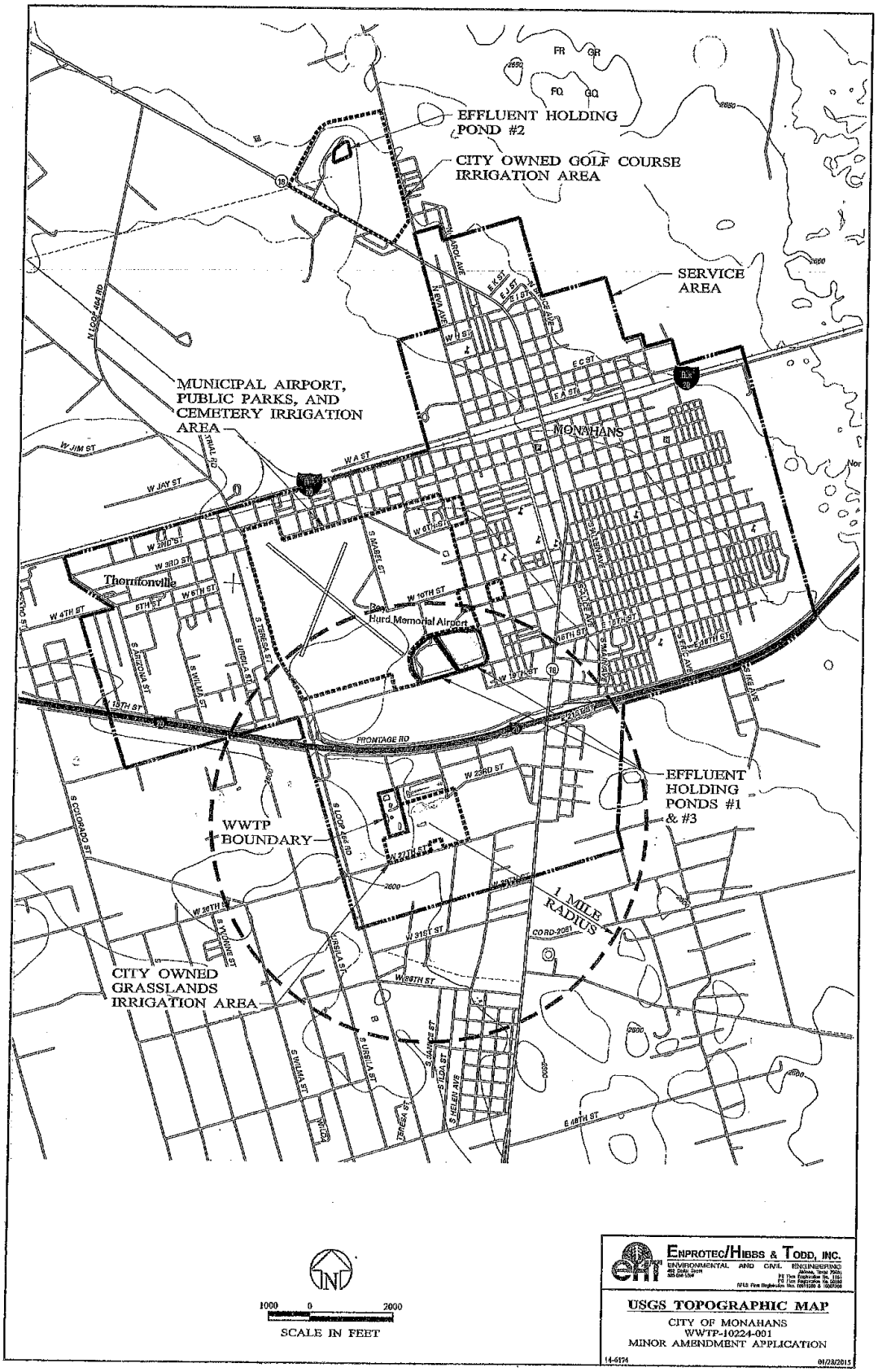
21. Any new or modified wastewater pond shall be adequately lined to control seepage in accordance with 30 TAC §217.203 and 30 TAC 309.13(d) since the facility overlies the recharge zone of an aquifer. The Permittee shall submit the liner certification for a newly-constructed or modified wastewater pond to the Water Quality Assessment Team (MC-150), the TCEQ Regional Office (MC-Region 7), and the TCEQ Compliance Monitoring Section (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 and 30 TAC §309.13(d) since the facility is located on the recharge zone of an aquifer.

22. Facilities for the retention of treated or untreated wastewater shall be adequately managed, operated, and lined to control seepage and prevent unauthorized discharge to water in the state and contamination of groundwater. 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.

23. 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.

Attachment A – Site Map
City of Monahans
Permit No. WQ0010224001



TECHNICAL SUMMARY AND
EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

DESCRIPTION OF APPLICATION

Applicant:	City of Monahans TCEQ Permit No. WQ0010224001
Regulated Activity:	Domestic Wastewater Permit
Type of Application:	Renewal
Request:	Renewal with 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

City of Monahans has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Permit No. WQ0010224001 to authorize the disposal of treated domestic wastewater at a daily average flow not to exceed 1.10 million gallons per day (MGD) via surface irrigation of 49 acres of non-public access grassland south of the sewage treatment plant, 123 acres of public parks, ball fields, and cemetery within the City of Mohahans, 113 acres in the Ward County Golf Course and 185 acres surrounding the Hurd Memorial Airport. The minor amendment is to include in the draft permit that the 49 acres of non-public access land won't require chlorination. The facility includes three storage ponds one with a surface area of 3.19 acres and a storage volume of 28.7 acre-feet, and two others with surface areas of 11.2 acres and storage volumes of 100.8 acre-feet for storage of treated effluent prior to irrigation. The existing wastewater treatment facility serves the City of Mohanans.

PROJECT DESCRIPTION AND LOCATION

The City of Monahans Wastewater Treatment Facility consists of an activated sludge process plant using the extended aeration mode and three storage ponds, one with a surface area of 3.19 acres and a storage volume of 28.7 acre-feet and two ponds with surface area of 11.2 acres and storage volumes of 100.8 acre-feet. Treatment units include one bar screen, oxidation ditch, final clarifiers, parshall flume, sludge drying beds, and chlorine contact chamber. The facility is in operation.

Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ-permitted landfill, City of Monahans Landfill, Permit No. HO772, in Ward County.

The draft permit also 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 is located at 2301 South Ora, Monahans in Ward County, Texas 79756 and the disposal sites are located south of the wastewater treatment plant (non-public access grassland), public parks, ball fields, and cemetery within the City of Mohahans, at the Ward County Golf Course, and surrounding the Hurd Memorial Airport.

The wastewater treatment facility and disposal sites are located in the drainage basin of Upper Pecos River in Segment No. 2311 of the Rio Grande River Basin. No discharge of pollutants into water in the state is authorized by this permit.

SUMMARY OF EFFLUENT DATA

The following is a summary of the applicant's effluent monitoring data for the period January 2023 through December 2024. The average of Daily Average value is computed by averaging of all 30-day average values for the reporting period for each parameter: flow, five-day biochemical oxygen demand (BOD_5), and total suspended solids (TSS).

Parameter	Average of Daily Average
Flow, MGD	0.63
BOD_5, mg/l	7.2
TSS, mg/l	7.7
pH, s.u.	8

DRAFT PERMIT CONDITIONS

The draft permit authorizes the disposal of treated domestic wastewater effluent at a daily average flow not to exceed 1.10 MGD via surface irrigation of 49 acres of non-public access grassland south of the sewage treatment plant (not requiring chlorination), 123 acres of public parks, ball fields, and cemetery within the City of Mohahans, 113 acres in the Ward County Golf Course and 185 acres surrounding the Hurd Memorial Airport. The facility includes three storage ponds one with a surface area of 3.19 acres and a storage volume of 28.7 acre-feet, and two others with surface areas of 11.2 acres and storage volumes of 100.8 acre-feet for storage of treated effluent prior to irrigation. Application rates to the irrigated land shall not exceed 5.3 acre-feet per year per acre irrigated for 470 acres, and a net application rate of 2.62 acre-feet per acre per day based on total flow of 1.10 MGD applied to total acres of 470 acres irrigated area. The irrigated crops include grassland.

The effluent limitations in the draft permit, based on a daily average, are 20 mg/l biochemical oxygen demand (BOD_5) and 20 mg/l total suspended solids (TSS). The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes based on peak flow **excepting for the surface irrigation of the 49 acres of non-public access grassland south of the sewage treatment plant that will not require chlorination.**

The permittee shall comply with the requirements of 30 TAC § 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 § 309.13(e).

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ-permitted landfill, City of Monahans Landfill, Permit No. HO772, in Ward County. The draft permit also 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.

The renewal with minor amendment is to include in the draft permit that the 49 acres of non-public access land won't require chlorination.

Other Requirement No. 2 has been revised based on 30 TAC §30.350(e).

Special Provision (S.P.) Nos. 4, 5, 8, 11, 15 (20 in the draft permit), 17, 18 (16 in the draft permit) and 21 in the existing permit have been revised in the draft permit based on Agronomy and Geology compliance review.

S.P. Nos. 22 and 23 have been added to the draft permit based on Agronomy and Geology compliance review.

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.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on February 26, 2025.

2. Existing TCEQ permit: Permit No. WQ0010224001 issued on December 10, 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 Sujata Sinha at (512) 239-1963.

Sujata Sinha

Sujata Sinha
Municipal Permits Team
Wastewater Permitting Section (MC 148)

6/13/2025
Date

Erwin Madrid

From: Luci Dunn <luci.dunn@e-ht.com>
Sent: Tuesday, March 25, 2025 1:43 PM
To: Erwin Madrid
Cc: citymanager@cityofmonahans.org; Bobby Sinclair (utilitydirector@cityofmonahans.org)
Subject: Response: Application for Permit No. WQ0010224001 - NOD Monahans WWTP TLAP
Attachments: Response to Monahans WWTP Admin NOD WQ0010224001.pdf; City of Monahans Spanish wq tlap new.docx

Good Day Erwin,
Your email from yesterday (Monday, March 24, 2024) is incorrect. There are changes needed to the Draft NORI as indicated on the attached response. Please update as requested. The corrected NORI translated into Spanish is also attached in Word.
Sincerely,

Luci Dunn, PE
Senior Project Manager
Enprotec / Hibbs & Todd, Inc.

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Monday, March 24, 2025 12:44 PM
To: Luci Dunn <luci.dunn@e-ht.com>
Cc: citymanager@cityofmonahans.org
Subject: RE: Application for Permit No. WQ0010224001 - Notice of Deficiency Letter

Hello,

Following up on this NOD request, it appears that all that was needed to declare the application administratively complete was the translated notice.

Regards,

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

From: Erwin Madrid
Sent: Thursday, March 13, 2025 1:57 PM

To: Luci Dunn <luci.dunn@e-ht.com>
Cc: citymanager@cityofmonahans.org
Subject: Application for Permit No. WQ0010224001 - Notice of Deficiency Letter
Importance: High

Dear applicant,

The attached Notice of Deficiency letter sent on **March 13, 2025**, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by **March 27, 2025**.

Regards,

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

Enprotec | Hibbs & Todd

March 25, 2025

Via Email to erwin.madrid@tceq.texas.gov

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Processing Team (MC148)
P.O. Box 13087
Austin, Texas 78711-3087
Attn: Mr. Erwin Madrid

Re: Response to TCEQ Letter, dated March 13, 2025
Application to Renew Permit No.: WQ0010224001
Applicant Name: City of Monahans (CN600624985)
Site Name: City of Monahans WWTP (RN102179835)
Type of Application: Renewal with changes

Dear Mr. Madrid:

The TCEQ emailed letter, dated March 13, 2025, indicates that additional information is required before the application can be declared administratively complete. A copy of the referenced TCEQ correspondence is attached for reference. The responses to each item listed in the referenced TCEQ correspondence are as follows:

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

   APPLICATION. City of Monahans, 112 West 2nd Street, Monahans, Texas 79756, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0010224001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 1,100,000 gallons per day via surface irrigation of 49 acres of land non-public access grassland south of the sewage treatment plant, 123 acres of public parks, ball fields and cemetery within the City of Monahans, 113 acres in the Ward County Golf Couse, and 185 acres surrounding the Hurd Memorial Airport. The domestic wastewater treatment facility and disposal area are located at 2301 South Ora Street, Monahans, in Ward County, Texas 79756. TCEQ received this application on February 26, 2025. The permit application will be available for viewing and copying at Monahans City Hall, 112 West 2nd Street, Monahans, in Ward 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=-102.903888,31.568611&level=18

The following corrections are suggested:

- Revise the description of the permitted irrigation areas as follows:

  … per day via surface irrigation of 49 acres of non-public access grassland south of the sewage treatment plant, 123 acres of public parks, ball fields and cemetery within the City of Monahans, 113 acres in the Ward County Golf Couse, and 185 acres surrounding the Hurd Memorial Airport.

- Add the permit-specific contact information to the end of the NORI as follows: "Further information may also be obtained from City of Monahans at the address stated above or by calling Mr. Rex Thee, City Manager, at 432-943-4343."

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

   The translated Spanish NORI in Word format is attached. The translation includes the edits as listed above.

The response is provided as requested by the TCEQ original response deadline of March 27, 2025. Please feel free to call me at 817-694-8382, contact me in writing in the Abilene office, or email me at luci.dunn@e-ht.com with any questions or comments.

Sincerely,

Enprotec / Hibbs & Todd, Inc.

Luci Dunn

Luci Dunn, P.E.
Senior Project Manager

LD/jd

Attachments TCEQ Administrative Email and Letter, dated 3/13/2025
Spanish-translated DRAFT NORI (e-copy in Word provided via email)

c: Rex Thee, City Manager, via email to citymanager@cityofmonahans.org
Bobby Sinclair, Director of Utilities, via email to utilitydirector@cityofmonahans.org
Project File 9041 P:\Projects\TPDES Permit Applications\Monahans\9041 WWTP TLAP Renewal 2025\20250313 Admin NOD\Response to Monahans WWTP Admin NOD WQ0010224001.docx

Luci Dunn

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Thursday, March 13, 2025 1:57 PM
To: Luci Dunn
Cc: citymanager@cityofmonahans.org
Subject: Application for Permit No. WQ0010224001 - Notice of Deficiency Letter
Attachments: wq0010224001-nod1.pdf; dom-tlap-new-nori-munepono (14).docx

Importance: High

Dear applicant,

The attached Notice of Deficiency letter sent on **March 13, 2025**, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by **March 27, 2025**.

Regards,

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 13, 2025

Ms. Luci Dunn, P.E.
Senior Project Manager
Enprotec/Hibbs & Todd, Inc.
P.O. Box 3097
Abilene, Texas 79604

RE: Application to Renew Permit No.: WQ0010224001
Applicant Name: City of Monahans (CN600624985)
Site Name: City of Monahans WWTP (RN102179835)
Type of Application: Renewal with changes

VIA EMAIL

Dear Ms. Dunn:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

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

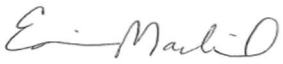
   APPLICATION. City of Monahans, 112 West 2nd Street, Monahans, Texas 79756, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0010224001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 1,100,000 gallons per day via surface irrigation of 49 acres of land. The domestic wastewater treatment facility and disposal area are located at 2301 South Ora Street, Monahans, in Ward County, Texas 79756. TCEQ received this application on February 26, 2025. The permit application will be available for viewing and copying at Monahans City Hall, 112 West 2nd Street, Monahans, in Ward 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=-102.903888,31.568611&level=18

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

Please submit the complete response, addressed to my attention by March 27, 2025. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-2191 or by email at erwin.madrid@tceq.texas.gov.

Sincerely,



Erwin Madrid
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

EM

Enclosure(s)

cc: Mr. Bobby Sinclair, Director of Utilities, City of Monahans, 112 West 2nd Street, Monahans, Texas 79756

Enprotec | Hibbs & Todd

February 26, 2025

Via TCEQ FTP Server Upload (Share to WQDeCopy@tceq.texas.gov) and with Hard Copies to Follow

Executive Director
Applications Review and Processing Team (MC148)
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Re: TLAP Minor Amendment with Renewal Application
Applicant: City of Monahans (CN600624985)
Permit No.: WQ0010224001
Site Name: City of Monahans Wastewater Treatment Plant (RN102179835)

Dear Sir / Madam:

Enclosed with this letter are one original and two copies of the TCEQ Municipal Wastewater Permit Minor Amendment with Renewal Application and applicable attachments. The minor amendment details are provided in Attachment DAR 1.0-2. Per the new rule requirements under Title 30 Texas Administrative Code (TAC) Chapter 39 relating to public notices, the Plain Language Summary (PLS) Form TCEQ-20972 in Word format in English and in Spanish are attached as separate file in the FTPS upload; the PLS hard copies are found in Attachment DAR 1.0-8.F. If there are any questions, please let me know at luci.dunn@e-ht.com or at (817) 694-8382.

Sincerely,

Enprotec / Hibbs & Todd, Inc.

Luci Dunn

Luci Dunn, P.E.
Senior Project Manager

LD/jd

c: Rex Thee, City Manager, via email to citymanager@cityofmonahans.org
Bobby Sinclair, Director of Utilities, via email to utilitydirector@cityofmonahans.org
Project File 9041 P:\Projects\TPDES Permit Applications\Monahans\9041 WWTP TLAP Renewal 2025\1. Correspondence\TPDES Permit Renewal Submittal Ltr to TCEQ.docx

TLAP MINOR AMENDMENT WITH RENEWAL APPLICATION

CITY OF MONAHANS WASTEWATER TREATMENT PLANT

Permit No. WQ0010224001

February 2025

Abilene I Lubbock I Granbury
PE Firm Registration No. 1151
PG Firm Registration No. 50103
RPLS Firm Registration No. 10011900

Corporate Headquarters
402 Cedar Street
Abilene, Texas 79601
T: (325) 698-5560
F: (325) 690-3240

www.e-ht.com

Enprotec | Hibbs & Todd

City of Monahans Wastewater Treatment Plant
TLAP Permit Minor Amendment with Renewal Application
Table of Contents

Attachments

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: City of Monahans

PERMIT NUMBER (If new, leave blank): WQ0010224001

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: N/A

Check/Money Order Amount: N/A

Name Printed on Check: N/A

EPAY — Voucher Number: 751572, 751573

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: See Attachment DAR 1.0-2.

f. For existing permits:

Permit Number: WQ00 10224001

EPA I.D. (TPDES only): TX N/A

Expiration Date: 09/01/2025

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?

City of Monahans

(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: 600624985

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

Prefix: Mr. Last Name, First Name: Thee, Rex

Title: City Manager 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. DAR 1.0-3.C

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Ms. Last Name, First Name: Dunn, Luci

Title: Senior Project Manager Credential: P.E.

Organization Name: Enprotec / Hibbs & Todd, Inc.

Mailing Address: PO Box 3097 City, State, Zip Code: Abilene, TX 79604

Phone No.: (817) 694-8382 E-mail Address: luci.dunn@e-ht.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Sinclair, Bobby

Title: Director of Utilities Credential: N/A

Organization Name: City of Monahans

Mailing Address: 112 W 2nd Street City, State, Zip Code: Monahans, TX 79756

Phone No.: (432) 943-4343 E-mail Address: citymanager@cityofmonahans.org

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: Sinclair, Bobby

Title: Director of Utilities Credential: N/A

Organization Name: City of Monahans

Mailing Address: 112 W 2nd Street City, State, Zip Code: Monahans, TX 79756

Phone No.: (432) 943-4343 E-mail Address: utilitydirector@cityofmonahans.org

B. Prefix: Mr. Last Name, First Name: Thee, Rex

Title: City Manager Credential: N/A

Organization Name: City of Monahans

Mailing Address: 112 W 2nd Street City, State, Zip Code: Monahans, TX 79756

Phone No.: (432) 943-4343 E-mail Address: citymanager@cityofmonahans.org

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Thee, Rex

Title: City Manager Credential: N/A

Organization Name: City of Monahans

Mailing Address: 112 W 2nd Street City, State, Zip Code: Monahans, TX 79756

Phone No.: (432) 943-4343 E-mail Address: citymanager@cityofmonahans.org

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: Sinclair, Bobby

Title: Director of Utilities Credential: N/A

Organization Name: City of Monahans

Mailing Address: 112 W 2nd Street City, State, Zip Code: Monahans, TX 79756

Phone No.: (432) 943-4343 E-mail Address: utilitydirector@cityofmonahans.org

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Dunn, Luci

Title: Senior Project Manager Credential: P.E.

Organization Name: Enprotec / Hibbs & Todd, Inc.

Mailing Address: PO Box 3097 City, State, Zip Code: Abilene, TX 79604

Phone No.: (817) 694-8382 E-mail Address: luci.dunn@outlook.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: Thee, Rex

Title: City Manager Credential: N/A

Organization Name: City of Monahans

Mailing Address: 112 W 2nd Street City, State, Zip Code: Monahans, TX 79756

Phone No.: (432) 943-4343 E-mail Address: citymanager@cityofmonahans.org

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: City Hall

Location within the building: Front Desk

Physical Address of Building: 112 West 2nd Street

City: Monahans County: Ward

Contact (Last Name, First Name): Thee, Rex

Phone No.: (432) 943-4343 Ext.: N/A

E. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

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

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

   ☒ Yes ☐ No

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

   ☒ Yes ☐ No

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

   ☐ Yes ☒ No

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

F. 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: DAR 1.0-8.F

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** 102179835

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):

City of Monahans Wastewater Treatment Plant

C. Owner of treatment facility: City of Monahans

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: City of Monahans

Mailing Address: 112 W 2nd Street City, State, Zip Code: Monahans, TX 79756

Phone No.: (432) 943-4343 E-mail Address: citymanager@cityofmonahans.org

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: City of Monahans

Mailing Address: 112 W 2nd Street City, State, Zip Code: Monahans, TX 79756

Phone No.: (432) 943-4343 E-mail Address: citymanager@cityofmonahans.org

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/A

Phone No.: N/A E-mail Address: N/A

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 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:

N/A

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:

N/A

City nearest the outfall(s): N/A

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

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

☐ Yes ☐ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

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

Section 11. TLAP Disposal Information (Instructions Page 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: Monahans

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

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

Through an 18" pipe to 2 ponds and a 12" pipe to the grass lands to the south of the treatment facility. From the storage ponds, a 12" pipe delivers effluent water to the golf course pond, and to the airport, parks and cemetery land application areas.

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Pecos River, Segment 2311

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.

N/A

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: N/A

Amount past due: N/A

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: N/A

Amount past due: N/A

Section 13. Attachments (Instructions Page 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: See Table of Contents

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010224001

Applicant: City of Monahans

Certification:

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

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

Signatory name (typed or printed): Rex Thee

Signatory title: City Manager

Signature: Rex M. Thee Date: 2/20/25

(Use blue ink)

Subscribed and Sworn to before me by the said Rex M. Thee

on this 20th day of February, 20 25.

My commission expires on the 15th day of December, 20 26.

Lorena Valle

Notary Public

[SEAL]

LORENA VALLE
Notary Public
STATE OF TEXAS
Notary ID # 13005654-3
My Comm. Exp. December 15, 2026

Ward

County, Texas

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): 1.1

2-Hr Peak Flow (MGD): 2.75

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

D. Current Operating Phase

Provide the startup date of the facility: 1983

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**.

Raw sewage is screened at the headworks. Screened influent enters an oxidation ditch operated in an extended aeration mode. Two secondary clarifiers follow the oxidation ditch, with returned activated sludge from the clarifiers to the oxidation ditch. Effluent from the secondary clarifiers is disinfected using free chlorine added into the splitter box before the Parshall Flume and the chlorine contact chamber. Flow to the adjacent irrigation field (not publicly accessible) is diverted prior to the chlorine contact chamber and does not receive 20 minutes of disinfection contact time and does not have a minimum chlorine residual requirement. Effluent that directed to the off-site holding ponds and on to the public access irrigation sites flows through the chlorine contact chamber and receives a minimum of 20 minutes of chlorine contact time and is required to have a chlorine residual of a minimum of 1 mg/L at the point of compliance.

