# Administrative Package Cover Page

**This file contains the following documents:**

1. Summary of application (in plain language)
   - English
   - Alternative Language (Spanish)
2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
   - English
   - Alternative Language (Spanish)
3. Application materials

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# Portada de Paquete Administrativo

**Este archivo contiene los siguientes documentos:**

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
   - Inglés
   - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
   - Inglés
   - Idioma alternativo (español)
3. Solicitud original

912 S. Capital of Texas Highway, Suite 300
Austin, Texas 78746
Tel: 512.441.9493
www.quiddity.com

**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 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.*

MV Burleson LLC proposes to operate the Johnson County Municipal Utility District No. 4 wastewater treatment plant, an activated sludge process plant operated in the complete mix mode. The facility will be located approximately 0.5 miles northwest of the intersection of Conveyor Drive and West Bethesda Road, in Johnson County, Texas 76028.

This application is for a new application to discharge at an annual average flow of 1,000,000 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 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, aeration basins, final clarifiers, sludge digesters, chlorine contact chambers and a dechlorination chamber.

**SPANISH**

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

MV Burleson LLC propone operar la planta de tratamiento de aguas residuales del Distrito Municipal de Servicios Públicos No. 4 del Condado de Johnson, una planta de procesamiento de lodos activados que opera en modo de mezcla completa. La instalación estará ubicada aproximadamente a 0,80 km al noroeste de la intersección de Conveyor Drive y West Bethesda Road, en el Condado de Johnson, Texas 76028.

Esta solicitud es para una nueva aplicación para descargar un caudal promedio anual de 1,000,000 de galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno carbonoso de cinco días ($CBOD_5$), sólidos suspendidos totales (TSS), nitrógeno amoniacal ($NH_3$-N) y *Escherichia coli.* Se incluyen otros contaminantes potenciales en el Informe Técnico Doméstico 1.0, Sección 7, Análisis de Contaminantes del Efluente Tratado, y la Hoja de Trabajo Doméstica 4.0 de la solicitud de permiso. Las aguas residuales domésticas se tratan en una planta de lodos activados, cuyas unidades de tratamiento incluyen un tamiz de barras, tanques de aireación, clarificadores finales, digestores de lodos, cámaras de contacto con cloro y una cámara de decloración.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

**PROPOSED PERMIT NO. WQ0016853001**

**APPLICATION.** MV Burleson LLC, 516 West Shore Drive, Richardson, Texas 75080, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016853001 (EPA I.D. No. TX0148245) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 1,000,000 gallons per day. The domestic wastewater treatment facility will be located approximately 0.5 mile northwest of the intersection of Conveyor Drive and West Bethesda Road, near the city of Burleson, in Johnson County, Texas, 76028. The discharge route will be from the plant site to Quil Miller Creek, thence to Village Creek, thence to Lake Arlington. TCEQ received this application on July 29, 2025. The permit application will be available for viewing and copying at Burleson Public Library, 248 Southwest Johnson Avenue, Burleson, in Johnson County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.322777,32.467222&level=18

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

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

**PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application.** The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public

interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

**AGENCY CONTACTS AND INFORMATION.** All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from MV Burleson LLC at the address stated above or by calling Mr. Britton Church, Manager, at (214) 263-2088.

Issuance Date: August 15, 2025

# Comisión de Calidad Ambiental del Estado de Texas

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

**PERMISO PROPUESTO NO. WQ0016853001**

**SOLICITUD.** MV Burleson LLC, 516 West Shore Drive, Richardson, Texas 75080, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016853001 (EPA I.D. No. TX0148245) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio anual de 1,000,000 galones por día. La planta estará ubicada 0.5 millas al noroeste de la intersección de Conveyor Drive y West Bethesda Road, cerca de la ciudad de Burleson, en el Condado de Johnson, Texas 76028. La ruta de descarga estará del sitio de la planta a Quil Miller Creek, de allí a Village Creek, de allí al lago Arlington. La TCEQ recibió esta solicitud el 29 de julio de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca Pública de Burleson, 248 Southwest Johnson Avenue, Burleson, condado de Johnson, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.322777,32.467222&level=18

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

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

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

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

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

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

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

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

**LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante

indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

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

También se puede obtener información adicional del MV Burleson LLC a la dirección indicada arriba o llamando a Señor Britton Church, Gerente al (214) 263-2088.