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)
Extended Aeriation Oxidation Ditch	1	245' x 40' x 9'

C. Process Flow Diagram

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

Attachment: DTR 1.0-2.C

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

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

- Latitude: N/A
- Longitude: N/A

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

- Latitude: 31.568611
- Longitude: -102.903888

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: DTR 1.0-3

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

City of Monahans

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
City of Monahans	City of Monahans	Publicly Owned	7000

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**.

N/A

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.

N/A

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: Prior to 1983

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

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

N/A

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*.

Soil samples are collected annually, and analytical results are submitted to the TCEQ as required in Special Provision item number 8. The airport irrigation area was not irrigated during the permit term and soils samples were not collected.

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:

N/A

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.

N/A

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.

N/A

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If yes to any of the above, provide 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.

N/A

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

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

Is 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	3.03	3.03	1	Grab	1.14.2025/0800
Total Suspended Solids, mg/l	1.80	1.80	1	Grab	1.14.2025/0800
Ammonia Nitrogen, mg/l	<0.200	<0.200	1	Grab	1.14.2025/0800
Nitrate Nitrogen, mg/l	<0.200	<0.200	1	Grab	1.14.2025/0800
Total Kjeldahl Nitrogen, mg/l	0.574	0.574	1	Grab	1.14.2025/0800
Sulfate, mg/l	102	102	1	Grab	1.14.2025/0800
Chloride, mg/l	175	175	1	Grab	1.14.2025/0800
Total Phosphorus, mg/l	0.750	0.750	1	Grab	1.14.2025/0800
pH, standard units	7.96	8.31	4	Grab	Dec 2024
Dissolved Oxygen*, mg/l	N/A	N/A	N/A	N/A	N/A
Chlorine Residual, mg/l	1.24	2.10	22	Grab	Dec 2024
E.coli (CFU/100ml) freshwater	>2420	>2420	1	Grab	1.14.2025/0800
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	940	940	1	Grab	1.14.2025/0800
Electrical Conductivity, µmohs/cm, †	1147	1147	1	Grab	1.14.2025/0800
Oil & Grease, mg/l	<5.0	<5.0	1	Grab	1.14.2025/0800
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	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	N/A	N/A	N/A	N/A
pH, standard units	N/A	N/A	N/A	N/A	N/A
Fluoride, mg/l	N/A	N/A	N/A	N/A	N/A
Aluminum, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity ($CaCO_3$), mg/l	N/A	N/A	N/A	N/A	N/A

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Bobby Sinclair

Facility Operator's License Classification and Level: Wastewater Treatment Operator B

Facility Operator's License Number: WW0008911

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
Disposal in Landfill	On-Site Owner or Operator	Bulk	0	N/A: Disposal in Landfill	N/A: Disposal in Landfill

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): N/A

D. Disposal site

Disposal site name: City of Monahans Landfill

TCEQ permit or registration number: HO772

County where disposal site is located: Ward

E. Transportation method

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

Name of the hauler: City of Monahans

Hauler registration number: 23674

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:

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

Section 13. RCRA/CERCLA Wastes (Instructions Page 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: N/A

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: Rex Thee

Title: City Manager

Signature: Rex M. Thee

Date: 2/20/25

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
- ☐ Other (describe in detail):
- ☐ Subsurface application
- ☐ Subsurface soils absorption
- ☐ Subsurface area drip dispersal system
- ☐ Evapotranspiration beds

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

For existing authorizations, provide Registration Number: N/A

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
Native Grasses – Grass Land and Pasture	49	1,100,000	N
Public Parks, Ball Fields & Cemetery	123		Y
Ward County Golf Course	113		Y
Hurd Memorial Airport	185		Y

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	11.2	100.8	See attached	30 mil plastic
2	3.19	28.7	See attached	30 mil plastic

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
3	11.2	100.8	See attached	30 mil plastic

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

Attachment: DTR Wksht 3.0-3

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.

N/A

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

FEMA Community Panels #480644A (eff. 2/1/1998) & #4812490004A (eff. 10/25/1977)

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

Water is applied in a manner that does not allow runoff. The facility is in an arid region with an average annual rainfall of 12 inches. Precipitation that falls on the application area quickly adsorbs into the soils.

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**: DTR Wksht 3.0-5

- 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**: DTR Wksht 3.0-6

- 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
See Attachment DTR Wksht 3.0-6				

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

Attachment: See Attachment DTR Wksht 3.0-6

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: DTR Wksht 3.0-7

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: N/A

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: DW 3.0-8.A

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: DW 3.0-8.B

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
DE - Delnorte gravelly soils	0-8”	14-41 µm/sec	0.06-0.12	D
UP – Upton gravelly soils	0-3”	4-14 µm/sec	0.08-0.14	D
Kc – Kinco fine sandy loam	0-8”	14-42 µm/sec	0.08-0.12	A
MC – McCarran soils	0-10”	4-14 µm/sec	0.15-0.19	B
Mo – Monahans fine sandy loam	0-8”	14-42 µm/sec	0.0-2.9	B
PY – Pyote soils	0-34”	42-141 µm/sec	0.03-0.09	A
KD – Kermit – Dune land association	0-12”	141 µm/sec	0.05-0.07	A

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
1/2023	0.562874	7.64	5.77	8.13	1.38	470
2/2023	0.580250	4.35	4.41	8.12	1.32	470
3/2023	0.597912	5.11	4.55	7.99	1.26	470
4/2023	0.598180	7.48	5.29	8.00	1.35	470
5/2023	0.612016	7.32	5.09	8.20	1.37	470
6/2023	0.609936	5.74	7.16	8.28	1.14	470
7/2023	0.642919	4.26	4.89	8.03	1.22	470

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
8/2023	0.652825	5.76	9.26	7.96	1.27	470
9/2023	0.669593	6.88	9.43	8.06	1.25	470
10/2023	0.649119	5.31	7.74	8.05	1.30	470
11/2023	0.605770	2.55	2.74	8.01	1.03	470
12/2023	0.591874	4.19	3.14	7.82	0.66	470
1/2024	0.623548	2.35	2.44	7.97	1.31	470
2/2024	0.582835	6.26	3.00	7.67	1.55	470
3/2024	0.578593	5.23	4.03	8.20	1.39	470
4/2024	0.635450	7.29	5.66	8.02	1.31	470
5/2024	0.651781	18.53	23.95	7.91	1.26	470
6/2024	0.688346	36.28	40.12	7.99	1.12	470
7/2024	0.664503	7.00	9.21	7.88	1.62	470
8/2024	0.687070	4.09	3.63	7.91	1.58	470
9/2024	0.674690	4.74	4.92	8.08	1.33	470
10/2024	0.653738	4.42	4.26	7.91	1.46	470
11/2024	0.643950	6.74	4.54	8.07	1.23	470
12/2024	0.583371	3.75	2.02	7.96	1.24	470

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

In 12/2023, Chlorine residual of 0.66 mg/L (minimum 1.0 mg/L): The City adjusted its chlorine dose and the effluent was sent to the adjacent non-public access irrigation site south & east of the WWTP.
In 5/2024 & 6/2024, TSS of 23.95 mg/L and 40.12 mg/L (maximum 20 mg/L), respectively and in 6/2024, BOD5 of 36.28 mg/L (maximum of 20 mg/L: The TSS and BOD5 permit excursions in early summer 2024 were the result of the same event. Two sludge pumps that remove sludge from the oxidation ditch became inoperable. It took several weeks to repair the system. The sludge built up in the oxidation ditch and decanted into the system causing the excursions. Since the sludge pumps are operable, there have been no additional excursions.

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.

N/A for TLAP.

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.

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.

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

A. General information

Company Name: N/A

SIC Code: Click to enter text.

Contact name:

Address:

City, State, and Zip Code:

Telephone number:

Email address:

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:

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.

N/A

Attachment DAR 1.0-1

Fee Payment

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

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

Transaction Information

Trace Number:	582EA000653635
Date:	02/20/2025 05:02 PM
Payment Method:	CC - Authorization 000002047G
ePay Actor:	REX M THEE
Actor Email:	citymanager@cityofmonahans.org
IP:	107.128.85.97
TCEQ Amount:	$2,015.00
Texas.gov Price:	$2,060.59*

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

Payment Contact Information

Name:	REX THEE
Company:	CITY OF MONAHANS
Address:	112 W 2ND STREET, MONAHANS, TX 79756
Phone:	432-943-4343

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
751572	WW PERMIT - FACILITY WITH FLOW >= 1.0 MGD - RENEWAL		$2,000.00
751573	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		$15.00
		TCEQ Amount:	$2,015.00

ePay Again | Exit ePay

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

Attachment DAR 1.0-2

Description of Minor Amendment Change

2015 Application Flow Diagram

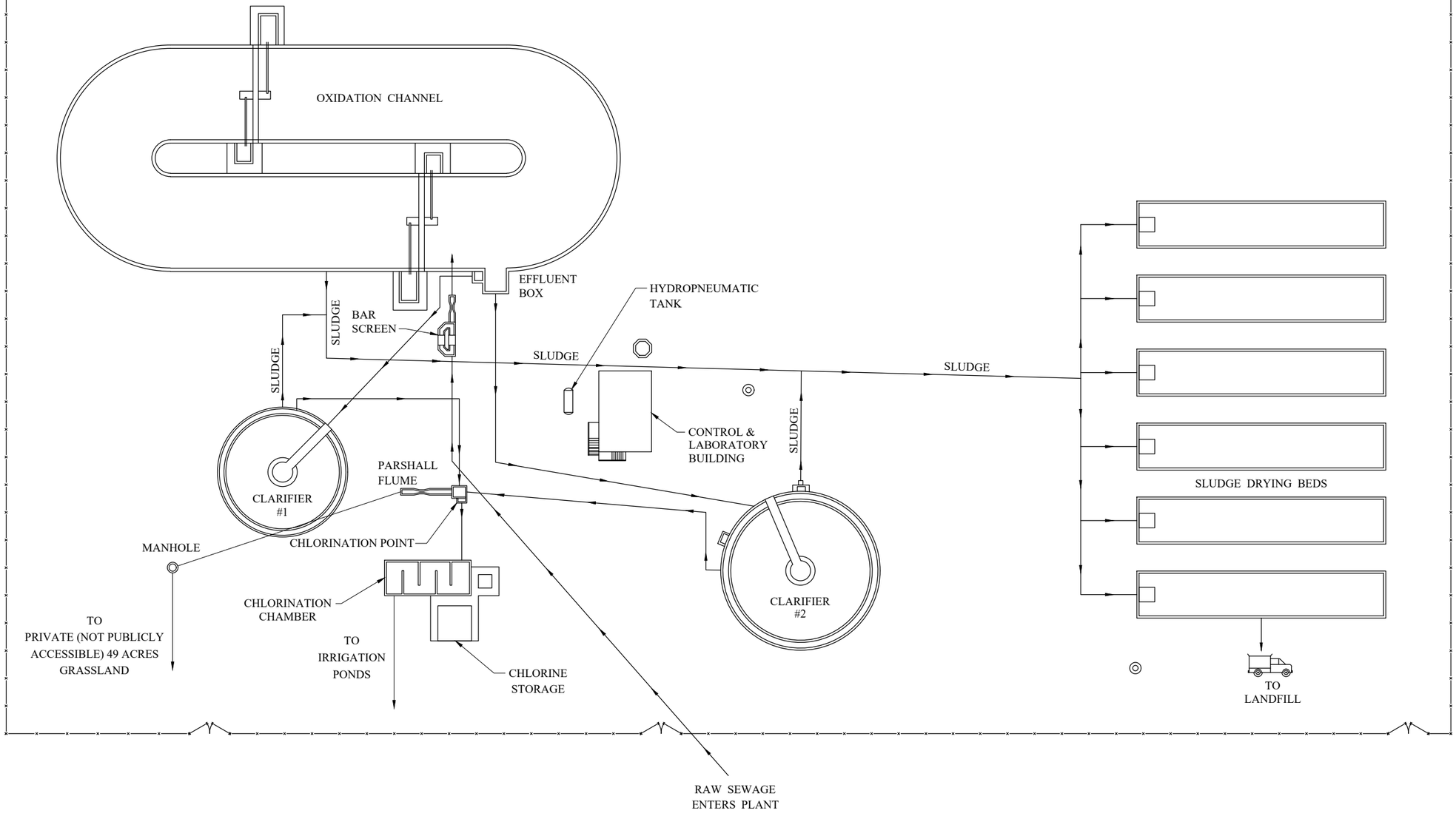
2025 Application Flow Diagram

TCEQ Email, dated 2/12/2025

Description of Minor Amendment Change
City of Monahans 1.1 MGD WWTP
Attachment DAR 1.0-2

The current Monahans WWTP TLAP shows one effluent irrigation point of compliance and set of limits. The permit assumes all flow is through the chlorine contact chamber. The limits are based on irrigation of publicly accessible land. However, the irrigation flow to the adjacent 49 acres of private (not publicly accessible) grassland is chlorinated but by-passes the chlorination chamber. The flow diagram clearly shows the existing flow path from the 2015 application (attached). The proposed 2025 flow diagram further clarifies the process as shown in the 2025 proposed flow diagram (attached following this document and also as Attachment DTR 1.0-2.C.

Per Mr. Deba Dutta's attached email, dated 2/12/2025, TCEQ will make the changes to the permit stating that the 49 acres of non-public access land won't require chlorination. The change will be via renewal with minor amendment.



N

20 0 50

SCALE IN FEET

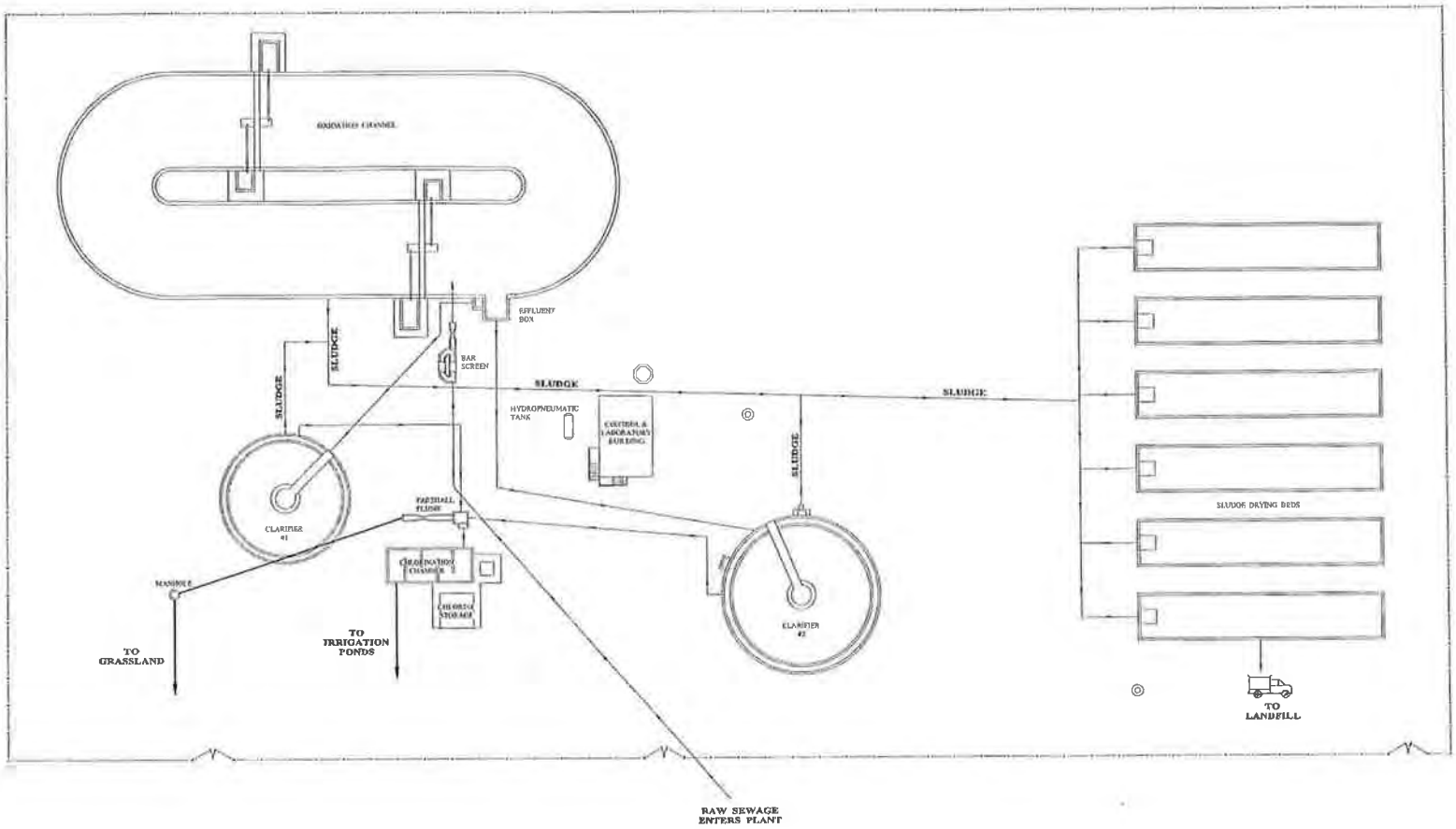
Enprotec | Hibbs & Todd

402 Cedar Street • Abilene, Texas 79601 • T: (325) 698-6590 • F: (325) 690-3240 • www.e-ht.com
PE Firm Registration No. 1151 • PG Firm Registration No. 50103 • RPLS Firm Registration No. 10011900

FLOW DIAGRAM
CITY OF MONAHANS
WWTP WQ0010224001

9041
02/14/2025

P:\Projects\Monahans, City of\9041 WWTP ELAP Renewal 2025\10. CAD\9041 - FLOW DIAGRAM.dwg



20 0 50

SCALE IN FEET

ATTACHMENT DTR 1.0-3d

FLOW DIAGRAM

CITY OF MONAHANS
WWTP-10224-001
MINOR AMENDMENT APPLICATION

09-4773 09/30/09

ENPROTEC/HIBBS & TODD, INC.
ENVIRONMENTAL AND CIVIL ENGINEERING

Luci Dunn

From: Deba Dutta <Deba.Dutta@tceq.texas.gov>
Sent: Wednesday, February 12, 2025 1:04 PM
To: Luci Dunn
Subject: FW: Question on Upcoming Monahans WWTP Permit App - changes needed (WQ0010224001)
Attachments: Monahans 2015 Permit WQ0010224001.pdf; 2015 Monahans App Flow Diagram.pdf; DTR 1.0-2.C 2025 FLOW DIAGRAM LD TCEQ.pdf

Importance: High

Thanks for contacting, Luci.

I heard your VM; however, see you won't be available during 1:00 pm-3:30 pm. So, I am responding via email.

We can make the changes to the permit stating that the 49 acres of non-public access land won't require chlorination. However, permits limits will be the same for all lands, as this is a mechanical plant. We can make the change via renewal with minor amendment.

Hope that helps. Let me know if you have any additional questions.

Thanks.
Deba Dutta
Deba P. Dutta, P.E.
Team Leader, Municipal Permits Team
Wastewater Permitting Section
Water Quality Division, TCEQ. MC-148
Texas Commission on Environmental Quality
12100 Park 35 Circle, Austin, Texas 78753
Phone: 512-239-4608
Email: Deba.Dutta@tceq.texas.gov

From: Luci Dunn <luci.dunn@e-ht.com>
Sent: Wednesday, February 12, 2025 10:47 AM
To: Deba Dutta <Deba.Dutta@tceq.texas.gov>
Cc: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: Question on Upcoming Monahans WWTP Permit App - changes needed (WQ0010224001)
Importance: High

Good Day Deba,
The current Monahans WWTP TLAP shows one effluent irrigation point of compliance and set of limits. The permit assumes all flow is through the chlorine contact chamber. The limits are based on irrigation of publicly-accessible land. However, the irrigation flow to the adjacent 49 acres of private (not publicly accessible) grassland is chlorinated

but by-passes the chlorination chamber. The flow diagram clearly shows that from the 2015 application (attached). The proposed 2025 flow diagram further clarifies the process as shown in the 2025 proposed flow diagram.
It would appear that the flow diverted to the non-public irrigation field (adjacent to the WWTP) should have a different limit set than the flow (majority of the flow) going to the effluent holding pond & then on to the publicly accessible irrigation areas.
It would appear that the standard TLAP irrigation limits of BOD5 of 100 mg/L and pH 6-9 would be applicable for the flow routed to the non-public land. I found a 2009 flow diagram in the file that was attached to a minor amendment application submitted to the TCEQ and then withdrawn. The flow diagram was being updated along with adjusting acreages. A major amendment in 2015 adjusted the irrigation areas and included landowner notices, etc. The flow diagram was included (the 2009 version from the withdrawn application), but it appears that the limits were not requested to be adjusted for the diverted flow.

The renewal application is due on or before March 5, 2025.

Since a correction is needed to add the correct set of permit limits to the existing flow to the non-public irrigation land (no changes to current set of permit limits to the publicly-accessible land), would the application qualify to be a minor amendment with renewal?

Please let me know if a call to discuss would be helpful, and we can set up a time.

Thanks,

Luci Dunn, PE
Senior Project Manager

Enprotec / Hibbs & Todd, Inc.
402 Cedar Street I Abilene, TX 79601
T (325) 698-5560 **M** (817) 694-8382
luci.dunn@e-ht.com

www.e-ht.com

Connect with eHT

Firm Registration Nos: PE 1151 I PG 50103 I RPLS 10011900

Attachment DAR 1.0-3.C

Core Data Form

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 600624985		**RN 102179835**

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:*

City of Monahans

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

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:	112 W 2nd St							
	City	Monahans	**State**	TX	**ZIP**	79756	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	citymanager@cityofmonahans.org

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(432) 940-7727		( ) -

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.)*

City of Monahans Wastewater Treatment Plant

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	2301 South Ora Ave							
	City	Monahans	**State**	TX	**ZIP**	79756	**ZIP + 4**	
24. County	Ward							

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

25. Description to Physical Location:	N/A				
26. Nearest City			**State**	**Nearest ZIP Code**	
Monahans			TX	79756	

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:	31.568611		**28. Longitude (W) In Decimal:**	102.903888	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
31	34	6.9996	102	54	13.9962

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.)*

Municipal wastewater treatment

34. Mailing Address:	**112 West 2nd St**							
	City	**Monahans**	**State**	**TX**	**ZIP**	**79756**	**ZIP + 4**	
35. E-Mail Address:	**citymanager@cityofmonahans.org**							

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(432) 943-4343		( ) -

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:
	WQ0010224001			

SECTION IV: Preparer Information

40. Name:	Luci Dunn, PE, with Enprotec / Hibbs & Todd, Inc. (eHT)	**41. Title:**	Senior Project Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(807) 694-8382		( ) -	luci.dunn@e-ht.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:	City of Monahans	**Job Title:**	City Manager	
Name *(In Print):*	Rex Thee		**Phone:**	(432) 943- **4343**
Signature:	Rex M. Thee		**Date:**	2/20/25

Attachment DAR 1.0-8.F

Plain Language Summary form TCEQ-20972

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

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

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

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

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

City of Monahans (CN600624985) operates the City of Monahans Wastewater Treatment Plant (RN102179835), a municipal sewage treatment plant. The facility is located at 2301 South Ora Ave, in Monahans, Ward County, Texas 79756. A renewal of existing permit WQ0010224001 is being requested. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain Biochemical Oxygen Demand (5-day) and Total Suspended Solids. Municipal wastewater is treated by an activated sludge process plant operated in the extended aeration mode.

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

AGUAS RESIDUALES DOMÉSTICAS /**AGUAS PLUVIALES**

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

City of Monahans (CN600624985) opera planta de tratamiento de aguas residuals de la ciudad de Monahans (RN102179835), una planta de tratamiento de aguas residuals. La instalación está ubicada en 2301 South Ora Ave, en Monahans, Condado de Ward, Texas 79756. Se solicita la renovación del permiso existente WQ0010224001. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno (5 dias) y sólidos suspendidos totales. Aguas residuals municipales. está tratado por una planta de proceso de lodos activados operada en modo de aireación extendida.

Attachment DAR 1.0-13

USGS Topographic Map

EFFLUENT HOLDING POND #2

CITY OWNED GOLF COURSE IRRIGATION AREA

MUNICIPAL AIRPORT, PUBLIC PARKS, AND CEMETERY IRRIGATION AREAS

EFFLUENT HOLDING PONDS #1 & #3

WWTP BOUNDARY

CITY OWNED GRASSLANDS IRRIGATION AREA

1 MILE RADIUS

N

1000 0 3000

SCALE IN FEET

LEGEND

- APPLICANT'S PROPERTY BOUNDARY
- TREATMENT FACILITY BOUNDARY
- EFFLUENT IRRIGATION AREAS

Enprotec | Hibbs & Todd

402 Cedar Street • Abilene, Texas 79601 • T: (325) 698-5560 • F: (325) 690-3240 • www.e-ht.com

PE Firm Registration No. 1151 • PG Firm Registration No. 50103 • RPLS Firm Registration No. 10011900

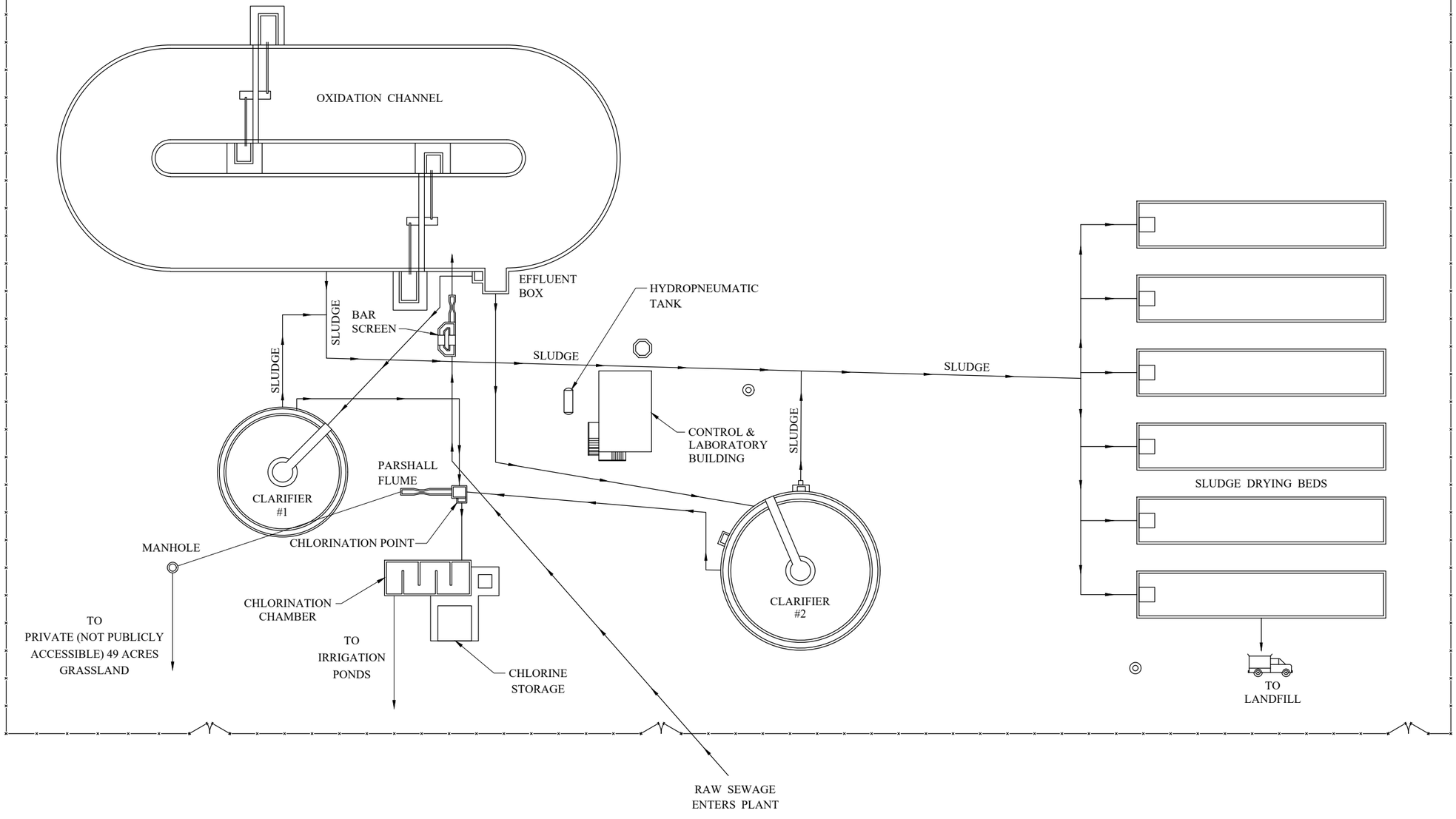
USGS TOPOGRAPHIC MAP
CITY OF MONAHANS WWTP
WQ0010224001

9041
02/11/2025

P:\Projects\Monahans, City of\9041\WWTP FLAP Renewal 2025\0. CAD\9041 - USGS DRAWING.dwg

Attachment DTR 1.0-2.C

Flow Diagram



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20 0 50

SCALE IN FEET

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FLOW DIAGRAM
CITY OF MONAHANS
WWTP WQ0010224001

9041
02/14/2025

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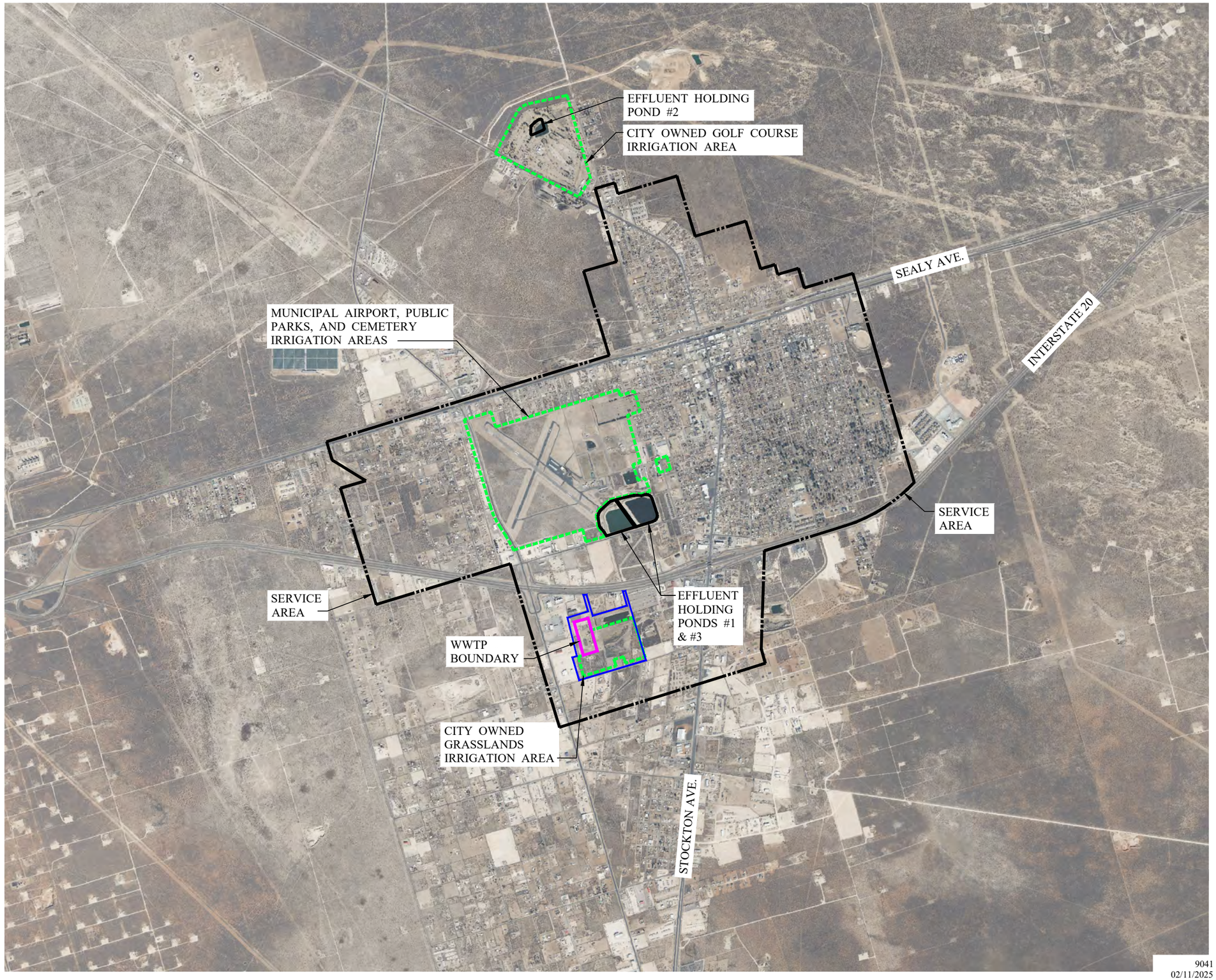
Attachment DTR 1.0-3

Site Drawing



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1000 0 3000

SCALE IN FEET

LEGEND

- APPLICANT'S PROPERTY BOUNDARY
- TREATMENT FACILITY BOUNDARY
- EFFLUENT IRRIGATION AREAS

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SITE DRAWING
CITY OF MONAHANS WWTP
WQ0010224001

9041
02/11/2025

P:\Projects\Monahans, City of\9041 WWTP TLAP Renewal 2025\10. CAD\9041 - SITE DRAWING.dwg

Attachment DTR 1.0-7

Pollutant Analyses Analytical Results

CITY OF ODESSA LABORATORY SERVICES
TEST RESULTS

Laboratory Address: 817 W. 42nd Street
Mailing Address: 817 W. 42nd Street
Odessa, TX 79764
Contact: Jason Wells
Phone: 432-368-3536
Email: jwells@odessa-tx.gov

Customer: City of Monahans
Address: 112 W. 2nd St.
Monahans, TX 79756
Sample Location: Plant
Date of Collection: 1/14/2025
Time of Collection: 8:00 AM
Collected by: Keith Mitchell
Sample receipt date: 1/14/2025
Report Number: 012225REP07

Laboratory ID Code	Parameter	Method Number	Date of Analysis	Time of Analysis	Analyst(s)	Results	Units	MQL/RL	Batch	Flag
011425334	BOD_5	SM 5210 B	1/14/2025	11:47 AM	LW:MM	3.64	mg/L	1.00	1	I
011425334	$CBOD_5$	SM 5210 B	1/14/2025	11:50 AM	LW:MM	3.03	mg/L	1.00	1	I
011425334	TSS	SM 2540 D	1/14/2025	10:55 AM	MM	1.80	mg/L	0.500	2	
011425351	Ammonia	SM 4500-NH_3 D	1/15/2025	9:36 AM	MH	< 0.200	mg/L	0.200	1	
011425350	Nitrate	EPA 300.0	1/14/2025	3:27 PM	MH	< 0.200	mg/L	0.200	1	
011425350	Chloride	EPA 300.0	1/14/2025	3:27 PM	MH	175	mg/L	20.0	1	
011425351	t-Phosphorus	SM 4500-P E	1/16/2025	8:30 AM	MH	0.750	mg/L	0.100	1	
011425352	E. coli	Colilert SM 9223 B	1/14/2025	10:56 AM	MH:CP	> 2420	MPN/100 mL	1	1	
011425350	TDS	SM 2540 C	1/15/2025	9:50 AM	GT	940	mg/L	95.0	1	
011425350	Conductivity	SM 2510 B	1/17/2025	11:46 AM	GT	1147	µmhos/cm at 25°C	100	1	
011425350	Sulfate	EPA 300.0	1/14/2025	3:27 PM	MH	102	mg/L	2.00	1	
011425353	Oil & Grease	EPA 1664, Rev B	1/14/2025	10:46 AM	GL	< 5.0	mg/L	5.00	1	

Notes:

1. The data for precision and accuracy are generated on a sample analyzed in the same batch as the customer's sample. These values may or may not have been based on the customer's sample.
2. A blank space indicates that it is either not applicable or not performed.
3. These results relate only to the samples listed.
4. This report cannot be reproduced except in full without written approval of the laboratory.
5. The results contained in this report meet all the requirements of the TNI standards for accreditation.
6. MQL = Minimum Quantitation Level, LCS = Laboratory Control Sample, MD = Matrix Duplicate, MS = Matrix Spike MSD = Matrix Spike Duplicate.
7. Samples will be disposed of at the end of the method holding time or 30 days from the date the report is mailed to the customer, whichever is shorter.
8. The Alkalinity reported as mg/L $CaCO_3$ to a pH of 4.5 equals the Alkalinity result(s) listed above.
9. Analysis performed by City of Odessa's Contract Lab.
10. Explanation of Flags used in this report:
    I - The BOD or CBOD dilution water blank for the batch was outside the blank acceptance criteria. Results are reported based on other quality control analyses.

Jason Wells — Laboratory Management
1/22/25 — Date
Melissa Pipes — Quality Assurance Officer
1/22/25 — Date

QUALITY CONTROL RESULTS

for Report No.
012225REP07

BOD_5, mg/L

Batch: 1

Blank Limit: ≤ 0.20 mg/L		MD Precision Limit: ≤ 25%				LCS Accuracy Limit: 84.6 - 115.4%			
Blank	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
0.25	I	291	260	11.3		212.7	198	107.4	

$CBOD_5$, mg/L

Batch: 1

Blank Limit: ≤ 0.20 mg/L		MD Precision Limit: ≤ 30%				LCS Accuracy Limit: 84.6 - 115.4%			
Blank	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
0.23	I	5.59	5.33	4.76		182.9	198	92.4	

TSS, mg/L

Batch: 2

Blank Limit: < 0.500 mg/L		MD Precision Limit: < 50 mg/L ≤ 15% Limit: 50 - 500 mg/L ≤ 10% Limit: > 500 mg/L ≤ 15%			
Blank	Flag	Sample Reading	MD Reading	RPD	Flag
< 0.500		5.40	5.00	7.69	

LCS Accuracy Limit: 90-110%			
LCS Conc	Known Conc	% Recovery	Flag
9.97	10.0	99.7	

QUALITY CONTROL RESULTS

for Report No.

012225REP07

Ammonia, mg/L

Batch: 1

Blank MQL = 0.200			MD Precision Limit: ≤ 10%				LCS Accuracy Limit: 90-110%			
Reading	MDL	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
ND	0.060		21.2	21.1	0.47		25.1	25.0	100.4	

MSD Precision Limit: ≤ 10%				MS Accuracy Limit: 80-110%					
MS Reading	MSD Reading	RPD	Flag	MS Reading	MSD Reading	Sample Reading	MS Conc	MS % Recovery	MSD % Recovery	Flag
40.9	40.7	0.49		40.9	40.7	21.2	20.0	98.5	98.0	

Initial Verification Standard Accuracy Limit: 90 - 110%				Final Verification Standard Accuracy Limit: 90 - 110%			
Ver. Std Reading	Ver. Std Conc	% Recovery	Flag	Ver. Std Reading	Ver. Std Conc	% Recovery	Flag
10.2	10.0	102.0		10.1	10.0	101.0	

Nitrate, mg/L

Batch: 1

Blank MQL = 0.200			MD Precision Limit: ≤ 10%				LCS Accuracy Limit: 90 - 110%			
Reading	MDL	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
ND	0.038		0.690	0.686	0.58		7.121	7.000	101.7	

MSD Precision Limit: ≤ 10%				MS Accuracy Limit: 90-110%					
MS Reading	MSD Reading	RPD	Flag	MS Reading	MSD Reading	Sample Reading	MS Conc	MS % Recovery	MSD % Recovery	Flag
5.706	5.708	0.04		5.706	5.708	0.690	5.00	100.3	100.4	

Initial Verification Standard Accuracy Limit: 90 - 110%				Final Verification Standard Accuracy Limit: 90 - 110%			
Ver. Std Reading	Ver. Std Conc	% Recovery	Flag	Ver. Std Reading	Ver. Std Conc	% Recovery	Flag
4.988	5.000	99.8		5.131	5.000	102.6	

QUALITY CONTROL RESULTS

for Report No.
012225REP07

Chloride, mg/L

Batch: 1

Blank MQL = 20.0			MD Precision Limit: ≤ 10%				LCS Accuracy Limit: 90 - 110%			
Reading	MDL	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
ND	0.745		490.93	491.07	0.03		86.683	85.0	102.0	

MSD Precision Limit: ≤ 10%				MS Accuracy Limit: 70-130%						
MS Reading	MSD Reading	RPD	Flag	MS Reading	MSD Reading	Sample Reading	MS Conc	MS % Recovery	MSD % Recovery	Flag
606.48	602.87	0.60		606.48	602.87	490.93	130.0	88.9	86.1	

Initial Verification Standard Accuracy Limit: 90 - 110%				Final Verification Standard Accuracy Limit: 90 - 110%			
Ver. Std Reading	Ver. Std Conc	% Recovery	Flag	Ver. Std Reading	Ver. Std Conc	% Recovery	Flag
50.636	50.0	101.3		52.075	50.0	104.2	

Total Phosphate, mg/L

Batch: 1

Blank MQL = 0.100			MD Precision Limit: ≤ 10%				LCS Accuracy Limit: 90-115%			
Reading	MDL	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
ND	0.043		1.20	1.21	0.41		0.393	0.400	98.3	

MSD Precision Limit: ≤ 10%				MS Accuracy Limit: 90-115%						
MS Reading	MSD Reading	RPD	Flag	MS Reading	MSD Reading	Sample Reading	MS Conc	MS % Recovery	MSD % Recovery	Flag
0.581	0.587	1.03		0.581	0.587	0.481	0.100	100.0	106.0	

Initial Verification Standard Accuracy Limit: 90 - 110%				Final Verification Standard Accuracy Limit: 90 - 110%			
Ver. Std Reading	Ver. Std Conc	% Recovery	Flag	Ver. Std Reading	Ver. Std Conc	% Recovery	Flag
0.245	0.250	98.0		0.248	0.250	99.2	

QUALITY CONTROL RESULTS

for Report No.
012225REP07

E. coli, MPN/100 mL

Batch: 1

MD Precision			
Low Range (both counts <10) Range of Logs ≤ 0.9848		High Range (at least one count ≥10) Range of Logs ≤ 0.8798	
Sample Reading	MD Reading	Range of Logs	Flag
< 1	1.0	NC	

Total Dissolved Solids, mg/L

Batch: 1

Blank Limit: ± 0.0004 g		MD Precision Limit: ≤ 10%				LCS Accuracy Limit: 90-110%			
Blank	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
± 0.0004 g		2380	2400	0.84		1480	1534	96.5	

Conductivity, µmhos/cm at 25°C

Batch: 1

Blank ≤ 2.00 µmhos/cm			MD Precision Limit: ≤ 10%				LCS Accuracy Limit: 90-110%			
Reading	MQL	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
ND	100		1660	1661	0.06		1435	1412	101.6	

QUALITY CONTROL RESULTS
for Report No.
012225REP07

Sulfate, mg/L
Batch: 1

Blank MQL = 2.00			MD Precision Limit: ≤ 10%				LCS Accuracy Limit: 90 - 110%			
Reading	MDL	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
ND	0.497		286.96	286.78	0.06		47.121	45.0	104.7	

MSD Precision Limit: ≤ 10%				MS Accuracy Limit: 75-110%						
MS Reading	MSD Reading	RPD	Flag	MS Reading	MSD Reading	Sample Reading	MS Conc	MS % Recovery	MSD % Recovery	Flag
359.32	357.21	0.59		359.32	357.21	286.96	80.0	90.5	87.8	

Initial Verification Standard Accuracy Limit: 90 - 110%				Final Verification Standard Accuracy Limit: 90 - 110%			
Ver. Std Reading	Ver. Std Conc	% Recovery	Flag	Ver. Std Reading	Ver. Std Conc	% Recovery	Flag
31.200	30.0	104.0		31.450	30.0	104.8	

Oil & Grease, mg/L
Batch: 1

Blank RL = 5.00		MSD Precision Limit: ≤ 18.0%				LCS Accuracy Limit: 78 - 114%			
Reading	Flag	MS Reading	MSD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag
ND		46.6279	46.9767	0.75		32.1000	40	80.2	

MS Accuracy Limit: 78 - 114%								
MS Reading	MSD Reading	MS True Value	MSD True Value	Sample Reading	MS Conc	MS % Recovery	MSD % Recovery	Flag
46.6279	46.9767	46.5116	46.5116	1.0345	40	100.3	101.0	

City of Odessa Laboratory Services 817 W. 42nd St., Odessa, TX 79764 (432) 368-3536 **Chain of Custody Record**

Samples accepted: Monday - Thursday 8:00 am - 2:00 pm

MP 1/14/25

Customer: City of Monahans **Contact:** Bobby

Address: 112 W 2nd Monahans TX 79756 **Telephone No.:** 9434343 **Fax No.:**

Email address:

COC ID # / Field Identification	Collection Date	Collection Time	Sample Collector	Sample Type	# of Containers	Preservation Type	Analysis Requested: TSS (P)	BOD (P)	CBOD (P)	NH3-N (P)	Conductivity pH (P) (P)	Nitrates (P) FOC (G)	Sulfate (P) SUVA (G)	Chloride (P) No Headspace (P)	E. coli (P)****	Total Phosphorus (P)	TDS	O&G	pH Preservation Check**
D11425COC07 / Plant (*)	1-14-25	8:00 Am	Keith Mitchell	G	1	R	✓	✓	✓		✓	✓	✓	✓			✓		
				G	1	R,A				✓						✓			✓
				G	1	R, S, O 1/2/24									✓				
				G	2	R,A												✓	

Relinquished By	Date	Time	Received By	Date	Time
Keith Mitchell	1-14-25	10:19		1-14-25	10:19

Comments

(*) Lab ID code: 011425350

(**) TSS/BOD/CBOD analysis performed on Monahans Sample ID 011425334. MP 1/14/25

Legend:
(P) = Plastic
(G) = Glass
C = Composite
G = Grab
R = Cool
A = Acid to pH <2.0 SU
N = None Required
S = Sterile, Sodium Thiosulfate
O = Other:
**Check mark = pH < 2.0 SU

Sample Receipt Conditions:

☒ Collected same day Received on ice ☐ Collected previous day Received on ice

☐ Thermal preservation not required

Temperature: * 8.4 + 1.6 = 10.0 °C

****When Present: E. coli Sample Temperature: 7.5 + 1.6 = 9.5 °C

Method of shipment: ☒ Hand Delivery ☐ Bus ☐ Other

Tracking or shipping number:

☐ If checked, see attached Sample Rejection & Comment Form

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL
The Science of Sure

Project
1132803

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed 01/21/2025
11:49

TABLE OF CONTENTS

This report consists of this Table of Contents and the following pages:

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL
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1

SAMPLE CROSS REFERENCE

Project
1132803

Printed 1/21/2025

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Sample	Sample ID	Taken	Time	Received
2373587	*PLANT*	01/14/2025	08:00:00	01/16/2025

Bottle 01 8 oz Plastic H2SO4 pH < 2
Bottle 02 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1156851) Volume: 20.00000 mL <== Derived from 01 (20 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 2	02	1156851	01/20/2025	1157073	01/21/2025

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL
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1
2

ODES-W

Project
1132803

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed: 01/21/2025

RESULTS

Sample Results

2373587 **PLANT**

Non-Potable Water | *Collected by:* Client | City of Odessa | *Taken:* 01/14/2025 08:00:00 | *Received:* 01/16/2025 | *PO:* 22201773 - 01

EPA 351.2 2 — *Prepared:* 1156851 01/20/2025 08:51:33 — *Analyzed* 1157073 01/21/2025 07:34:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Total Kjeldahl Nitrogen**	**0.574**	**mg/L**	0.050		**7727-37-9**	02

Sample Preparation

2373587 **PLANT**

01/14/2025 | *Received:* 01/16/2025 | 22201773 - 01

Prepared: 01/16/2025 19:31:28 — *Calculated* 01/16/2025 19:31:28 CAL

z	**Environmental Fee (per Sampling**	**Verified**

EPA 351.2, Rev 2.0 — *Prepared:* 1156851 01/20/2025 08:51:33 — *Analyzed* 1156851 01/20/2025 08:51:33 MEG