Fecha de emisión: el 15 de agosto de 2025

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

July 29, 2025

Re: Confirmation of Submission of the New Private Domestic Wastewater Individual Permit Application

Dear Applicant:

This is an acknowledgement that you have successfully completed Private Domestic Wastewater Individual Permit Application.

ER Account Number: ER094863
Application Reference Number: 800429
Authorization Number: WQ0016853001
Site Name: Johnson County Mud No 4 WWTP
Regulated Entity: RN112255963 - JOHNSON COUNTY MUD NO 4 WWTP
Customer(s): CN606411122 - Mv Burleson LLC

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by telephone at (512) 239-4671.

Sincerely,
Applications Review and Processing Team
Water Quality Division

**Texas Commission on Environmental Quality**

New Domestic or Industrial Individual Permit

## Site Information (Regulated Entity)

| | |
|---|---|
| What is the name of the site to be authorized? | Johnson County MUD No. 4 WWTP |
| Does the site have a physical address? | No |
| Because there is no physical address, describe how to locate this site: | 0.5 miles northwest of the intersection of Conveyor Drive and West Bethesda Road |
| City | Burleson |
| State | TX |
| ZIP | 76028 |
| County | JOHNSON |
| Latitude (N) (##.######) | 32.467243 |
| Longitude (W) (-###.######) | -97.322701 |
| Primary SIC Code | 4952 |
| Secondary SIC Code | |
| Primary NAICS Code | 221320 |
| Secondary NAICS Code | |
| **Regulated Entity Site Information** | |
| What is the Regulated Entity's Number (RN)? | |
| What is the name of the Regulated Entity (RE)? | Johnson County MUD No. 4 WWTP |
| Does the RE site have a physical address? | No |
| Because there is no physical address, describe how to locate this site: | 0.5 miles northwest of the intersection of Conveyor Drive and West Bethesda Road |
| City | Burleson |
| State | TX |
| ZIP | 76028 |
| County | JOHNSON |
| Latitude (N) (##.######) | 32.467243 |
| Longitude (W) (-###.######) | -97.322701 |
| Facility NAICS Code | 221320 |
| What is the primary business of this entity? | treatment of domestic wastewater |

## MV Burl-Customer (Applicant) Information (Owner Operator)

| | |
|---|---|
| How is this applicant associated with this site? | Owner Operator |
| What is the applicant's Customer Number (CN)? | |
| Type of Customer | Corporation |
| **Full legal name of the applicant:** | |
| Legal Name | MV Burleson LLC |
| Texas SOS Filing Number | 0806052161 |
| Federal Tax ID | |
| State Franchise Tax ID | 32100377236 |
| State Sales Tax ID | |
| Local Tax ID | |
| DUNS Number | |

| | |
|---|---|
| Number of Employees | 21-100 |
| Independently Owned and Operated? | Yes |
| I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas. | Yes |
| **Responsible Authority Contact** | |
| Organization Name | MV Burleson LLC |
| Prefix | MR |
| First | Britton |
| Middle | |
| Last | Church |
| Suffix | |
| Credentials | |
| Title | Manager |
| **Responsible Authority Mailing Address** | |
| Enter new address or copy one from list: | |
| Address Type | Domestic |
| Mailing Address (include Suite or Bldg. here, if applicable) | 516 W SHORE DR |
| Routing (such as Mail Code, Dept., or Attn:) | |
| City | RICHARDSON |
| State | TX |
| ZIP | 75080 |
| Phone (###-###-####) | 2142632088 |
| Extension | |
| Alternate Phone (###-###-####) | |
| Fax (###-###-####) | |
| E-mail | britton@maneoventures.com |