NELAC	**TKN Block Digestion**	**20/20**	**ml**	01

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL
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1
2

ODES-W

Project
1132803

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed: 01/21/2025

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

SPL The Science of Sure

1
2
3

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1132803

Printed 01/21/2025

Analytical Set 1157073

EPA 351.2 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Kjeldahl Nitrogen	1156851	ND	0.00712	0.050	mg/L	127235596

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.37	5.00	mg/L	107	90.0 - 110	127235585
Total Kjeldahl Nitrogen	5.38	5.00	mg/L	108	90.0 - 110	127235586
Total Kjeldahl Nitrogen	5.40	5.00	mg/L	108	90.0 - 110	127235589
Total Kjeldahl Nitrogen	5.39	5.00	mg/L	108	90.0 - 110	127235599
Total Kjeldahl Nitrogen	5.39	5.00	mg/L	108	90.0 - 110	127235609
Total Kjeldahl Nitrogen	5.44	5.00	mg/L	109	90.0 - 110	127235617
Total Kjeldahl Nitrogen	5.40	5.00	mg/L	108	90.0 - 110	127235625

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2373033	ND	ND	mg/L		20.0
Total Kjeldahl Nitrogen	2373100	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.42	5.00	mg/L	108	90.0 - 110	127235584

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1156851	4.59	4.76	5.00	90.0 - 110	91.8	95.2	mg/L	3.64	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Total Kjeldahl Nitrogen	2373033	4.48	ND	5.00	mg/L	89.6	80.0 - 120	127235602
Total Kjeldahl Nitrogen	2373100	4.24	ND	5.00	mg/L	84.8	80.0 - 120	127235605

* Out RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100%

Recover% is Recovery Percent: result / known * 100%

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV -Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)

Email: Kilgore.ProjectManagement@spllabs.com

1132803 CoC Print Group 001 of 001

SPL

ANA-LAB CORP. THE COMPLETE SERVICE LAB

Shipping: 2600 Dudley Rd Kilgore, TX 75662
903.984.0551 www.ana-lab.com

Mailing: P O Box 9000 Kilgore, TX 75663
Fax: 903.984.5914 e-mail: corp@ana-lab.com

Chain of Custody

Panhandle 806.355.3556 | Oklahoma 405.590.2533 | North Texas 972.937.9412 | Central Texas 512.821.0045
Rio Grand Valley 956.831.6437 | Louisiana 318.219.9300 | Gulf Coast 281.333.9414

Report To: Jason Wells	Project Name/Location: City of Monahans Permit Renewal		
Company Name: City of Odessa	Billing Address (if different): Same		
Address: 817 W. 42nd St			
City: Odessa State: TX Zip: 79764	City: State: Zip:		
Phone: 432-368-3536 Fax: ~~915~~ email: jwells@odessa-tx.gov	Phone: Fax:		
Sampler Signature: Keith Mitchell	Printed Name: Keith Mitchell	Affiliation: City of Monahans	PO Number: 2250036

Lab Number Do Not Use	Field Identification	Date	Time	Matrix	# of Containers	Notes	Analysis Requested: NXT
2373587	Plant	1-14-25	9:30 AM	WW	1	250mL, H_2SO_4	✓

Date	Time	Relinquished by:	Signature	Affiliation
1-14-25	10:15AM	Printed Name: Keith Mitchell	Keith Mitchell	City of Monahans
1-14-25	10:25	Irene Vasquez	Irene Vasquez	City of Odessa LAB
1/15/25	14:17	Jason Wells	Jason Wells	Odessa Lab
1-16-25	1015		FED EX	

Received by:	Signature	Affiliation
Printed Name: Irene Vasquez		City of Odessa LAB
Jason Wells	Jason Wells	Odessa Lab
FED EX Andy Owens - SPL, Inc.		

☑ Wastewater ☐ Drinking Water ☐ SW846
Samples Contain? ☐ HF ☐ CN ☐ S= ☐ other##

##comments

Samples Received on Ice? ☒ Yes ☐ No
Cooler/Sample Secure? ☒ Yes ☐ No
Method of Shipment ☐ Bus ☑ FedEx ☐ Lone Star ☐ UPS ☐ Hand Delivered ☐ Airborne ☐ Other
Tracking or Shipping Number _____
Requested TAT ☑ Routine ☐ 3 day ☐ 2 Day ☐ Next Day

Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

CITY OF MONAHANS
NAME OF PLANT – Monahans Waste Water Treatment Plant

TEXAS WATER QUALITY BOARD
MONTHLY OPERATING REPORT

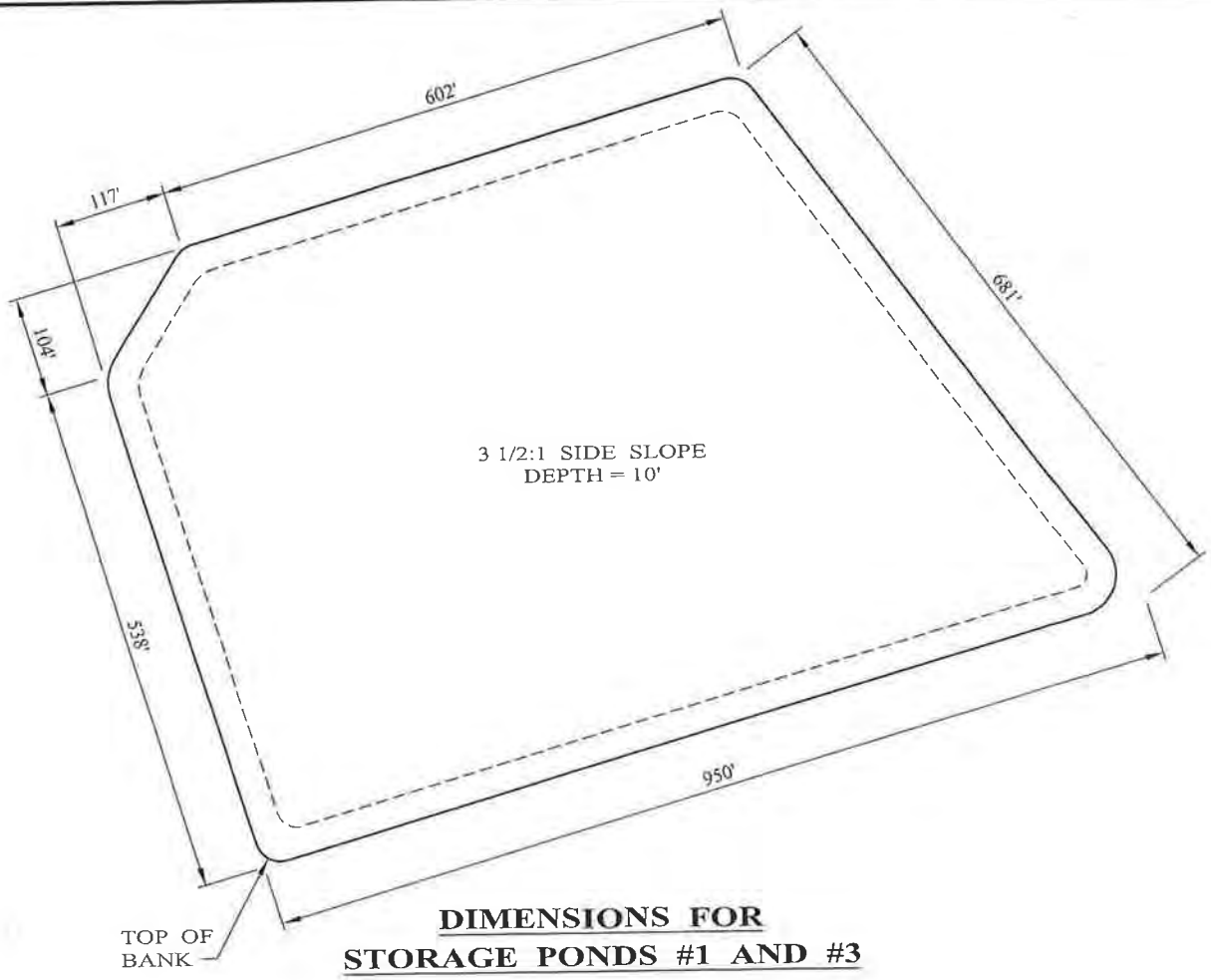
MONTH Dec 2024
PERMIT NO. – 10224-01

1	2	3	4				5				6					
			SEWAGE FLOW				RAW INFLUENT				FINAL EFFLUENT					
DATE	30 min A.M.	30 min P.M.	Influent gpd	Effluent gpd	S.S. ml/l	BOD ml/l	TSS ml/l	SS ml/l	BOD mg/l	DO mg/l	TSS mg/l	RS %	pH	Temp °F	Cl_2 Residual-mg/l	Chlorine used-lbs.
1			583100	477200											—	5
2			632800	507300											.96	10
3			632800	515100					3.45	—	1.60		831		.73	15
4			272400	207400											.97	10
5			940600	228000											1.00	3
6			551400	9200											1.13	10
7			622800	16400											—	10
8			556800	12106											—	10
9			651400	19606											1.28	6
10			610000	138000						0.3					2.10	14
11			595300	19300					2.88		1.20		759		0.96	20
12			548200	32300											1.24	24
13			599700	15000											1.98	26
14			565400	12100											—	18
15			559500	13300											—	20
16			637500	15200											1.22	20
17			606700	13000					2.11	0.4	1.30		8.15		1.58	20
18			688900	333900											1.10	12
19			607300	523200											1.08	16
20			593800	505800											1.24	16
21			596900	513900											—	16
22			557400	467800											—	16
23			574400	488000											0.5	20
24			538400	518400											1.34	18
25			542700	570600											0.66	4
26			509200	526200											1.34	6
27			574600	533900						0.3					1.20	2
28			553000	495900											—	7
29			551100	508200											—	7
30			553700	493900					6.48	0.3	4.00		7.79		2.10	10
31			548200	466400											1.63	8
Total			18146500	9094400					14.92	1.3	8.1		31.84		27.34	399
Avg.			585371	293367					3.75	0.33	2.02		7.96		1.24	12.87

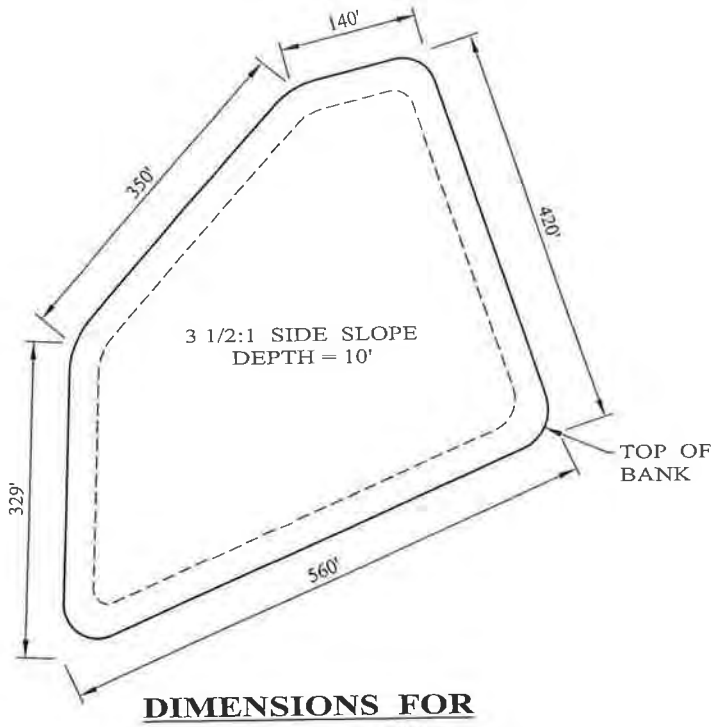
Signature of Operator Mike Mitchell **Certificate No.** WW 000 7536 **Grade** C

Attachment DTR Wksht 3.0-3

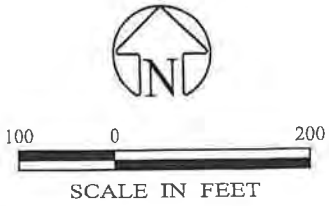
Pond Liner Drawing Sheets



DIMENSIONS FOR STORAGE PONDS #1 AND #3



DIMENSIONS FOR STORAGE POND #2



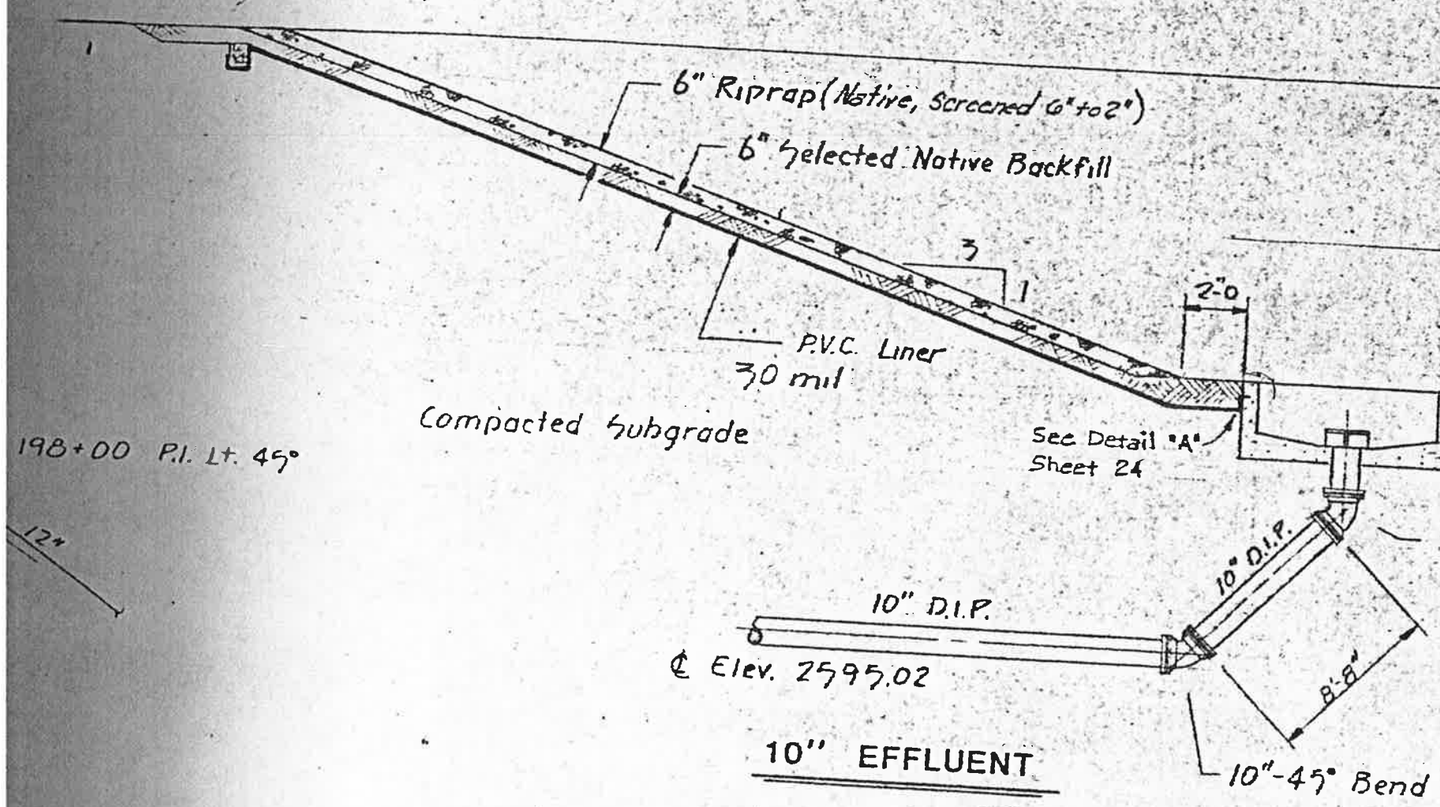
ATTACHMENT DW 3.0-3

DOMESTIC WORKSHEET 3.0-3

CITY OF MONAHANS W.W.T.P.
RENEWAL APPLICATION

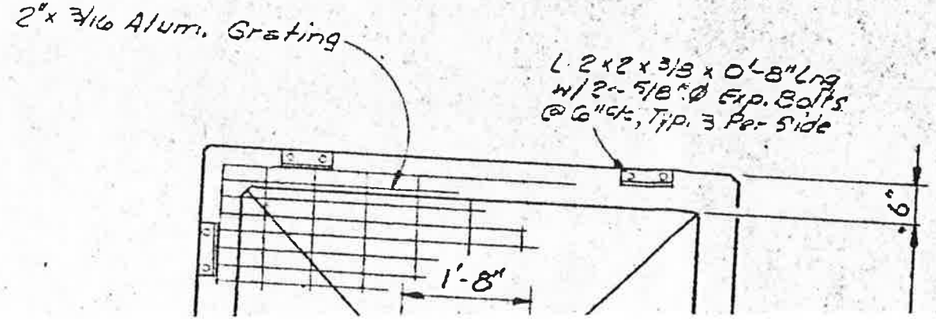
04-3084 2/15/05

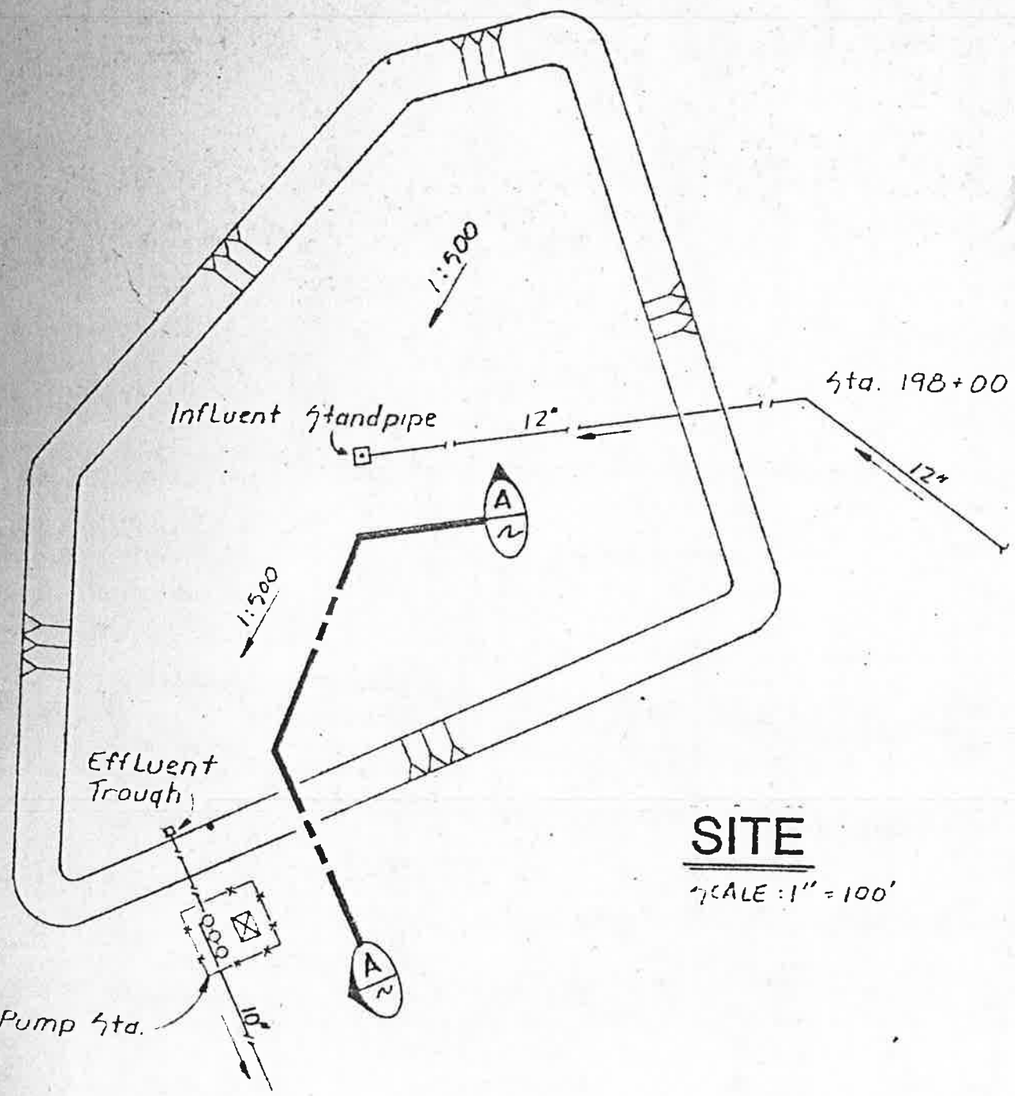
HIBBS & TODD, INC.
ENVIRONMENTAL AND CIVIL ENGINEERING
402 Cedar Street Abilene, Texas 79601



SECTION A-A

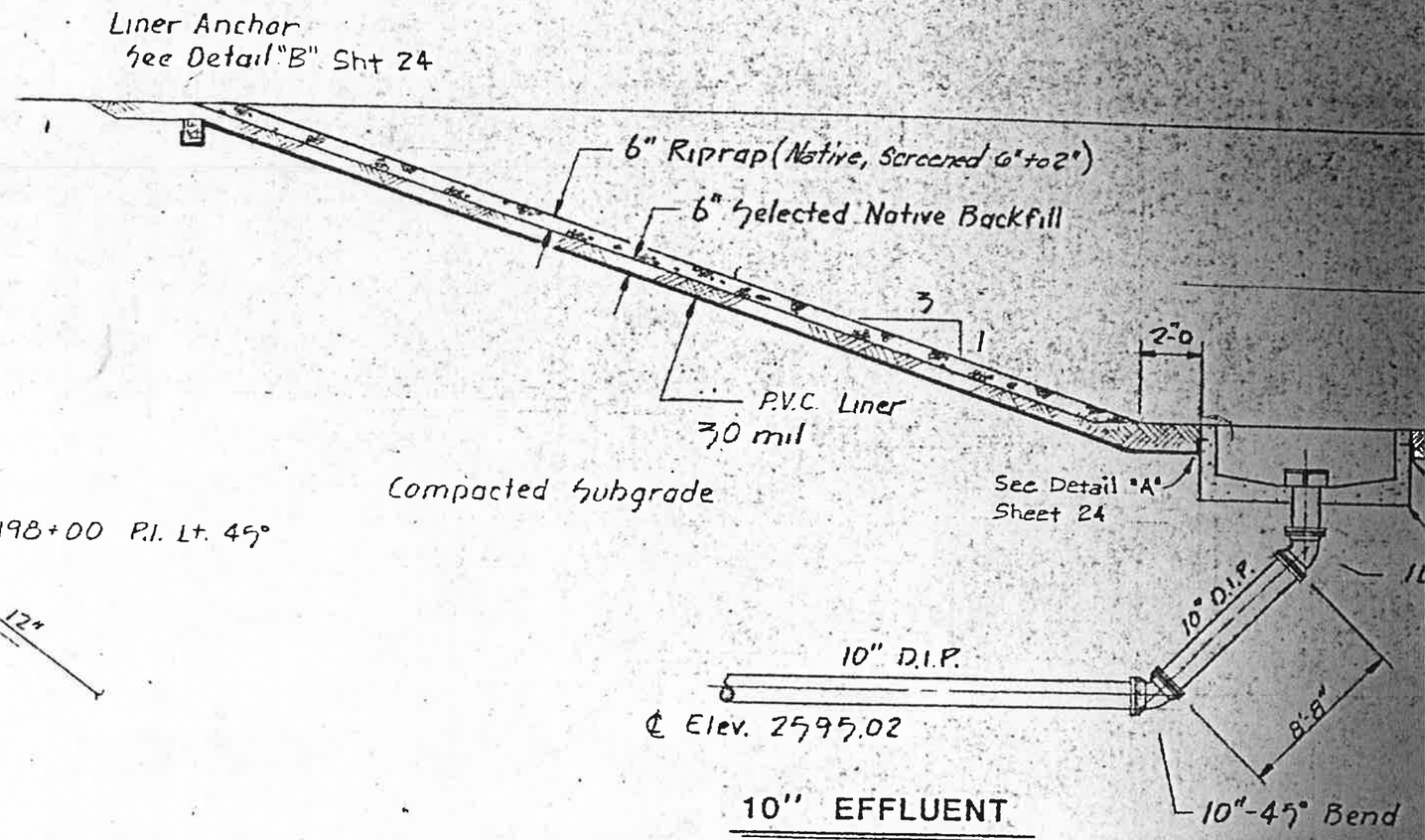
SCALE: 1" = 5'-0"



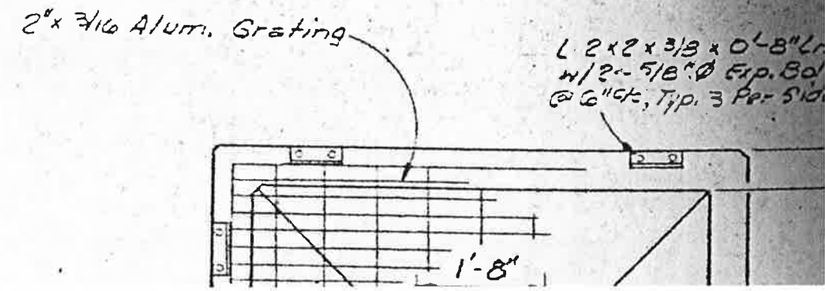


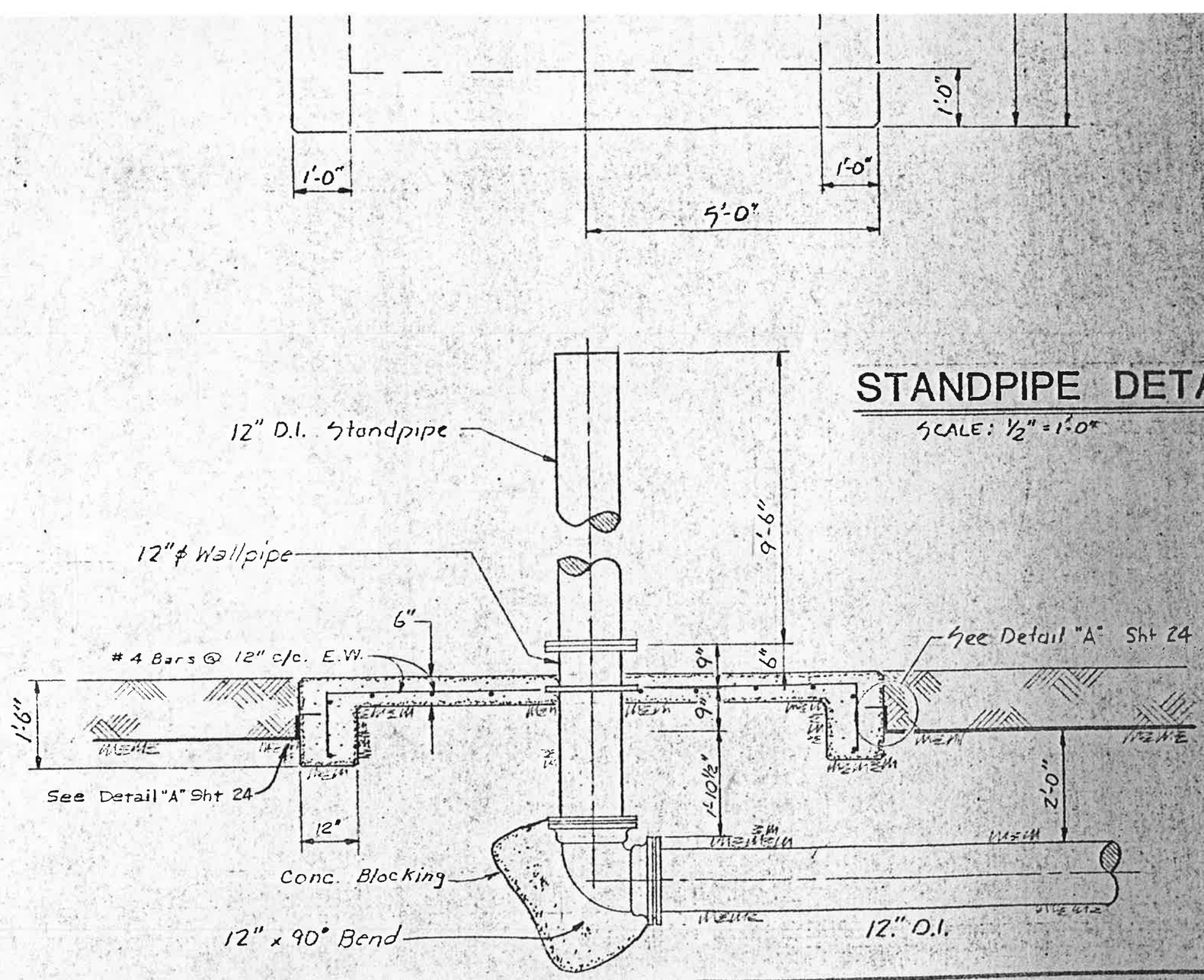
SITE

SCALE: 1" = 100'



10" EFFLUENT





STANDPIPE DETAIL

SCALE: ½" = 1'-0"

RECLAMATION
MPROVEMENTS

MONAHANS, TEXAS

ESMOND-HANER, INC.
ENGINEERS-PLANNERS-SURVEYORS
AMARILLO MIDLAND ODESSA

RESERVOIR # 2

DETAILS

DATE JULY, 1981 SHEET 26 OF 50

Attachment DTR Wksht 3.0-5

Annual Cropping Plan

Annual Cropping Plan
City of Monahans 1.1 MGD WWTP
Attachment Wkst 3.0-5

The City of Monahans has an average rainfall of 12.86 inches per year and is considered an arid region. There are 470 acres of irrigated lands with the majority of the land publicly accessible (a golf course, public park, cemetery, the area surrounding the airport), and the grasslands adjacent to the south and east of the WWTP. None of the irrigation acreage is used for crop cultivation.

a. A soils map for each irrigation area is attached for DTR Worksheet 3.0–7.a.

b. The ball park is planted with a hybrid Bermuda grass that is routinely cut for recreational uses. Irrigation is reduced in the winter months when the grass is dormant; however some irrigation is necessary in this arid region to maintain soil moisture and a healthy root system.

The cemetery is planted with Bermuda and other ornamental plants. The cemetery is routinely mowed. Irrigation is also reduced in the winter months but occurs to maintain soil moisture and healthy root system.

The airport was not irrigated during this permit term. The airport is also planted with Bermuda and is routinely mowed.

The golf course is planted with a hybrid grass designed for golf course use. The grasses are also designed to not go completely dormant in the winter. Irrigation also is reduced in the winter months.

The grasslands are planted with Bermuda hay in the summer and winter rye in the winter. Oats and wheat are also grown. The crops are harvested three times a year and livestock are allowed to graze.

1.	Golf Course:	113 acres	Bermuda Grass
2.	Public parks, ball fields, & cemetery	123 acres	Bermuda Grass
3.	Ward County Golf Course	113 acres	Bermuda Grass
4.	Area South & East of WWTP	49 acres	Native Grasses
		470 acres	

c. The growing season for the grasses is generally March through October. However, in Ward County low temperatures are above freezing 10 months a year. Irrigation on the parks and cemetery increases in mid-February and typically continues until mid-November. No irrigation occurs when the ground is frozen to prevent run-off.

d. The nutrient requirements for Nitrogen are approximately 200 lbs/acre/year for Bermuda Grasses, 100 lbs/acre/yr for native grasses, and approximately 125 lbs/acre/year of Phosphorus for both grasses.

e. The parks, golf course, cemetery, and golf course grasses are mowed, as needed. The grass lands are harvested three times a year and cattle are allowed to graze.

f. Occasionally, well water is used at the golf course and on sports fields during the summer months when the amount of effluent water available is insufficient due to evaporation. No additional supplemental water occurs on the grass lands and cemetery.

g. The grasses are highly salt tolerant. A salt tolerance of 8.0 mhos/cm is used in the water balance per 30 TAC §309 Table 3.

h. No additional fertilizers are used on the irrigated areas.

i. The grasses are mowed, as needed. Harvesting and grazing occurs on the grass land irrigation area to help prevent build-up of nutrients in the soils. Additionally, the irrigation sprinklers are moved from one location to another within some of the permitted areas.

j. Aside from the harvesting, mowing, and grazing no additional fertilizers are used to help prevent nutrient build up.

Attachment DTR Wksht 3.0-6
Water Well Data

Table 3.0(3) – Water Well Data Summary Table
Water Well Report Excerpt with USGS Map

Monahans WWTP TLAP
WQ0010224001

Attachment DTR Wksht 3.0-6
Table 3.0(3)
Water Well Table

ID	WELL_NO	MAP KEY LOC	DATE DRILL	DEPTH DRILL	WATER USAGE	CURRENT PARCEL OWNER	X	Y	DISTANCE (MILES)	DISTANCE (FEET)	DIRECTION	ELEV (FEET	ELEV FEET DIFF	Proposed BMP
857709991	4525314	1	1948	160	Unused		-102.9042017	31.5882917	0	0	NE	2609.8	2	
857668447	4525313	2	1948	160	Unused		-102.9025441	31.58677458	0	0	ENE	2609.0	1	
857698624	4525603	3	1953	140	Irrigation	CITY OF MONAHANS	-102.9068168	31.58299901	0	0	SSW	2606.0	-2	1 & N/A for Irrigation Well
857698201	4525312	4	1948	149	Unused		-102.9001515	31.58630429	0	0	E	2609.0	1	
857690205	4525317	5	1951	160	Unused		-102.9008238	31.58905828	0	0	ENE	2610.1	2	
857719892	4525602	6	1948	160	Unused	CITY OF MONAHANS	-102.898611	31.5825	0	0	ESE	2607.1	-1	
857710265	4525316	7	1955	165	Unused	CITY OF MONAHANS	-102.9156386	31.58628125	0	0	W	2605.8	-2	
857663827	4525601	8	1948	160	Unused	CITY OF MONAHANS	-102.8973236	31.57860747	0	0	SE	2606.5	-1	
857677665	4525309	11	1946	150	Irrigation	CITY OF MONAHANS	-102.9064952	31.60787512	0	0	N	2622.8	15	2 & N/A for Irrigation Well
857688316	4525310	12	1946	170	Unused	CITY OF MONAHANS	-102.9097168	31.61005375	0	0	N	2616.8	9	
857627074	4525311	13	1945	150	Unused	CITY OF MONAHANS	-102.9133861	31.60978421	0	0	NNW	2625.7	18	
857621647	4525308	14	1944	150	Irrigation	CITY OF MONAHANS	-102.9065388	31.61105376	0	0	N	2627.1	19	2 & N/A for Irrigation Well
857737278	4525307	16	1946	150	Unused	CITY OF MONAHANS	-102.91142	31.61314659	0	0	NNW	2630.5	23	
857715455	4525604	20	1954	156	Unused	ARCP ID MESA	-102.914268	31.58006969	0.05	261	SW	2604.1	-4	
857668444	4525306	24	1954	160	Unused	SEALY & SMITH FDN	-102.9126268	31.61366796	0.07	372	NNW	2631.9	24	
857744031	4525315	35	1952	221	Unused	MONAHANS ISD M-W-P	-102.8967129	31.58573269	0.11	586	E	2609.4	1	
857668448	4525322	37	1945	221	Unused	GALLAGHER RHONDA	-102.9023456	31.59301654	0.13	687	NNE	2613.5	6	
857648168	4525302	38	1958	123	Domestic	MONAHANS ISD M-W-P	-102.895	31.586111	0.13	693	E	2610.2	2	3
857675154	4525616	39	1953	120	Domestic	ACOSTA STACIE ANN	-102.9139266	31.57642019	0.13	712	SW	2602.6	-5	3
857698209	4525605	40	1954	154	Unused	LUNA STEVEN	-102.9130361	31.57437088	0.15	798	SSW	2600.7	-7	
857621654	4525617	42		107	Domestic	PROUGH MICHAEL	-102.9135323	31.57522965	0.15	811	SW	2601.0	-7	3
857621653	4525611	44	1968	180	Domestic	BRENAS & MARTHA BRIDGES	-102.9167768	31.58150628	0.16	849	WSW	2604.4	-3	3
857701281	4525610	45	1954	100	Unused	PORRAS ESEQUIEL O &	-102.916944	31.581944	0.16	851	WSW	2604.4	-3	
857678092	4525612	46	1968	180	Domestic	WILLIAMS KENNITH	-102.9166534	31.58114297	0.16	852	WSW	2604.4	-4	3
857744297	4525609	46	1964	175	Aquaculture	WILLIAMS KENNITH	-102.9166534	31.58114297	0.16	852	WSW	2604.4	-4	3
857701282	4525614	48	1966	168	Domestic	SALAZAR DAVID	-102.9156811	31.5784781	0.16	855	SW	2602.3	-6	3
857621646	4525303	50	1948	93	Unused	MONAHANS ISD M-W-P	-102.894167	31.586389	0.17	898	E	2610.7	3	
857706950	4525513	59		120	Domestic	ARROYO NAVIL	-102.91776	31.5818955	0.21	1099	WSW	2603.9	-4	3
857688992	4525615	63	1971	170	Domestic	TOWN OF THORNTONVILLE	-102.9167473	31.57877571	0.22	1139	WSW	2602.2	-6	3
857690208	4525323	64	1963	100	Irrigation	GALLAGHER RHONDA	-102.9037494	31.59259212	0.22	1147	NNE	2612.9	5	3
857715451	4525321	68	1946	220	Plugged or Destroyed	GALLAGHER RHONDA DAUGHERTY & DANNY L	-102.9044923	31.59240478	0.25	1294	NNE	2612.7	5	
857678093	4525618	69	1959	100	Domestic	AUBURG JESSE LEE &	-102.9149642	31.57435674	0.26	1348	SW	2600.7	-7	3
857689542	4525201	71	1937	95	Industrial	ORTIZ SELENA MARIE	-102.9202525	31.58795925	0.26	1385	W	2608.3	0	3
857647393	4525607	74	1940	102	Unused	MARQUEZ VENTURES	-102.8921362	31.57791282	0.27	1409	ESE	2606.9	-1	

Attachment DTR Wksht 3.0-6
Table 3.0(3)
Water Well Table

ID	WELL_NO	MAP KEY LOC	DATE DRILL	DEPTH DRILL	WATER USAGE	CURRENT PARCEL OWNER	X	Y	DISTANCE (MILES)	DISTANCE (FEET)	DIRECTION	ELEV (FEET	ELEV FEET DIFF	Proposed BMP
857648172	4525324	75	1930	450	Unused	MONAHANS ISD M-W-P	-102.893056	31.5875	0.27	1426	E	2611.9	4	
857700589	4525305	93	1965	176	Industrial	SEALY & SMITH FDN	-102.9119759	31.60322938	0.36	1887	NNW	2617.0	9	3
857643598	4525304	101	1939	110	Domestic	SWAN ADVENTURES LLC	-102.8956133	31.60193038	0.37	1976	NNE	2625.7	18	3
857620021	4525319	104	1928	200	Unused	MISSOURI PACIFIC RR	-102.89375	31.59521715	0.39	2040	NE	2620.8	13	
857706943	4525318	104	1937	222	Unused	MISSOURI PACIFIC RR	-102.89375	31.59521715	0.39	2040	NE	2620.8	13	
857706256	4525301	106	1962	134	Industrial		-102.8944016	31.59912542	0.40	2134	NE	2624.7	17	3
857655175	4525619	128	1973	170	Stock	WARD COUNTY	-102.894358	31.5603853	0.49	2596	SSE	2606.1	-2	3
857706945	4525326	150		130	Industrial	BAKER JESS E & NIKKI C	-102.8851545	31.58524197	0.62	3290	E	2614.7	7	
857743604	4525325	150	1955	126	Industrial	BAKER JESS E & NIKKI C	-102.8851545	31.58524197	0.62	3290	E	2614.7	7	
857648176	4525606	171	1959	171	Unused	WARD COUNTY	-102.8924065	31.55697555	0.75	3978	SSE	2608.9	1	
857670328	4525501	189	1964	200	Irrigation	HOGG MARITAL TRUST	-102.9229133	31.56945785	0.82	4342	SW	2596.6	-11	
857675151	4525502	189	1964	210	Irrigation	HOGG MARITAL TRUST	-102.9229133	31.56945785	0.82	4342	SW	2596.6	-11	
857709992	4525503	189		168	Irrigation	HOGG MARITAL TRUST	-102.9229133	31.56945785	0.82	4342	SW	2596.6	-11	
857634781	4525504	192	1967	212	Irrigation	MONAHANS ESTATES	-102.918493	31.56265667	0.83	4385	SSW	2604.7	-3	
896028720	308562	19	2012-12-03		Irrigation	MATTA ADAN &	-102.9119506	31.60824726	0.05	258	NNW	2624.2	16	3
896223260	283150	23	2012-03-23		Domestic		-102.8977767	31.56931647	0.06	323	SSE	2602.8	-5	3
896052832	387324	25	2015-02-03		Irrigation	LUJAN MARTHA F & JOE	-102.9033388	31.60982278	0.07	387	N	2630.9	23	3
924021631	662540	26	2024-03-07		Domestic	HEDGES RONNIE &	-102.9038451	31.61140734	0.08	413	N	2633.7	26	3
895941447	230191	31	2010-09-10		Rig Supply	VEE BAR LTD	-102.9097375	31.60649082	0.10	513	N	2617.6	10	3
895972371	207825	32	2004-12-30		Industrial	WHITE BUFFALO	-102.8962639	31.56629073	0.11	557	SSE	2603.9	-4	3
895974104	546990	56	2020-06-16		Domestic	OCHOA MARTIN ETUX	-102.907556	31.563583	0.20	1040	S	2596.6	-11	3
922136661	654639	72	2023-10-19		Domestic	GALLEGOS JOSE	-102.9156077	31.57521149	0.26	1390	SW	2600.6	-7	3
896100705	283448	73	2011-04-06		Domestic	SANCHEZ JUAN &	-102.8947307	31.57080435	0.26	1392	SE	2604.1	-4	3
896158737	283149	73	2012-03-28		Domestic	SANCHEZ JUAN &	-102.8947307	31.57080435	0.26	1392	SE	2604.1	-4	3
896241077	283148	73	2012-03-28		Domestic	SANCHEZ JUAN &	-102.8947307	31.57080435	0.26	1392	SE	2604.1	-4	3
896152179	472872	77	2018-03-02		Irrigation	JIMENEZ ALEJANDRO L	-102.8944619	31.5902123	0.27	1444	ENE	2613.4	6	3
920184148	638042	79	2023-04-17		Irrigation	TOWN OF	-102.9195532	31.58290518	0.29	1521	WSW	2603.9	-4	3
896031061	343722	83	2013-08-22		Irrigation	CROZIER KENNETH H III	-102.8930909	31.56578225	0.29	1557	SSE	2602.3	-6	3
895943552	299890	90	2012-09-06		Domestic	FRAZER WALTER S	-102.893453	31.56378387	0.34	1783	SSE	2602.2	-6	3
896067958	168407	95	2009-01-16		Domestic	WELDY TRAVIS	-102.9214873	31.58926068	0.36	1910	WNW	2607.9	0	3
896093031	380915	97	2014-11-11		Irrigation	PRALLE JIM RAY	-102.9151376	31.57136466	0.37	1930	SSW	2599.2	-9	3
896172750	382640	98	2014-10-29		Irrigation	SISSEL LANA KAY ESTES	-102.9116814	31.56831997	0.37	1936	SSW	2600.9	-7	3
895938057	537549	111	2020-03-02		Domestic	DEFENDERCO LLC	-102.9201542	31.59184472	0.42	2193	WNW	2609.9	2	3
895979534	385640	115	2015-01-07		Domestic	MUNOZ HILDO &	-102.923011	31.58778143	0.42	2218	W	2607.1	-1	3
896080415	313270	115	2013-03-09		Domestic	MUNOZ HILDO &	-102.923011	31.58778143	0.42	2218	W	2607.1	-1	3
896171745	536239	123	2020-02-04		Domestic	CHEVRON USA INC	-102.89	31.567194	0.47	2476	SE	2603.7	-4	3
896168441	103880	125	2006-12-21		Domestic	WESTERN DISPOSAL	-102.9208302	31.5926535	0.48	2555	WNW	2610.2	2	3
896171724	573874	126	2021-05-10		Domestic	BOYSAW CARL J	-102.9162295	31.56975442	0.49	2582	SSW	2596.6	-11	3
896009749	475998	129	2018-04-05		Domestic	CERECERES RODRIGO JR	-102.9115048	31.5608797	0.49	2604	SSW	2596.5	-11	3
896222534	546992	129	2020-06-16		Domestic	CERECERES RODRIGO JR	-102.9115048	31.5608797	0.49	2604	SSW	2596.5	-11	3
896094434	382172	130	2014-11-13		Domestic	HIGHWATER HOLDING	-102.8895819	31.56620158	0.49	2613	SE	2603.9	-4	3