## Billing Contact

| | |
|---|---|
| **Responsible contact for receiving billing statements:** | |
| Select the permittee that is responsible for payment of the annual fee. | MV Burleson LLC |
| Organization Name | MV Burleson LLC |
| Prefix | |
| First | |
| Middle | |
| Last | |
| Suffix | |
| Credentials | |
| Title | |
| Enter new address or copy one from list: | |
| **Mailing Address** | |
| Address Type | Domestic |
| Mailing Address (include Suite or Bldg. here, if applicable) | 516 W SHORE DR |
| Routing (such as Mail Code, Dept., or Attn:) | |
| City | RICHARDSON |
| State | TX |
| ZIP | 75080 |
| Phone (###-###-####) | 2142632088 |
| Extension | |

| | |
|---|---|
| Alternate Phone (###-###-####) | |
| Fax (###-###-####) | |
| E-mail | britton@maneoventures.com |

## Application Contact

| | |
|---|---|
| **Person TCEQ should contact for questions about this application:** | |
| Same as another contact? | |
| Organization Name | Quiddity Engineering |
| Prefix | |
| First | Jonathan |
| Middle | |
| Last | Nguyen |
| Suffix | |
| Credentials | |
| Title | Permitting Specialist |
| Enter new address or copy one from list: | |
| **Mailing Address** | |
| Address Type | Domestic |
| Mailing Address (include Suite or Bldg. here, if applicable) | 912 S CAPITAL OF TEXAS HWY STE 300 |
| Routing (such as Mail Code, Dept., or Attn:) | |
| City | WEST LAKE HILLS |
| State | TX |
| ZIP | 78746 |
| Phone (###-###-####) | 5126855156 |
| Extension | |
| Alternate Phone (###-###-####) | |
| Fax (###-###-####) | |
| E-mail | jnguyen@quiddity.com |

## Technical Contact

| | |
|---|---|
| **Person TCEQ should contact for questions about this application:** | |
| Same as another contact? | Application Contact |
| Organization Name | Quiddity Engineering |
| Prefix | MR |
| First | Jonathan |
| Middle | |
| Last | Nguyen |
| Suffix | |
| Credentials | |
| Title | Permitting Specialist |
| Enter new address or copy one from list: | |
| **Mailing Address** | |
| Address Type | Domestic |
| Mailing Address (include Suite or Bldg. here, if applicable) | 912 S CAPITAL OF TEXAS HWY STE 300 |
| Routing (such as Mail Code, Dept., or Attn:) | |

| | |
|---|---|
| City | WEST LAKE HILLS |
| State | TX |
| ZIP | 78746 |
| Phone (###-###-####) | 5126855156 |
| Extension | |
| Alternate Phone (###-###-####) | |
| Fax (###-###-####) | |
| E-mail | jnguyen@quiddity.com |

## DMR Contact

**Person responsible for submitting Discharge Monitoring Report Forms:**

| | |
|---|---|
| Same as another contact? | MV Burleson LLC |
| Organization Name | MV Burleson LLC |
| Prefix | MR |
| First | Britton |
| Middle | |
| Last | Church |
| Suffix | |
| Credentials | |
| Title | Manager |
| Enter new address or copy one from list: | |

**Mailing Address:**

| | |
|---|---|
| Address Type | Domestic |
| Mailing Address (include Suite or Bldg. here, if applicable) | 516 W SHORE DR |
| Routing (such as Mail Code, Dept., or Attn:) | |
| City | RICHARDSON |
| State | TX |
| ZIP | 75080 |
| Phone (###-###-####) | 2142632088 |
| Extension | |
| Alternate Phone (###-###-####) | |
| Fax (###-###-####) | |
| E-mail | britton@maneoventures.com |

## Section 1# Permit Contact

### Permit Contact#: 1

**Person TCEQ should contact throughout the permit term.**

| | |
|---|---|
| 1) Same as another contact? | MV Burleson LLC |
| 2) Organization Name | MV Burleson LLC |
| 3) Prefix | MR |
| 4) First | Britton |
| 5) Middle | |
| 6) Last | Church |
| 7) Suffix | |
| 8) Credentials | |
| 9) Title | Manager |

**Mailing Address**

| | |
|---|---|
| 10) Enter new address or copy one from list | |
| 11) Address Type | Domestic |
| 11.1) Mailing Address (include Suite or Bldg. here, if applicable) | 516 W SHORE DR |
| 11.2) Routing (such as Mail Code, Dept., or Attn:) | |
| 11.3) City | RICHARDSON |
| 11.4) State | TX |
| 11.5) ZIP | 75080 |
| 12) Phone (###-###-####) | 2142632088 |
| 13) Extension | |
| 14) Alternate Phone (###-###-####) | |
| 15) Fax (###-###-####) | |
| 16) E-mail | britton@maneoventures.com |