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896026520	499969	133	2018-11-19		Domestic	BURKE JUSTIN R	-102.8890925	31.5674585	0.52	2765	SE	2603.8	-4	
896128266	409571	134	2015-11-18		Domestic	BAUTISA JAIME	-102.924769	31.587958	0.52	2769	W	2606.6	-1	
895922416	477032	136	2018-04-05		Domestic	TAA PROPERTY	-102.8887036	31.56659833	0.54	2878	SE	2604.1	-4	
896121846	472453	137	2018-03-09		Irrigation	CHAVEZ SERGIO &	-102.925197	31.587497	0.55	2887	W	2606.2	-2	
896028573	505334	139	2019-02-25		Domestic	HAMPEL LEASING INC	-102.9133352	31.56207022	0.55	2910	SSW	2598.9	-9	
896065823	470156	147	2018-01-24		Domestic	CHACON GREGORIO	-102.8877957	31.56578132	0.60	3182	SE	2604.5	-3	
896130432	475994	151	2018-04-04		Domestic	LOPEZ FERNANDO	-102.8874765	31.56520412	0.63	3312	SE	2604.8	-3	
896172041	385090	153	2015-01-07		Domestic	STEVE KENT TRUCKING	-102.9266358	31.58784833	0.63	3343	W	2606.1	-2	
896085241	546987	156	2020-06-15		Domestic	SWARB JOSHUA L &	-102.8869229	31.57404718	0.65	3436	ESE	2608.1	0	
896169144	546989	156	2020-06-15		Domestic	SWARB JOSHUA L &	-102.8869229	31.57404718	0.65	3436	ESE	2608.1	0	
896048381	546020	160	2018-06-30		Rig Supply	CUTBIRTH HENRY	-102.9252786	31.59294331	0.69	3620	WNW	2609.4	1	
896119404	517369	161	2019-07-15		Domestic	ESCARCEGA JOSE	-102.8862296	31.56566357	0.70	3672	SE	2604.2	-4	
922145365	648219	166	2019-10-12		Irrigation	MENDOZA ROCIO	-102.8858093	31.56838517	0.72	3820	SE	2606.4	-2	
895957316	327441	167	2013-07-25		Irrigation	ELAM LUCAS C	-102.918133	31.56660121	0.73	3837	SSW	2597.0	-11	
895971731	284391	167	2012-04-18		Domestic	ELAM LUCAS C	-102.918133	31.56660121	0.73	3837	SSW	2597.0	-11	
895985504	276605	167	2011-12-16		Domestic	ELAM LUCAS C	-102.918133	31.56660121	0.73	3837	SSW	2597.0	-11	
896027099	327377	167	2013-07-24		Irrigation	ELAM LUCAS C	-102.918133	31.56660121	0.73	3837	SSW	2597.0	-11	
896131578	327696	167	2013-07-26		Irrigation	ELAM LUCAS C	-102.918133	31.56660121	0.73	3837	SSW	2597.0	-11	
896218422	384478	168	2014-12-05		Irrigation	REDMON BILLY RAY	-102.8853216	31.57425513	0.73	3849	ESE	2606.6	-1	
896194001	396826	170	2015-06-01		Domestic	ASBURY CANDY	-102.8863812	31.56224892	0.75	3967	SE	2605.8	-2	
895934695	523498	172	2019-09-30		Irrigation	FUENTES RAQUEL	-102.885225	31.565622	0.75	3984	SE	2603.8	-4	
920180502	642365	177	2023-06-22		Domestic	RUBIO HUMBERTO &	-102.8848214	31.56758168	0.78	4095	SE	2605.7	-2	
895963186	28571	181	2003-08-04		Domestic	SEALY & SMITH FDN	-102.9181684	31.6233853	0.80	4210	NNW	2641.1	33	
896199540	500978	182	2018-11-19		Domestic	WARD COUNTY 4-H	-102.8884568	31.55857797	0.80	4211	SSE	2607.0	-1	
895953778	421583	184	2016-04-20		Domestic	HALL CHRIS & JORDAN	-102.9263479	31.57671133	0.80	4217	WSW	2599.7	-8	
896182950	382180	185	2014-11-10		Domestic	ENDACI LLC	-102.8862038	31.56104481	0.80	4218	SE	2608.0	0	
896108554	453000	190	2017-06-07		Domestic	COUCH RANDY W &	-102.8840435	31.56540604	0.83	4359	SE	2603.4	-4	
896023310	359088	191	2014-02-28		Irrigation	TARGA DELAWARE LLC	-102.9251105	31.57274324	0.83	4375	SW	2599.7	-8	
896054718	457374	194	2017-06-21		Irrigation	RODRIGUEZ PETER &	-102.8817807	31.57923318	0.84	4446	ESE	2611.5	4	
896049463	377549	195	2014-09-09		Domestic	OSC ENERGY LLC	-102.885	31.561389	0.85	4490	SE	2610.1	2	
896234787	377477	195	2014-09-25		Domestic	OSC ENERGY LLC	-102.885	31.561389	0.85	4490	SE	2610.1	2	
896134870	298186	196	2012-09-10		Irrigation	LEWIS JIMMY DAREN	-102.9301226	31.5840914	0.86	4541	W	2605.6	-2	
896216568	290054	196	2012-06-18		Rig Supply	LEWIS JIMMY DAREN	-102.9301226	31.5840914	0.86	4541	W	2605.6	-2	
896241208	298298	196	2012-09-10		Irrigation	LEWIS JIMMY DAREN	-102.9301226	31.5840914	0.86	4541	W	2605.6	-2	
896153536	489167	197	2018-08-31		Domestic	BALDERRAMA MARCUS	-102.883381	31.56563001	0.86	4555	SE	2603.5	-4	
896063701	446516	198	2017-04-03		Domestic	TBTD PROPERTIES LLC	-102.885806	31.559778	0.87	4568	SE	2610.3	2	
896019579	446518	199	2017-04-04		Domestic	STEEPLE O	-102.884028	31.56275	0.87	4580	SE	2605.1	-3	
896196960	268500	200	2011-08-16		Domestic	MITCHELL WILLIAM &	-102.9274065	31.57624406	0.87	4582	WSW	2599.4	-9	
895895881	504384	202	2019-02-08		Irrigation	TARANGO KEVIN &	-102.8829519	31.56831297	0.89	4699	SE	2605.5	-2	
896171972	485191	205	2018-07-02		Irrigation	JUAREZ KRISTOFFER R	-102.8827373	31.5658037	0.90	4750	SE	2603.9	-4	
896003978	455336	206	2017-07-11		Domestic	STEEPLE O	-102.883278	31.562944	0.91	4780	SE	2603.9	-4	

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896127382	462989	206	2017-10-11		Domestic	STEEPLE O	-102.883278	31.562944	0.91	4780	SE	2603.9	-4	
896151067	453008	206	2017-06-06		Domestic	STEEPLE O	-102.883278	31.562944	0.91	4780	SE	2603.9	-4	
896241660	503060	207	2019-02-11		Irrigation	CRATER MINERALS LLC	-102.8868207	31.55774454	0.91	4787	SE	2606.9	-1	
895927516	153597	208	2008-09-08		Irrigation	CHURCH OF JESUS CHRIST OF	-102.8807962	31.57879162	0.91	4788	ESE	2611.4	4	
895905440	403708	210	2015-07-13		Domestic	JIMENEZ GUADALUPE B	-102.8823591	31.56702406	0.92	4853	SE	2605.5	-2	
896044122	403702	210	2015-07-10		Domestic	JIMENEZ GUADALUPE B	-102.8823591	31.56702406	0.92	4853	SE	2605.5	-2	
896171523	382183	211	2014-11-19		Domestic	LEAL BALDEMAR III &	-102.8895011	31.55555809	0.92	4871	SSE	2612.6	5	
895917982	284390	212	2012-04-19		Domestic	PRADON RENTALS LTD	-102.9264244	31.57173203	0.93	4914	SW	2598.1	-10	
896112762	448327	215	2017-04-27		Irrigation	ROBLEDO RONNIE O &	-102.8818915	31.56597742	0.95	5008	SE	2604.6	-3	
895956445	488926	217	2018-07-05		Rig Supply	SOUTHWEST SANDHILLS	-102.8867188	31.55644177	0.97	5148	SSE	2604.1	-4	
896050633	488925	217	2018-06-29		Rig Supply	SOUTHWEST SANDHILLS	-102.8867188	31.55644177	0.97	5148	SSE	2604.1	-4	
896089497	488924	217	2018-06-19		Rig Supply	SOUTHWEST SANDHILLS	-102.8867188	31.55644177	0.97	5148	SSE	2604.1	-4	
896094599	488923	217	2018-06-26		Rig Supply	SOUTHWEST SANDHILLS	-102.8867188	31.55644177	0.97	5148	SSE	2604.1	-4	
896161842	488883	217	2018-06-28		Rig Supply	SOUTHWEST SANDHILLS	-102.8867188	31.55644177	0.97	5148	SSE	2604.1	-4	
896226865	488895	217	2018-07-19		Rig Supply	SOUTHWEST SANDHILLS	-102.8867188	31.55644177	0.97	5148	SSE	2604.1	-4	
896012544	190501	218	2009-07-29		Domestic	MOORE STEPHEN CRAIG	-102.879143	31.58010894	0.98	5162	ESE	2614.5	7	
895889428	475996	220	2018-04-04		Domestic	GOODSON MATTHEW &	-102.882222	31.561389	1.00	5281	SE	2600.7	-7	
889952747	45-25-6B	9	04/22/1985	122	IRRIGATION	CITY OF MONAHANS	-102.9039968	31.56688578	0.00	0	S	2614.2	6	5
889993210	45-25-3D	10	03/21/1980	180	DOMESTIC	CUTBIRTH HENRY &	-102.9053578	31.60676567	0.00	0	N	2625.9	18	6
889957406	45-25-3	15	12/04/1995	222	DOMESTIC	CITY OF MONAHANS	-102.9102771	31.61130153	0.00	0	N	2614.8	7	6
889959475	45-25-3	17	11/23/1988	180	DOMESTIC	MEREDITH JAMES L &	-102.9027159	31.60554837	0.02	97	N	2625.7	18	6
924616823	45-25-6K	18	02/25/1982	163	DOMESTIC	MARQUEZ OFRAEL	-102.9049692	31.58883849	0.02	110	NNE	2610.1	2	6
924616820	45-25-3	19	06/14/1999	260	DOMESTIC	MATTA ADAN &	-102.9119506	31.60824726	0.05	258	NNW	2624.2	16	3
890016317	45-25-3M	21	12/07/1981	180	DOMESTIC	ONCOR ELECTRIC	-102.9024131	31.60643239	0.05	285	N	2626.8	19	3
889994257	45-25-6CC	22	09/01/1982	190	DOMESTIC	MONAHANS HOUSING	-102.8965384	31.57777984	0.05	289	SE	2606.1	-2	3
890007753	45-25-6G	23	07/25/1979	180	DOMESTIC		-102.8977767	31.56931647	0.06	323	SSE	2602.8	-5	3
890015769	45-25-2H	26	10/30/1980	185	DOMESTIC	HEDGES RONNIE &	-102.9038451	31.61140734	0.08	413	N	2633.7	26	3
889999820	45-25-3N	27	09/07/1984	170	DOMESTIC	SANCHEZ DOMINIC RAY	-102.9003616	31.60071458	0.08	438	NNE	2622.6	15	3
889957429	45-25-5C	28	OT REPORTE	100	DOMESTIC	PTCAA TEXAS LP	-102.9173185	31.58761203	0.09	480	W	2610.0	2	3
890002230	45-25-3K	29	11/30/1981	180	DOMESTIC	GROSSE DAVID	-102.9011582	31.60457073	0.09	484	NNE	2625.1	17	3
924616764	45-25-6	30	10/27/1985	161	DOMESTIC	VENEGAS HECTOR &	-102.8971043	31.58857019	0.10	505	ENE	2610.3	2	3
889978716	45-25-5F	33	07/13/1972	170	DOMESTIC	ORNELAS EUSEBIO	-102.9149295	31.57914008	0.11	559	SW	2603.3	-5	3
890012580	45-25-6	34	10/03/1990	250	DOMESTIC	CABALLERO JOSE &	-102.9146068	31.57825209	0.11	561	SW	2603.5	-4	3
890015997	45-25-2H	36	06/23/1981	201	OILFIELD	DLUGOSCH PETE &	-102.913151	31.607644	0.12	624	NNW	2621.9	14	3
890007791	45-25-6	41	11/06/1987	185	DOMESTIC	ARROYO GONZALO &	-102.9023299	31.56325203	0.15	803	S	2596.8	-11	3
890017212	45-25-2	43	11/16/1987	210	DOMESTIC	NAVARETTE YOLANDA	-102.9154106	31.57789878	0.16	838	SW	2602.2	-6	3
890004581	45-25-3B	47	08/13/1972	151	INDUSTRIAL	ABH BAXTER LP	-102.9035156	31.59552522	0.16	852	NNE	2615.9	8	3
890005968	45-25-3B	47	08/16/1974	160	INDUSTRIAL	ABH BAXTER LP	-102.9035156	31.59552522	0.16	852	NNE	2615.9	8	3
889967006	45-25-3	49	11/31/1987	251	PUBLIC SUPPLY	IMMANUEL BAPTIST	-102.9184885	31.58593106	0.17	874	W	2606.0	-2	4
890013285	45-25-5D	49	07/22/1971	172	DOMESTIC	IMMANUEL BAPTIST	-102.9184885	31.58593106	0.17	874	W	2606.0	-2	3

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890012202	45-25-6HH	51	03/09/1980	178	DOMESTIC	MARQUEZ OFRAEL JR	-102.9082876	31.56697029	0.18	938	S	2603.9	-4	3
889990386	45-25-6W	52	11/16/1974	225	DOMESTIC	HEMOND GEORGE	-102.8956922	31.58800065	0.18	952	ENE	2610.6	3	3
889972197	45-25-5B	53	05/04/1981	190	DOMESTIC	FABIAN JAMEE	-102.9149874	31.5765773	0.18	960	SW	2601.1	-7	3
889956655	45-25-3K	54	12/05/1981	180	DOMESTIC	MONAHANS	-102.89966	31.60505	0.18	976	NNE	2626.4	19	3
889990633	45-25-3L	54	11/26/1981	180	DOMESTIC	MONAHANS	-102.89966	31.60505	0.18	976	NNE	2626.4	19	3
890017447	45-25-3L	54	12/23/1981	180	DOMESTIC	MONAHANS	-102.89966	31.60505	0.18	976	NNE	2626.4	19	3
889957428	45-25-6	55	04/23/1988	165	DOMESTIC	ALARCON JESUS &	-102.9084237	31.56750816	0.19	1003	S	2605.0	-3	3
889963783	45-25-5C	57	02/17/1980	180	DOMESTIC	ROARK DOUGLAS	-102.9182122	31.58329658	0.20	1080	WSW	2604.2	-4	3
889957755	45-25-5C	58	06/15/1971	200	DOMESTIC	FLORES GLORIA &	-102.9186764	31.58454491	0.20	1081	W	2605.0	-3	3
889965446	45-25-5E	60	02/10/1975	170	DOMESTIC	ARROYO SENORINA	-102.9175245	31.58123422	0.21	1101	WSW	2603.7	-4	3
889973219	45-25-3J	60	12/03/1981	180	DOMESTIC	ARROYO SENORINA	-102.9175245	31.58123422	0.21	1101	WSW	2603.7	-4	3
889985929	45-25-2G	60	02/22/1978	180	DOMESTIC	ARROYO SENORINA	-102.9175245	31.58123422	0.21	1101	WSW	2603.7	-4	3
890016121	45-25-5C	61	02/17/1975	165	DOMESTIC	CAMACHE IGNACIO	-102.9178552	31.58212399	0.21	1102	WSW	2603.9	-4	3
889999822	45-25-5J	62	07/29/1977	175	DOMESTIC	ARROYO CRUZ &	-102.9176422	31.58151137	0.21	1106	WSW	2603.8	-4	3
889957407	45-25-5E	65	12/06/1974	140	DOMESTIC	HARRIS JULIE	-102.9176226	31.58073985	0.22	1184	WSW	2603.3	-5	3
889957699	45-25-5	66	11/22/1987	197	DOMESTIC	ANAYA RAMON &	-102.91976	31.58627083	0.23	1218	W	2606.4	-1	3
889987040	45-25-2C	67	06/01/1973	170	INDUSTRIAL	ISKANDIA ENERGY	-102.9189472	31.58946109	0.24	1291	WNW	2609.2	1	3
889957731	45-25-5	70	07/05/1988	140	DOMESTIC	URITA RODRIGO	-102.9197748	31.58480549	0.26	1379	W	2605.2	-3	3
889983903	45-25-5C	76	01/27/1975	162	DOMESTIC	BEAN LINDA L	-102.9189107	31.58189308	0.27	1441	WSW	2603.4	-4	3
889957754	45-25-5M	78	07/30/1979	185	DOMESTIC	SLADE RONALD &	-102.9188593	31.58161773	0.28	1456	WSW	2603.3	-5	3
889957753	45-25-3K	80	12/02/1981	180	DOMESTIC	WEST TEXAS CENTERS	-102.8973985	31.60320302	0.29	1527	NNE	2626.1	18	3
889964437	45-25-3K	80	12/18/1981	182	DOMESTIC	WEST TEXAS CENTERS	-102.8973985	31.60320302	0.29	1527	NNE	2626.1	18	3
889997505	45-25-6BB	81	09/21/1977	178	DOMESTIC	CROZIER KENNETH H III	-102.8933568	31.56523574	0.29	1540	SSE	2602.1	-6	3
889985518	45-25-6T	82	09/26/1973	206	DOMESTIC	COLWELL LEVI	-102.9088496	31.5626841	0.29	1552	S	2593.9	-14	3
890012204	45-25-5	84	04/29/1985	220	DOMESTIC	NELMS JOSEPH JR &	-102.9172706	31.57648201	0.30	1580	SW	2600.7	-7	3
890000706	45-25-5	85	03/28/1986	200	DOMESTIC	GIBSON BOBBY	-102.9158215	31.57433332	0.30	1595	SW	2600.8	-7	3
889952750	45-25-5L	86	07/04/1979	180	DOMESTIC	MARQUEZ REBECCA	-102.9205272	31.58471856	0.31	1612	W	2605.1	-3	3
889990632	45-25-6H	87	05/21/1984	235	DOMESTIC	HULK OILFIELD	-102.9035356	31.56056611	0.31	1622	S	2593.7	-14	3
890012203	45-25-6	88	07/09/1988	180	DOMESTIC	DUNN BILLY JOE	-102.8942533	31.5719241	0.31	1658	SE	2604.6	-3	3
889990631	45-25-6FF	89	05/24/1978	180	DOMESTIC	MONAHANS ISD M-W-P	-102.8921827	31.58807516	0.33	1757	E	2612.8	5	3
889993209	45-25-6	91	11/01/1997	270	DOMESTIC	RENTERIA OCTAVIO	-102.9103301	31.56375367	0.35	1830	SSW	2596.4	-12	3
889959117	45-25-6CC	92	10/05/1977	175	DOMESTIC	POGUE JAMES B JR	-102.8931536	31.57079064	0.35	1858	SE	2604.0	-4	3
924616815	45-25-2A	94	02/12/1971	112	DOMESTIC	ORTIZ SELENA MARIE	-102.9220159	31.58775001	0.36	1909	W	2607.2	-1	3
889953187	45-25-6C	96	08/14/1979	250	DOMESTIC	LIGHT KENNETH RAY	-102.891784	31.56740031	0.37	1928	SE	2603.4	-4	3
889982983	45-25-5	99	05/26/1989	250	DOMESTIC	GOLDIN MARY	-102.9169547	31.5741563	0.37	1943	SW	2601.0	-7	3
890017446	45-25-6G	100	01/29/1971	120	DOMESTIC	MARQUEZ MARCELINO	-102.8951622	31.56198228	0.37	1964	SSE	2601.5	-6	3
889960030	45-25-3A	102	11/11/1971	150	DOMESTIC	BRIGGS NEWS ALLIANCE	-102.8934517	31.59353977	0.38	2005	ENE	2619.3	11	3
889971962	45-25-5	103	09/24/1990	250	DOMESTIC	SANDERS E L	-102.9202522	31.5801948	0.38	2025	WSW	2602.4	-5	3
890016644	45-25-6C	105	12/18/1968	147	DOMESTIC	ANTHONY CARY M &	-102.8916177	31.56885833	0.40	2100	SE	2604.1	-4	3
889982760	45-25-2C	107	09/07/1981	80	IRRIGATION	GARAY KENNETH	-102.9216679	31.58298132	0.41	2141	W	2604.0	-4	3
889978712	45-25-2C	108	10/24/1980	275	DOMESTIC	GREENWOOD DANNY	-102.9221325	31.58421598	0.41	2144	W	2604.8	-3	3

Attachment DTR Wksht 3.0-6
Table 3.0(3)
Water Well Table

ID	WELL_NO	MAP KEY LOC	DATE DRILL	DEPTH DRILL	WATER USAGE	CURRENT PARCEL OWNER	X	Y	DISTANCE (MILES)	DISTANCE (FEET)	DIRECTION	ELEV (FEET	ELEV FEET DIFF	Proposed BMP
889997452	45-25-6A	109	05/12/1967	115	INDUSTRIAL	NNN REIT LP	-102.8927662	31.57266829	0.41	2182	SE	2604.9	-3	3
890015762	45-25-6W	110	09/26/1974	116	DOMESTIC	HICKS HENRY N	-102.8883754	31.58244398	0.41	2191	ESE	2611.4	4	3
889981008	45-25-5C	112	06/29/1979	180	DOMESTIC	WILLIAMS WENDY	-102.9220923	31.58353965	0.42	2206	W	2604.4	-3	3
924599151	45-25-3	113	08/04/2003	95	DOMESTIC	SEALY & SMITH FDN	-102.8989588	31.61450959	0.42	2207	NNE	2644.8	37	3
890016895	45-25-6V	114	04/21/1980	196	DOMESTIC	MONAHANS	-102.9110651	31.56238471	0.42	2213	SSW	2596.5	-11	3
889987999	45-25-6P	116	01/20/1978	200	DOMESTIC	WHITE THOMAS EARL	-102.8988267	31.56003395	0.43	2259	SSE	2601.4	-6	3
889962831	45-25-3	117	05/30/1997	210	DOMESTIC	SWARB STEVE &	-102.8916998	31.57093689	0.44	2306	SE	2604.3	-4	3
889992217	45-25-6	118	04/01/1988	200	DOMESTIC	MONAHANS ESTATES	-102.9122613	31.56459241	0.44	2325	SSW	2601.3	-7	3
924599152	45-25-5K	119	10/25/1977	180	DOMESTIC	HUFFTY STANLEY L	-102.8910571	31.56951641	0.44	2339	SE	2604.5	-3	3
889997508	45-25-5E	120	02/17/1979	190	DOMESTIC	MEZA DANIEL	-102.9210756	31.57955728	0.44	2339	WSW	2602.0	-6	3
889960028	45-25-6E	121	07/26/1971	162	DOMESTIC	KING SUSAN ALICE	-102.8918228	31.56294673	0.45	2372	SSE	2603.7	-4	3
889958999	45-25-6EE	122	01/25/1978	215	DOMESTIC	COX LONNY & TIFFANY	-102.9030605	31.55849313	0.45	2391	S	2595.3	-13	3
890012581	45-25-3	122	06/??/1987	220	DOMESTIC	COX LONNY & TIFFANY	-102.9030605	31.55849313	0.45	2391	S	2595.3	-13	3
889984980	45-25-3F	124	03/12/1979	136	DOMESTIC	HEFLIN MARVIN BRETT	-102.891628	31.592792	0.47	2505	ENE	2618.5	11	3
889976353	45-25-6C	127	07/19/1979	158	DOMESTIC	HUFFTY STAN & AMY	-102.890347	31.5699152	0.49	2594	SE	2604.8	-3	3
889976746	45-25-3H	131	08/21/1981	185	DOMESTIC	MARTINEZ HECTOR LEE	-102.9202599	31.57464265	0.52	2723	SW	2601.0	-7	
889993208	45-25-6X	132	07/29/1975	175	DOMESTIC	FUENTES MICHAEL A &	-102.8868292	31.58102493	0.52	2754	ESE	2611.4	3	
890000922	45-25-6	135	09/19/1984	208	DOMESTIC	REDMON BILLY R &	-102.8902067	31.57147872	0.53	2809	SE	2605.3	-3	
890000703	45-25-6G	138	08/20/1982	180	DOMESTIC	ONTIVEROZ NORA	-102.9003347	31.55776133	0.55	2895	S	2598.3	-10	
889988000	45-25-6J	140	10/09/1973	150	DOMESTIC	HINOJOS RAUL M	-102.9033603	31.55685625	0.56	2963	S	2599.5	-8	
889968906	45-25-6GG	141	09/02/1978	180	DOMESTIC	BATES JENNIFER JONES	-102.9244173	31.58292199	0.56	2964	W	2604.0	-4	
890007793	45-25-3H	141	06/29/1981	209	DOMESTIC	BATES JENNIFER JONES	-102.9244173	31.58292199	0.56	2964	W	2604.0	-4	
890017373	45-25-5	142	05/15/1986	142	DOMESTIC	NICHOLS MICHAEL S	-102.9246642	31.58358261	0.56	2965	W	2604.4	-3	
890012426	45-25-6E	143	07/22/1970	135	INDUSTRIAL	WIRELINE SERVICE CO	-102.8913337	31.56095907	0.56	2965	SSE	2601.5	-6	
889997451	45-25-6V	144	10/30/1976	195	IRRIGATION	MOORE TIMOTHY DALE	-102.9165479	31.56852382	0.56	2983	SSW	2596.4	-12	
890017371	45-25-6	145	06/02/1986	182	DOMESTIC	HARDY W C	-102.8891284	31.57029497	0.57	2998	SE	2604.6	-3	
889981236	45-25-6	146	07/01/1988	230	DOMESTIC	GANN ROSS	-102.8891311	31.5710948	0.58	3085	SE	2605.9	-2	
890016896	45-25-5F	148	05/23/1983	420	DOMESTIC	TAMPLIN GORDON	-102.9239669	31.57950167	0.61	3204	WSW	2601.6	-6	
890015999	45-25-5L	149	02/18/1978	185	DOMESTIC	DEAN WILLIAM M &	-102.9236655	31.57812122	0.62	3266	WSW	2600.7	-7	
890001467	45-25-6F	152	05/12/1984	180	DOMESTIC	ESPARZA APOLONIO &	-102.8972853	31.5573835	0.63	3325	SSE	2600.0	-8	
889952568	45-25-6AA	154	04/22/1976	170	DOMESTIC	TEXAS HWY DEPT	-102.89397	31.55813134	0.64	3397	SSE	2607.3	-1	
889963781	45-25-6	154	06/09/1986	133	DOMESTIC	TEXAS HWY DEPT	-102.89397	31.55813134	0.64	3397	SSE	2607.3	-1	
890015998	45-25-6L	155	06/06/1972	126	DOMESTIC	WATSON PACKER LLC	-102.9040357	31.55556989	0.65	3410	S	2600.2	-8	
890016315	45-25-2C	157	08/??/1978	200	DOMESTIC	MARQUEZ ROBERTO &	-102.9267676	31.58898314	0.65	3446	W	2606.8	-1	
924616816	45-25-2A	157	08/20/1983	160	DOMESTIC	MARQUEZ ROBERTO &	-102.9267676	31.58898314	0.65	3446	W	2606.8	-1	
924616814	45-25-2B	158	06/01/1972	124	NOT REPORTED	PERFORMANCE	-102.9231998	31.59427539	0.66	3477	WNW	2610.6	3	
889957000	45-25-5	159	11/24/1987	182	PUBLIC SUPPLY	ENGLISH CONGREGATION OF	-102.9234012	31.57499897	0.67	3539	WSW	2600.9	-7	
889981537	45-25-6E	162	05/05/1969	150	DOMESTIC	TEXAS DEPARTMENT OF	-102.8938628	31.55727198	0.70	3702	SSE	2607.2	-1	
889990853	45-25-5L	163	06/07/1978	185	DOMESTIC	GARDEA TRINIDAD	-102.926757	31.58243447	0.70	3712	W	2603.7	-4	
924616813	45-25-2B	164	08/31/1981	110	DOMESTIC	BAROID DRLG FLUIDS	-102.9223241	31.59578581	0.71	3760	WNW	2611.9	4	