## Public Notice Information

**Individual Publishing the Notices**

| | |
|---|---|
| 1) Prefix | |
| 2) First and Last Name | Jonathan Nguyen |
| 3) Credential | |
| 4) Title | |
| 5) Organization Name | Quiddity Engineering |
| 6) Mailing Address | 912 S CAPITAL OF TEXAS HWY |
| 7) Address Line 2 | |
| 8) City | WEST LAKE HILLS |
| 9) State | TX |
| 10) Zip Code | 78746 |
| 11) Phone (###-###-####) | 5126855156 |
| 12) Extension | |
| 13) Fax (###-###-####) | |
| 14) Email | jnguyen@quiddity.com |

**Contact person to be listed in the Notices**

| | |
|---|---|
| 15) Prefix | MR |
| 16) First and Last Name | Britton Church |
| 17) Credential | |
| 18) Title | Manager |
| 19) Organization Name | MV Burleson LLC |
| 20) Phone (###-###-####) | 2142632088 |
| 21) Fax (###-###-####) | |
| 22) Email | britton@maneoventures.com |

**Bilingual Notice Requirements**

| | |
|---|---|
| 23) 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 |
| 23.1) Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school? | Yes |
| 23.2) Do the students at these schools attend a bilingual education program at another location? | No |

| | |
|---|---|
| 23.3) 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)? | No |
| 23.4) Which language is required by the bilingual program? | Spanish |

## Section 1# Public Viewing Information

### County#: 1

| | |
|---|---|
| 1) County | JOHNSON |
| 2) Public building name | Burleson Public Library |
| 3) Location within the building | |
| 4) Physical Address of Building | 248 SW Johnson Ave |
| 5) City | Burleson |
| 6) Contact Name | |
| 7) Phone (###-###-####) | 8174269210 |
| 8) Extension | |
| 9) Is the location open to the public? | Yes |

## Owner Information

| | |
|---|---|
| **Owner of Treatment Facility** | |
| 1) Prefix | |
| 2) First and Last Name | |
| 3) Organization Name | MV Burleson LLC |
| 4) Mailing Address | 3970 Cobbleston Circle |
| 5) City | Dallas |
| 6) State | TX |
| 7) Zip Code | 75229 |
| 8) Phone (###-###-####) | 2142632088 |
| 9) Extension | |
| 10) Email | britton@maneoventures.com |
| 11) What is ownership of the treatment facility? | Private |
| **Owner of Land (where treatment facility is or will be)** | |
| 12) Prefix | |
| 13) First and Last Name | |
| 14) Organization Name | MV Burleson LLC |
| 15) Mailing Address | 3970 Cobbleston Circle |
| 16) City | Dallas |
| 17) State | TX |
| 18) Zip Code | 75229 |
| 19) Phone (###-###-####) | 2142632088 |
| 20) Extension | |
| 21) Email | britton@maneoventures.com |
| 22) Is the landowner the same person as the facility owner or co-applicant? | Yes |

## Admin General Information

| | |
|---|---|
| 1) Is the facility located on or does the treated effluent cross American Indian Land? | No |

| | |
|---|---|
| 2) What is the authorization type that you are seeking? | Private Domestic Wastewater |
| 2.1) Is the facility previously authorized under a Water Quality individual permit? | No |
| 2.2) What is the proposed total flow in MGD discharged at the facility? | 1 |
| 2.3) Select the applicable fee | >=1.0 MGD - $2,050 |
| 3) What is your facility operational status? | Inactive |
| 4) What is the classification for your authorization? | TPDES |
| 4.1) City nearest the outfall(s): | Burleson |
| 4.2) County where the outfalls are located: | JOHNSON |
| 4.3) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch? | No |
| 4.4) Is the daily average discharge at your facility of 5 MGD or more? | No |
| 5) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application? | Yes |
| 5.1) List each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: | Jonathan Nguyen |