Attachment DTR Wksht 3.0-6
Table 3.0(3)
Water Well Table

ID	WELL_NO	MAP KEY LOC	DATE DRILL	DEPTH DRILL	WATER USAGE	CURRENT PARCEL OWNER	X	Y	DISTANCE (MILES)	DISTANCE (FEET)	DIRECTION	ELEV (FEET	ELEV FEET DIFF	Proposed BMP
889969933	45-25-2E	165	06/22/1976	170	DOMESTIC	CUTBIRTH HENRY	-102.9268534	31.59147809	0.71	3766	WNW	2608.3	0	
889981786	45-25-6DD	169	10/19/1977	105	DOMESTIC	LEYVA LUIS ETUX	-102.9054251	31.55409795	0.75	3949	S	2595.7	-12	
890001466	45-25-6P	173	11/06/1973	150	DOMESTIC	CUTBIRTH HENRY	-102.9138388	31.55711922	0.77	4042	SSW	2590.0	-18	
889959446	45-25-6Z	174	12/31/1975	175	DOMESTIC	NOELKE JAMES E	-102.8939057	31.55625719	0.77	4046	SSE	2606.2	-2	
889985930	45-25-6M	175	12/28/1975	150	DOMESTIC		-102.9155179	31.55873281	0.77	4077	SSW	2595.2	-13	
889957728	45-25-6U	176	05/11/1975	110	DOMESTIC	ROBINSON	-102.9128518	31.55620271	0.77	4083	SSW	2589.0	-19	
924616825	45-28-6BB	178	08/10/1983	304	DOMESTIC	ANDINO WILLIAM	-102.8830999	31.58759684	0.78	4105	E	2617.5	10	
889997509	45-25-5	179	04/14/1988	251	DOMESTIC	RASBAND KYLE & KISHA	-102.9053446	31.55351283	0.79	4160	S	2596.6	-11	
889959170	45-25-6B	180	08/29/1968	279	IRRIGATION	HAWTHORNE JEARLE P	-102.9236396	31.57174601	0.79	4177	SW	2598.8	-9	
889982759	45-25-2D	183	09/11/1973	110	DOMESTIC	HELMERS STANLEY	-102.9277487	31.5926806	0.80	4215	WNW	2609.2	1	
889960031	45-25-3E	186	11/27/1980	129	IRRIGATION	DIXON ROBERT M &	-102.8819345	31.58451096	0.80	4229	E	2616.3	8	
924616822	45-25-6P	187	07/12/1983	304	DOMESTIC	ROBINSON	-102.9130482	31.55575816	0.80	4247	SSW	2588.4	-19	
889976354	45-25-3	188	11/28/1988	215	DOMESTIC	NEACE MATTHEW	-102.8816314	31.58195642	0.81	4299	E	2614.8	7	
889957405	45-25-6	193	05/16/1986	202	DOMESTIC	RAMOS ROBERT &	-102.9165854	31.55847683	0.83	4407	SSW	2592.6	-15	
890002806	45-25-5	201	04/09/1988	190	DOMESTIC	SAUCEDO ROLAND	-102.929112	31.5803163	0.88	4643	WSW	2601.9	-6	
889957692	45-25-6N	203	10/03/1972	210	DOMESTIC	MONTOYA GLORIA	-102.9164969	31.55685181	0.90	4727	SSW	2588.1	-20	
889978715	45-25-5	204	03/09/1990	250	DOMESTIC	MITCHELL DEBRA KEELE	-102.9287144	31.57843228	0.90	4731	WSW	2600.5	-7	
889971960	45-25-6	208	06/28/1988	190	LAWN	CHURCH OF JESUS	-102.8807962	31.57879162	0.91	4788	ESE	2611.4	4	
889953188	45-25-6C	209	11/19/1980	85	DOMESTIC	LEAL BALDEMAR III &	-102.8878405	31.55678209	0.91	4822	SSE	2605.1	-3	
924616818	45-25-3D	213	05/31/1976	200	DOMESTIC	ODONNELL CHRIS &	-102.8834073	31.59284975	0.93	4934	ENE	2622.3	14	
889970928	45-25-5J	214	07/20/1977	180	DOMESTIC	REY EMA H	-102.929407	31.57825351	0.94	4957	WSW	2600.4	-8	
924616821	45-25-6S	216	04/24/1973	151	DOMESTIC	WARD COUNTY	-102.8832785	31.59388242	0.97	5131	ENE	2623.3	15	
889993211	45-25-5D	219	03/05/1979	90	DOMESTIC	STONE THE JOAN	-102.9307347	31.57955141	0.99	5209	WSW	2601.1	-7	
BMP														
1	No irrigation within 150 feet of the well. Confired by City (Operator) . Only used for irrigation at the Airport.													
2	N/A for Irrigation Well. Within 150 feet. Upgradient. Only used for irrigation at the Golf Course. Operated by Golf Course.													
3	> 150 feet from the sites. Private wells used for irrigation, domestic, stock, etc.													
4	> 500 feet from the sites. Used as Public Well.													
5	Land is owned by the City of Monahans. Well is not used; there is no electricity to the well currently. This well is south of the WWTP.													
6	Well is incorrectly plotted. It is not located within 150 feet of a site.													

TEXAS WATER WELL REPORT

The Attached Table 3.0(3) includes a complete summary of each well within 1-mile radius.
Excerpt of this Water Well Report Only contains:
1. Cover Page
2. Table of Contents
3. Executive Summary
4. Executive Summary - Site Report Summary
5. Topographic Water Well Location Map with Map IDs.

Full Report (760 pages) is available upon request.

Project Property:	*Monahans WWTP TLAP Renewal* *Monahans WWTP & Irrigation Areas* *Monahans TX*
Project No:	*9041*
Order No:	*25021000726*
Requested by:	*Enprotec / Hibbs & Todd, Inc.*
Date Completed:	*February 20, 2025*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property: *Monahans WWTP TLAP Renewal*
Monahans WWTP & Irrigation Areas Monahans TX

Project No: *9041*

Coordinates:

Latitude:	*31.58595889*
Longitude:	*-102.90577612*
UTM Northing:	*3,496,446.54*
UTM Easting:	*698,714.50*
UTM Zone:	*13R*
Target Property Geometry:	*POLYGON*

County/Parish Covered: *Ward (TX)*

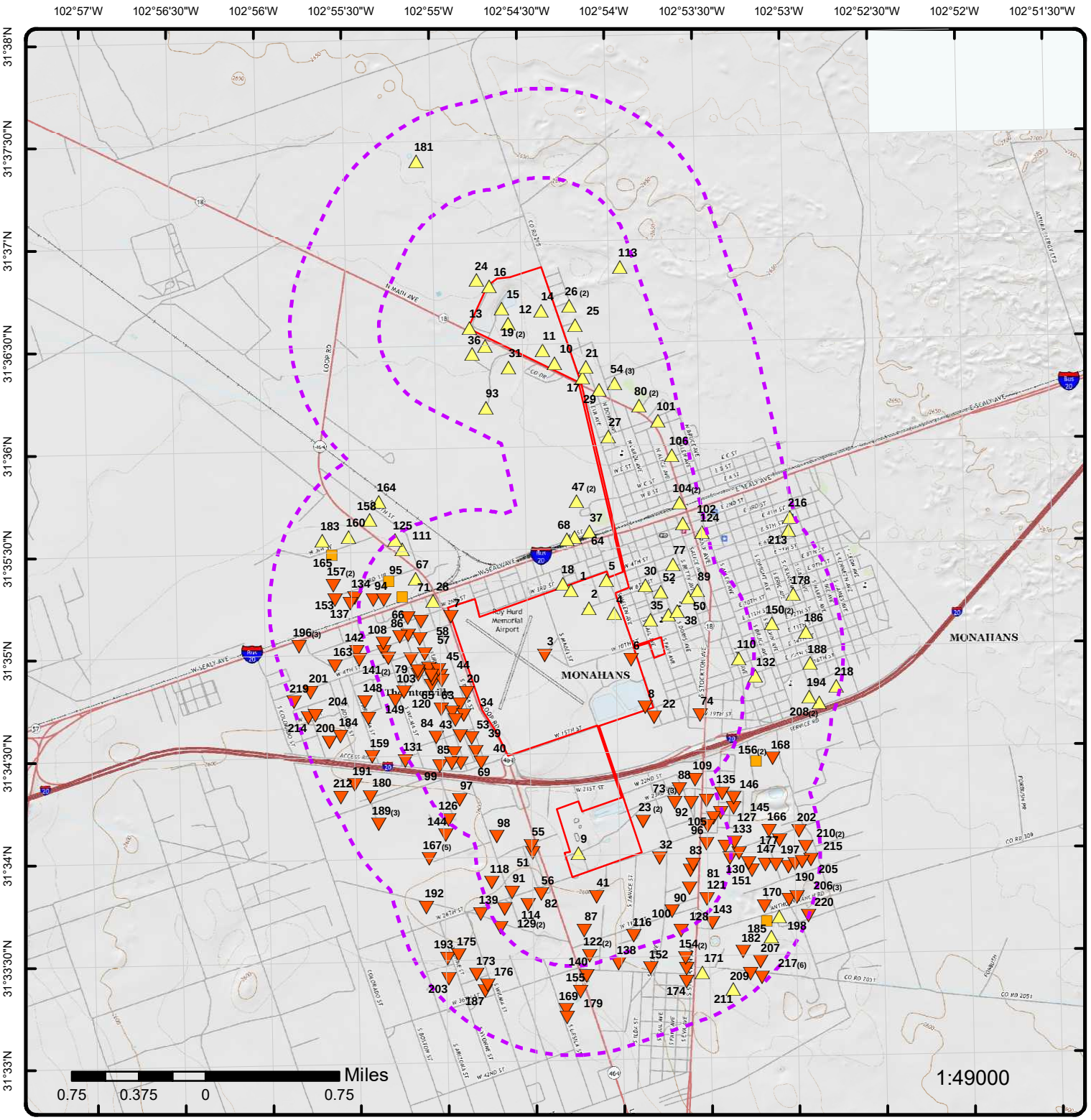
Zipcode(s) Covered: *Monahans TX: 79756*

State(s) Covered: *TX*

Executive Summary: Report Summary

Database	Searched	Project Property	Within 0.50mi	Total
Federal				
FED USGS	*Y*	*0*	-	*0*
State				
TCEQ WELL LOGS	*Y*	***3***	***76***	***127***
SDRW WELLS	*Y*	*0*	***27***	***85***
GWDB	*Y*	***13***	***28***	***48***
WW FORT BEND	*Y*	*0*	-	*0*
WW HIGH PLAINS	*Y*	*0*	-	*0*
WW HARRIS GAL	*Y*	*0*	-	*0*
WUD	*Y*	*0*	-	*0*
Total:		***16***	***131***	***260***

**** PO – Property Only***



Map: 1.0 Mile Radius | Zoom Level: 1
Order Number: 25021000726
Address: Monahans WWTP & Irrigation Areas, Monahans, TX

ERIS

Plotted Water Wells

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation

Attachment DTR Wksht 3.0-7

Groundwater Quality Technical Report

Groundwater Quality Technical Report
City of Monahans 1.10 MGD WWTP
Ward County, Texas
Attachment Worksheet 3.0-7

In accordance with 30 TAC 309.20(a)(4)(A and B), this report provides an assessment of the impact of the wastewater disposal operation on the uses of local groundwater resources.

The Bureau of Economic Geology's Geological Atlas of Texas indicates that the City of Monahans, including the wastewater treatment plant (WWTP) and the majority of the 470 acre of irrigation sites overlie the sand and silt group (Qs) (Period – Quaternary, Epoch – Holocene). A small portion of the eastern side of the Ward County Golf Course (irrigation site) overlies the sand sheets, dunes, and dune ridges group (Qsu) Period – Quaternary, Epoch – Holocene), and a very small portion of the irrigation area south of the WWTP overlies the playa deposits (Period – Quaternary, Epoch – Holocene). The Texas Water Development Board Interactive Water Data Viewer indicates that the WWTP and irrigation areas overlie the Pecos Valley Major Aquifer and the Dockum (subcrop) Minor Aquifer. See the attached map excerpts.

Per the table attached in the response to DTR Wksht 3.0-6, Table 3.0(3) – Water Well Data, there are 131 wells reported within a ½-mile radius of the irrigation site boundaries. There are only 2 wells located at the Golf Course (Wells #s 4525308 & 4525309) located within 150 feet of an effluent irrigation area (at the Golf Course). The wells are only used for irrigation during the summer.

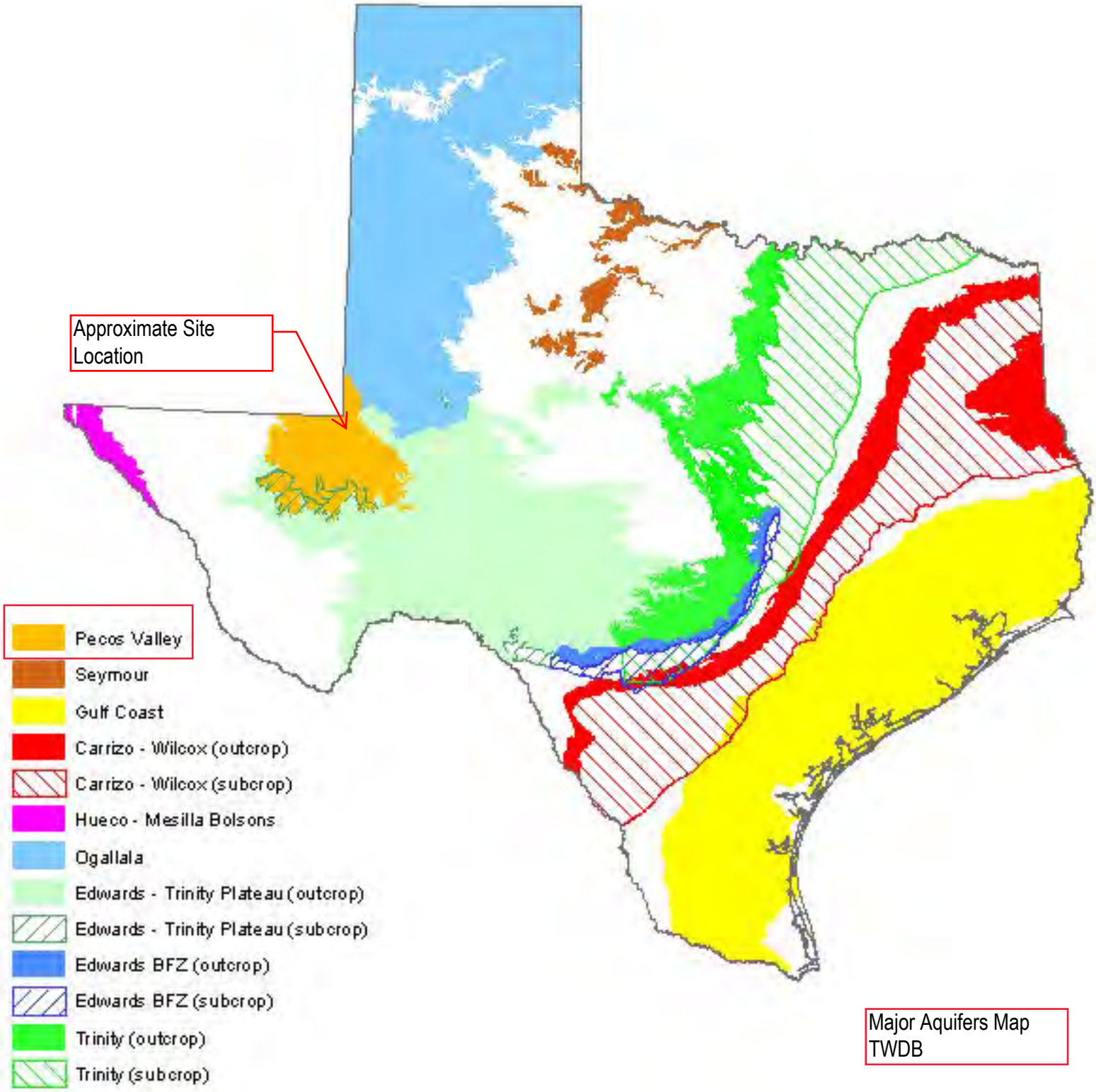
Best management practices for all private domestic and public water wells are meeting the buffer zone distances per 30 TAC §309.13. Applicable buffer zone distances will continue to be maintained.

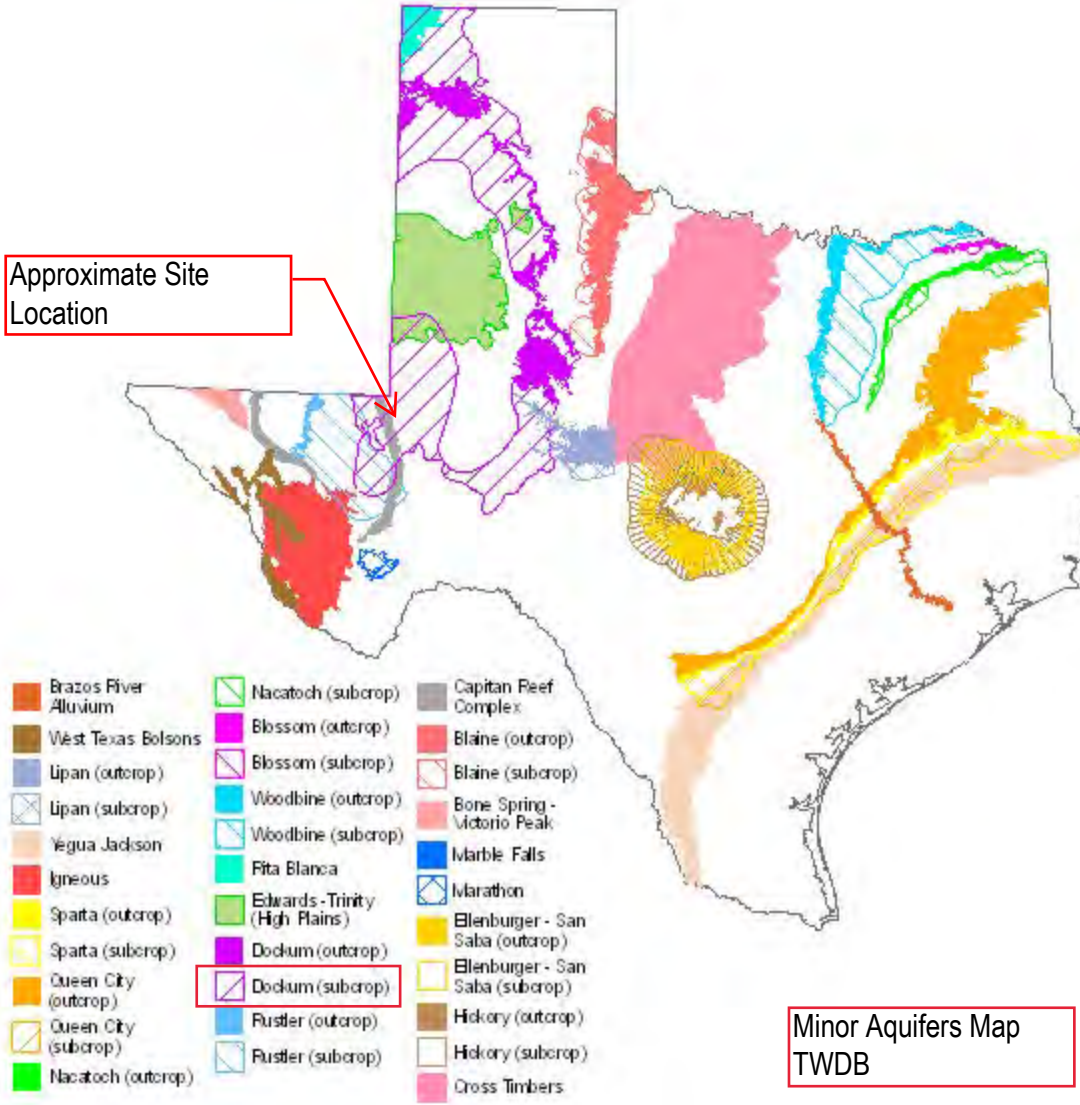
The general direction of groundwater flow is assumed to be south, southwest toward the Monument Draw.

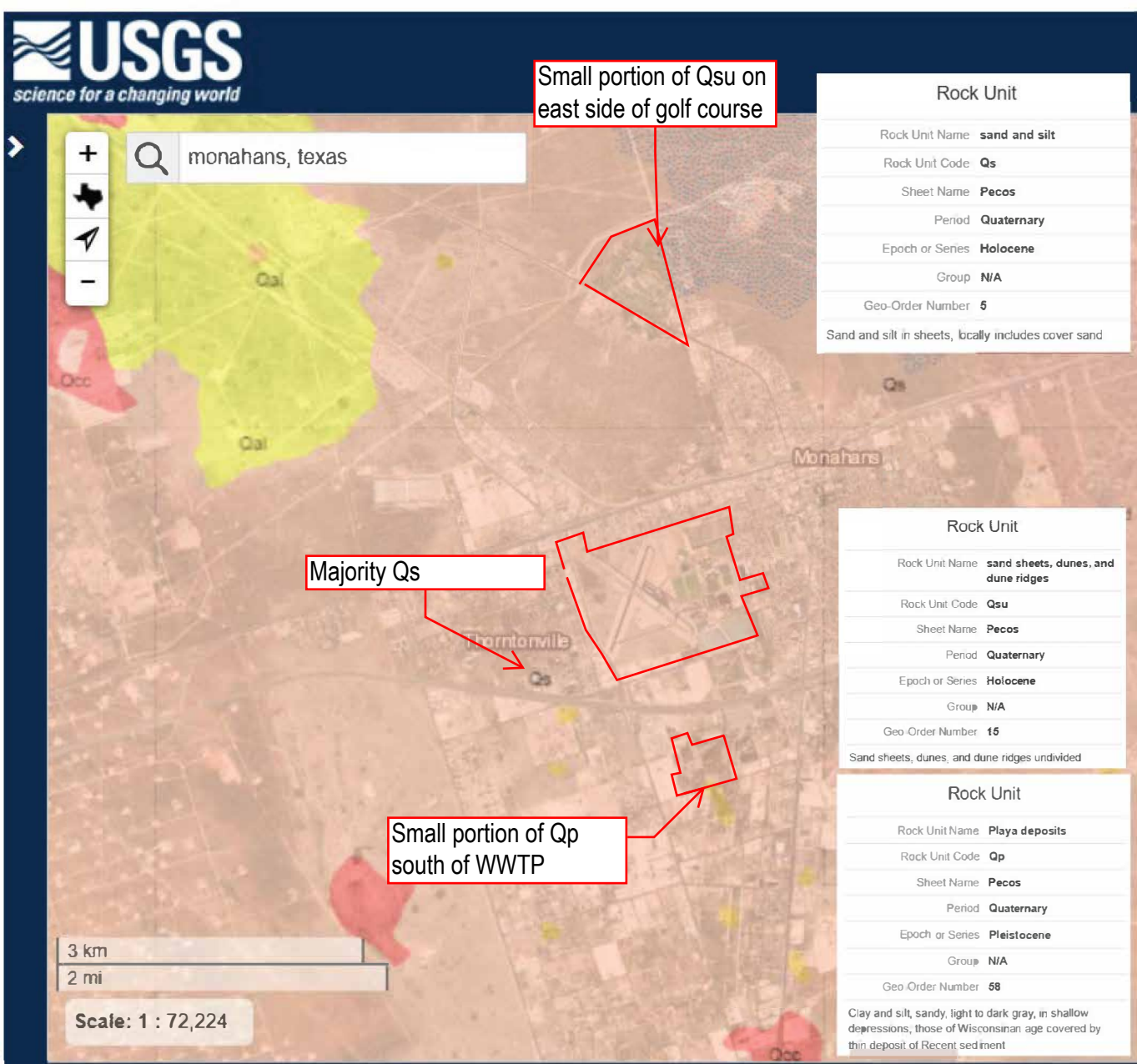
The wastewater effluent is used to irrigate a total of 470 acres of primarily public access lands (public parks, ball fields, cemetery, golf course and airport). A small portion (49 acres) is adjacent City-owned non-public access agricultural land. The effluent applied to the land has a maximum application rate as a permit limit to ensure that the effluent is taken up by the crop root systems. The agronomic application rate ensures that potential contaminants do not migrate below the rooting zone.

The soil USDA NRCS reports and maps (see Attachment DTR Worksheet 3.0-8.A) indicate that the topsoils at the irrigation areas are fine sandy loams, and sandy and gravely soils. Since the soils are permeable, the wastewater storage ponds are provided with a 2-foot freeboard and are lined with 30-mil plastic liner. The lined ponds adequately protect groundwater under and near the wastewater treatment facility.

In summary, the wastewater treatment plant and the effluent irrigation system are not anticipated to negatively impact the uses of local groundwater resources.


Approximate Site Location
Pecos Valley
Seymour
Gulf Coast
Carrizo - Wilcox (outcrop)
Carrizo - Wilcox (subcrop)
Hueco - Mesilla Bolsons
Ogallala
Edwards - Trinity Plateau (outcrop)
Edwards - Trinity Plateau (subcrop)
Edwards BFZ (outcrop)
Edwards BFZ (subcrop)
Trinity (outcrop)
Trinity (subcrop)
Major Aquifers Map
TWDB


Approximate Site Location
Brazos River Alluvium
West Texas Bolsons
Lipan (outcrop)
Lipan (subcrop)
Yegua Jackson
Igneous
Sparta (outcrop)
Sparta (subcrop)
Queen City (outcrop)
Queen City (subcrop)
Nacatoch (outcrop)
Nacatoch (subcrop)
Blossom (outcrop)
Blossom (subcrop)
Woodbine (outcrop)
Woodbine (subcrop)
Fita Blanca
Edwards-Trinity (High Plains)
Dockum (outcrop)
Dockum (subcrop)
Rustler (outcrop)
Rustler (subcrop)
Capitan Reef Complex
Blaine (outcrop)
Blaine (subcrop)
Bone Spring - Victorio Peak
Marble Falls
Marathon
Ellenburger - San Saba (outcrop)
Ellenburger - San Saba (subcrop)
Hickory (outcrop)
Hickory (subcrop)
Cross Timbers
Minor Aquifers Map
TWDB



Rock Unit

Rock Unit Name	sand and silt
Rock Unit Code	Qs
Sheet Name	Pecos
Period	Quaternary
Epoch or Series	Holocene
Group	N/A
Geo-Order Number	5

Sand and silt in sheets, locally includes cover sand

Rock Unit

Rock Unit Name	sand sheets, dunes, and dune ridges
Rock Unit Code	Qsu
Sheet Name	Pecos
Period	Quaternary
Epoch or Series	Holocene
Group	N/A
Geo-Order Number	15

Sand sheets, dunes, and dune ridges undivided

Rock Unit

Rock Unit Name	Playa deposits
Rock Unit Code	Qp
Sheet Name	Pecos
Period	Quaternary
Epoch or Series	Pleistocene
Group	N/A
Geo-Order Number	58

Clay and silt, sandy, light to dark gray, in shallow depressions, those of Wisconsinan age covered by thin deposit of Recent sediment

Attachment DTR Wksht 3.0-8.A

USDA Soil Maps

Soil Map—Ward County, Texas
(WWTP Irigation Area)

Map Scale: 1:4,960 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 200 400 800 1200

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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:
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: Ward County, Texas
Survey Area Data: Version 23, Aug 30, 2024

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

Date(s) aerial images were photographed: Feb 10, 2022—Feb 13, 2022

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

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
DE	Delnorte gravelly soils, undulating	8.3	16.5%
UP	Upton gravelly soils, gently undulating	42.2	83.5%
Totals for Area of Interest		**50.5**	**100.0%**

Soil Map—Ward County, Texas
(Airport, Parks, Cemetery)

Map Scale: 1:12,600 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 150 300 600 900

Feet
0 500 1000 2000 3000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

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.

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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: Ward County, Texas
Survey Area Data: Version 12, Sep 29, 2014

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

Date(s) aerial images were photographed: Mar 5, 2011—Mar 17, 2011

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

Ward County, Texas (TX475)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
GP	Pits, gravel	0.4	0.1%
Kc	Kinco fine sandy loam, 0 to 3 percent slopes	125.9	30.2%
MC	McCarran soils, nearly level	2.1	0.5%
Mo	Monahans fine sandy loam, 0 to 2 percent slopes	174.9	41.9%
PY	Pyote soils, undulating	114.0	27.3%
Totals for Area of Interest		**417.3**	**100.0%**

Soil Map—Ward County, Texas
(Golf Course)

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
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- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

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

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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: Ward County, Texas
Survey Area Data: Version 12, Sep 29, 2014

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

Date(s) aerial images were photographed: Mar 5, 2011—Mar 17, 2011

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

Ward County, Texas (TX475)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
Kc	Kinco fine sandy loam, 0 to 3 percent slopes	106.0	91.9%
KD	Kermit-Dune land association, hummocky	9.4	8.1%
Totals for Area of Interest		**115.4**	**100.0%**

Attachment DTR Wksht 3.0-8.B

Soil Analysis

Annual Soil Sample Information
City of Monahans 1.1 MGD WWTP
Attachment Wkst 3.0-8.B

The City of Monahans annual soil samples were collected on January 15-16, 2025. The results are not expected to be received for several weeks. The 2024 soil sample results are attached; the analytical report is dated April 11, 2024, and is dated within 1 year of the TLAP renewal application submittal.

SOIL ANALYSIS REPORT

CLIENT: 41493	PKCC PAUL REYNOLDS PO BOX 778 CLARENDON, TX 79226

Servi-Tech Laboratories
www.servitechlabs.com

1816 E. Wyatt Earp
PO Box 1397
Dodge City, KS 67801
800.557.7509
620.227.7123
Fax 620.227.2047

INVOICE NO:	907538
DATE RECEIVED:	4/11/2024
DATE REPORTED:	03/29/2024

Lab Number(s): 90758, 90761, 90764

SODIUM - CAUTION (4% to 7% Na): The exchangeable soil sodium (as % Na) is moderately high for fine-textured soils and may indicate a developing problem. If irrigated, an irrigation water analysis can help identify the sodium source. Contact the laboratory for details.

Analyses are representative of the samples submitted Samples are retained 30 days after report of analysis Explanations of soil analysis terms are available upon request

Reviewed and Approved By: Michele Lawson, Data Review Coordinator

Michele Lawson

SOIL ANALYSIS REPORT

CLIENT:	PKCC PAUL REYNOLDS PO BOX 778 CLARENDON, TX 79226
41493	

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Fax 620.227.2047

INVOICE NO:	907538
DATE RECEIVED:	4/11/2024
DATE REPORTED:	03/29/2024

METHOD USED:			1:2 Soil-Water		1:2 Soil-Water	XSL(i)	LOI(r)	Cd Reduction		Mehlich 3 ICP											
Lab Number	Sample ID	Sample Depth	Soil pH	Buffer pH	Sol. Salts mmho/cm	Excess Lime	% Organic Matter	Nitrate-Nitrogen ppm	lb. N/A	Phosphorus ppm P	Potassium ppm K	Sulfur ppm	lb. S/A	Calcium ppm Ca	Magnesium ppm Mg	Sodium ppm Na	Zinc ppm Zn	Iron ppm Fe	Manganese ppm Mn	Copper ppm Cu	Boron ppm B
GROWER: CITY OF MONAHANS										FIELD ID: PASTURE											
90753		0 - 6	8.0		0.43	Hi	4.7	21.2	38	448	545	57	103	7540	486	238					
90754		6 - 18	8.3		0.47	Hi	1.5	21.5	77	140	461	63	227	18900	412	205					
90755		18 - 30	8.6		0.31	Hi	0.8	4.5	16	70	419	74	266	22600	417	182					
GROWER: CITY OF MONAHANS										FIELD ID: GOLF COURSE											
90756	TEES/GREENS	0 - 6	8.5		0.20	Hi	1.7	7.0	13	56	199	51	92	11400	268	99					
90757	TEES/GREENS	6 - 18	8.8		0.34	Hi	0.3	6.1	22	23	299	75	270	15400	284	214					
90758	TEES/GREENS	18 - 30	8.3		0.78	Hi	0.2	6.5	23	15	292	353	1270	19400	357	331					
90759	FAIRWAYS	0 - 6	8.5		0.26	Hi	1.5	5.7	10	34	226	74	133	17700	346	139					
90760	FAIRWAYS	6 - 18	8.8		0.40	Hi	0.3	7.3	26	14	228	97	349	24700	358	199					
90761	FAIRWAYS	18 - 30	8.2		0.96	Hi	0.3	6.4	23	1	249	309	1110	28100	417	256					
GROWER: CITY OF MONAHANS										FIELD ID: BALL FIELDS											
90762		0 - 6	8.8		0.24	Hi	0.5	8.4	15	25	351	47	85	7500	337	128					
90763		6 - 18	8.6		0.43	Hi	0.3	4.9	18	5	371	115	414	14800	392	243					
90764		18 - 30	7.9		1.80	Hi	0.4	6.1	22	6	358	3430	12300	26200	545	428					
GROWER: CITY OF MONAHANS										FIELD ID: PASTURE											
114457	90753	0 - 6																			
114458	90754	6 - 18																			

Analyses are representative of the samples submitted Samples are retained 30 days after report of analysis Explanations of soil analysis terms are available upon request

Reviewed and Approved By: Michele Lawson, Data Review Coordinator

Michele Lawson

SOIL ANALYSIS REPORT

CLIENT:	PKCC PAUL REYNOLDS PO BOX 778 CLARENDON, TX 79226
41493	

Servi-Tech Laboratories
www.servitechlabs.com

1816 E. Wyatt Earp
PO Box 1397
Dodge City, KS 67801
800.557.7509
620.227.7123
Fax 620.227.2047

INVOICE NO:	907538
DATE RECEIVED:	4/11/2024
DATE REPORTED:	03/29/2024

METHOD USED:				Hydrometer			Calculated	TKN	Sat. Paste										
Lab Number	Sample ID	Sample Depth	Soil Textural Classification	Sand %	Silt %	Clay %	Total N ppm	TKN ppm	Saturation % Sat	Electrical Conductivity mmho/cm									
90753		0 - 6					3397	3376	56	1.68									
90754		6 - 18					1062	1040	46	1.83									
90755		18 - 30					540	535	40	1.33									
GROWER: CITY OF MONAHANS								FIELD ID: GOLF COURSE											
90756	TEES/GREENS	0 - 6					1257	1250	40	1.00									
90757	TEES/GREENS	6 - 18					376	370	29	1.55									
90758	TEES/GREENS	18 - 30					260	253	29	5.55									
90759	FAIRWAYS	0 - 6					1275	1269	45	1.27									
90760	FAIRWAYS	6 - 18					337	330	35	1.87									
90761	FAIRWAYS	18 - 30					255	249	36	4.40									
GROWER: CITY OF MONAHANS								FIELD ID: BALL FIELDS											
90762		0 - 6					593	585	36	1.34									
90763		6 - 18					275	270	33	2.04									
90764		18 - 30					264	258	37	5.78									
GROWER: CITY OF MONAHANS								FIELD ID: PASTURE											
114457	90753	0 - 6	Sandy Loam	57.6	29.9	12.5													
114458	90754	6 - 18	Sandy Loam	57.5	26.3	16.2													

Analyses are representative of the samples submitted Samples are retained 30 days after report of analysis Explanations of soil analysis terms are available upon request

Reviewed and Approved By: Michele Lawson, Data Review Coordinator

Michele Lawson

SOIL ANALYSIS REPORT

CLIENT:	PKCC PAUL REYNOLDS PO BOX 778 CLARENDON, TX 79226
41493	

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800.557.7509
620.227.7123
Fax 620.227.2047

INVOICE NO:	907538
DATE RECEIVED:	4/11/2024
DATE REPORTED:	03/29/2024

FERTILIZER RECOMMENDATIONS: POUNDS ACTUAL NUTRIENT PER ACRE

Lab Number	Sample ID	Crop To Be Grown	Yield Goal	Lime, ECC Tons/A to raise pH to: 6.0	6.5	7.0	N	P2O5	K2O	Zn	S	Mn	Cu	MgO	B	Ca	Cl
90753																	
90754																	
90755																	
	GROWER: CITY OF MONAHANS						FIELD ID: GOLF COURSE										
90756	TEES/GREENS																
90757	TEES/GREENS																
90758	TEES/GREENS																
90759	FAIRWAYS																
90760	FAIRWAYS																
90761	FAIRWAYS																
	GROWER: CITY OF MONAHANS						FIELD ID: BALL FIELDS										
90762																	
90763																	
90764																	
	GROWER: CITY OF MONAHANS						FIELD ID: PASTURE										
114457	90753																
114458	90754																

Cation Exchange Capacity

CEC	%H	%K	%Ca	%Mg	%Na
31	0	4	79	13	3
31	0	4	82	11	3
30	0	4	82	11	3
28	0	2	89	8	2
29	0	3	86	8	3
30	0	2	83	10	5
29	0	2	86	10	2
29	0	2	85	10	3
30	0	2	83	11	4
29	0	3	85	10	2
30	0	3	83	11	3
32	0	3	77	14	6

SPECIAL COMMENTS AND SUGGESTIONS:

Lab Number(s): 90753, 90754, 90755, 90756, 90757, 90758, 90759, 90760, 90761, 90762, 90763, 90764

The CEC value calculated by cation summation has been adjusted to compensate for the presence of excess lime (reactive carbonates).

Lab Number(s): 90753, 90756, 90759, 90762, 114457

Servi-Tech Laboratory fertilizer recommendations were not requested.

Analyses are representative of the samples submitted Samples are retained 30 days after report of analysis Explanations of soil analysis terms are available upon request

Reviewed and Approved By: Michele Lawson, Data Review Coordinator

Michele Lawson

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

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

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

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

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

City of Monahans (CN600624985) operates the City of Monahans Wastewater Treatment Plant (RN102179835), a municipal sewage treatment plant. The facility is located at 2301 South Ora Ave, in Monahans, Ward County, Texas 79756. A renewal of existing permit WQ0010224001 is being requested. This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain Biochemical Oxygen Demand (5-day) and Total Suspended Solids. Municipal wastewater is treated by an activated sludge process plant operated in the extended aeration mode.

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

AGUAS RESIDUALES DOMÉSTICAS **/AGUAS PLUVIALES**

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

City of Monahans (CN600624985) opera planta de tratamiento de aguas residuals de la ciudad de Monahans (RN102179835), una planta de tratamiento de aguas residuals. La instalación está ubicada en 2301 South Ora Ave, en Monahans, Condado de Ward, Texas 79756. Se solicita la renovación del permiso existente WQ0010224001. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno (5 dias) y sólidos suspendidos totales. Aguas residuals municipales. está tratado por una planta de proceso de lodos activados operada en modo de aireación extendida.

INSTRUCTIONS

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

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

Example 1: Industrial Wastewater TPDES Application (ENGLISH)

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

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

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

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

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

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

Example 2: Domestic Wastewater TPDES 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.

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to discharge at an annual average flow of 1,200,000 gallons per day of treated domestic wastewater via Outfalls 001 and 002.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 3: Domestic Wastewater TPDES New 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.

The City of Texas (CN000000000) proposes to operate the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the extended aeration mode. The facility will be located at 123 Texas Street, in the City of More Texas, Texas County, Texas 71234.

This application is for a new application to discharge at a daily average flow of 200,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), 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 will be treated by an activated sludge process plant and the treatment units will include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 4: 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.

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to dispose a daily average flow not to exceed 76,500 gallons per day of treated domestic wastewater via public access subsurface drip irrigation system with a minimum area of 32 acres. This permit will not authorize a discharge of pollutants into water in the state.

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.

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 CN600624985, RN102179835, Rating Year 2024 which includes Compliance History (CH) components from September 1, 2019, through August 31, 2024.

Customer, Respondent, or Owner/Operator: CN600624985, City of Monahans **Classification:** HIGH **Rating:** 0.00

Regulated Entity: RN102179835, CITY OF MONAHANS **Classification:** UNCLASSIFIED **Rating:** -----

Complexity Points: 6 **Repeat Violator:** NO

CH Group: 08 - Sewage Treatment Facilities

Location: 112 W 2ND ST MONAHANS, TX 79756-4207, WARD COUNTY

TCEQ Region: REGION 07 - MIDLAND

ID Number(s):
WASTEWATER PERMIT WQ0010224001 **TIRES** REGISTRATION 17072

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

Date Compliance History Report Prepared: April 02, 2025

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

Component Period Selected: February 26, 2020 to April 02, 2025

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

Name: PT **Phone:** (512) 239-3581

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.):

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.

City of Monahans, 112 West 2nd Street, Monahans, Texas 79756, has applied to the TCEQ to renew Texas Land Application Permit No. WQ0010224001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 1,100,000 gallons per day via surface irrigation of 49 acres of non-public access grassland south of the sewage treatment plant, 123 acres of public parks, ball fields and cemetery within the City of Monahans, 113 acres in the Ward County Golf Couse, and 185 acres surrounding the Hurd Memorial Airport. The domestic wastewater treatment facility and disposal area are located at 2301 South Ora Street, Monahans, in Ward County, Texas 79756. TCEQ received this application on February 26, 2025. The permit application will be available for viewing and copying at Monahans City Hall, 112 West 2nd Street, Monahans, in Ward 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=-102.903888,31.568611&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, Team Leader, Municipal Permits Team

From: Andrew Gorton, P.G., Water Quality Assessment Team

Date: March 31, 2025

Subject: Geology/Groundwater Recommendations, City of Monahans WWTP**,** Minor Amendment with Renewal, Permit WQ0010224001, Ward County

According to Attachment DAR 1.0-2 (Description of Minor Amendment Change):

The current Monahans WWTP TLAP shows one effluent irrigation point of compliance and set of limits. The permit assumes all flow is through the chlorine contact chamber. The limits are based on irrigation of publicly accessible land. However, the irrigation flow to the adjacent 49 acres of private (not publicly accessible) grassland is chlorinated but by-passes the chlorination chamber. The flow diagram clearly shows the existing flow path from the 2015 application (attached). The proposed 2025 flow diagram further clarifies the process as shown in the 2025 proposed flow diagram (attached following this document and also as Attachment DTR 1.0-2.C.

Per Mr. Deba Dutta's attached email, dated 2/12/2025, TCEQ will make the changes to the permit stating that the 49 acres of non-public access land won't require chlorination. The change will be via renewal with minor amendment.

This minor amendment does not affect the geology/groundwater review.

Based upon review of the existing permit language and an evaluation of the permit application, the WQA Team reviewing geologist recommends the following to the amended and renewed permit:

Revise Special Provision 15 with the following changes (changes in bold, stricken lines should be removed)*:*

15. **For the existing wastewater ponds**: The three storage ponds (Ponds 1, 2, and 3) 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:
   i. More than 30% passing a No. 200 mesh sieve
   ii. Liquid limit greater than 30%
   iii. Plasticity index greater than 15
   iv. A minimum thickness of 2 feet
   ~~**v. Permeability equal to or less than 1x10-7 cm/sec (*)**~~
   ~~**vi. Soil compaction will be 95% standard proctor at optimum moisture content (*)**~~

   ~~**(*) Applicable to new pond construction**~~

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.

If the Executive Director has reason to suspect that any of the three storage ponds may be leaking, the Executive Director may require documentation that the pond liner(s) meet these requirements or may require corrective action or other appropriate action to protect groundwater and surface water resources.

Regarding wastewater ponds, replace Special Provision 21 with the following new Special Provisions:

21. Any new or modified wastewater pond shall be adequately lined to control seepage in accordance with 30 TAC §217.203 **and** 30 TAC 309.13(d) since the facility overlies the recharge zone of an aquifer. 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 7), and the TCEQ Compliance Monitoring Section (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 **and** 30 TAC §309.13(d) since the facility is located on the recharge zone of an aquifer.

22. Facilities for the retention of treated or untreated wastewater shall be adequately managed, operated, and lined to control seepage and prevent unauthorized discharge to water in the state and contamination of groundwater. 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.

23. 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.

Special Note to the Permit Writer: This reviewer suggests that keeping Special Provisions related to wastewater pond liners together – i.e., Special Provisions 15 should be followed by new Special Provisions 21, 22, and 23. Current Special Provisions 16, 17, 18, 19, and 20 should be moved to either before Special Provision 15 or moved to after new Special Provision 23.

TCEQ Interoffice Memorandum

To: Deba Dutta, Team Leader
Municipal Permits Team
From: Alan Barraza
Water Quality Assessment Team
Date: March 31, 2025
Subject: Agronomy Recommendations, City of Monahans WWTF, Renewal w/ Minor Amendment, Permit WQ0010224001, Ward 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. Update Special Provision 4 to the following:

   Irrigation practices shall be designed and managed 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, Bermuda grass and native grasses 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. Update Special Provision 5 to the following:

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

3. Update Special Provision 8 to the following:

   The permittee shall obtain representative soil samples from the root zones of the land application area. Composite sampling techniques shall be used. Each composite sample shall represent no more than 80 acres with no fewer than 15 subsamples representing each composite sample. For analysis and reporting, subsamples shall be composited by like sampling depth, type of crop, and soil type. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 to 18 inches and 18 to 30 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.

   Samples shall be analyzed annually 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	2:1 (v/v) water to soil mixture	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 plus Nitrate-nitrogen		mg/kg (dry weight basis)
Plant-available: Phosphorus	Mehlich III with inductively coupled plasma	1 (P)	mg/kg (dry weight basis)
Plant-available: Potassium (K)	May be determined in the same Mehlich III extract with inductively coupled plasma	5 (K)	mg/kg (dry weight basis)
Amendment addition, e.g., gypsum			Report in *short tons/acre* in the year effected

A copy of this soil testing plan shall be provided 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 7) and the Compliance Monitoring Team (MC 224) of the Enforcement Division, no later than the end of September of each sampling 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 irrigation site(s) during that year.

4. Update Special Provision 11 to 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.

5. Update Special Provision 17 to the following:

The permittee shall use cultural practices to promote and maintain the health and propagation of the Bermuda grass and native grass crops and avoid plant lodging. The

permittee shall harvest the crops (cut and remove it from the field) at least once 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.

6. Update Special Provision 18 to the following:

The physical condition of the land application fields shall be monitored on a weekly basis. Any area with problems such as surface runoff, surficial erosion, or stressed or damaged vegetation, etc., shall be recorded in a field log kept onsite. Corrective measures will be implemented within 24 hours of discovery.