## Plain Language

1) Plain Language

[File Properties]

| | |
|---|---|
| File Name | LANG_01 A - PLS.pdf |
| Hash | A9706E836C0784295BE2CD6592AA715793486C96F0B7538503D14C8A098E78E4 |
| MIME-Type | application/pdf |

## Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

| | |
|---|---|
| File Name | SPIF_02 B - SPIF.pdf |
| Hash | 4B249853284E32EDEE69A34BEB6A27AED98960F5C9653F60283555085BCFCA00 |
| MIME-Type | application/pdf |

## Domestic Attachments

| | |
|---|---|
| 1) Have you clearly outlined and labeled the required information on the original full size USGS Topographic Map? | Yes |

1.1) I certify that I have clearly outlined and labeled the required information on the Topographic map and attached here.

[File Properties]

| | |
|---|---|
| File Name | MAP_TX_Keene_20220804_TM_geo.pdf |
| Hash | 5E14C9D48D821FED6BAD30C49677566AFDD8CC48265733C0FC1D923E5FFD7AA1 |
| MIME-Type | application/pdf |

2) Public Involvement Plan attachment (TCEQ Form 20960)

[File Properties]

| | |
|---|---|
| File Name | PIP_11 K - PIP.pdf |
| Hash | 6E4F85C8DD78274948FFDA93BA811C46BA800618248AAB7DB342F5F228A4156F |
| MIME-Type | application/pdf |

3) Administrative Report 1.1

[File Properties]

| | |
|---|---|
| File Name | ARPT_04 D - Application Technical Report.pdf |
| Hash | 4CBCBA3668BC1D1AE65DA43948A314791D72687771B8586120DAA88F13900824 |
| MIME-Type | application/pdf |

| | |
|---|---|
| 4) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment. | Yes |
| 4.1) I confirm that Technical Report 1.1 is complete and included in the Technical Attachment. | Yes |
| 4.2) I confirm that Worksheet 2.0 (Receiving Waters) is complete and included in the Technical Attachment. | Yes |
| 4.3) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment? | No |
| 4.4) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment? | No |
| 4.5) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment? | No |
| 4.6) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment? | No |

4.7) Technical Attachment

[File Properties]

| | |
|---|---|
| File Name | TECH_04 D - Application Technical Report.pdf |
| Hash | 4CBCBA3668BC1D1AE65DA43948A314791D72687771B8586120DAA88F13900824 |
| MIME-Type | application/pdf |

5) Affected Landowners Map

[File Properties]

| | |
|---|---|
| File Name | LANDMP_12 L - Affected Landowners.pdf |
| Hash | E118FA148118C42C1C85B6B93540589429591598C5A91E63AA3607F06874AADC |
| MIME-Type | application/pdf |

6) Landowners Cross Reference List

[File Properties]

| | |
|---|---|
| File Name | LANDCRL_12 L - Affected Landowners.pdf |
| Hash | E118FA148118C42C1C85B6B93540589429591598C5A91E63AA3607F06874AADC |
| MIME-Type | application/pdf |

7) Landowner Avery Template

[File Properties]

| | |
|---|---|
| File Name | LANDAT_Maneo JCMUD 4 Mailing Labels.docx |
| Hash | ABCF06FF2FFD36E66C6F2ED0118CE7FC774E9CFA717BD7F2A90E05DB9DCC4DD0 |
| MIME-Type | application/vnd.openxmlformats-officedocument.wordprocessingml.document |

8) Buffer Zone Map

[File Properties]

| | |
|---|---|
| File Name | BUFF_ZM_05 E - Buffer.pdf |
| Hash | F83436DE511BAA524ED8AECFB5D3EF9851F6B94F74C59EFBD7B93362EB5B726D |
| MIME-Type | application/pdf |

9) Flow Diagram

[File Properties]
File Name FLDIA_06 F - Flow Schematics.pdf
Hash 0BA5DCEBE6E6AD79B4AC12D698F96938B5E99FA54BE0698C8E638A2303F4AAF1
MIME-Type application/pdf

10) Site Drawing
[File Properties]
File Name SITEDR_07 G - Service Area Map.pdf
Hash 2E7C4A9F33122F9BCE4E4F164D3B71786F00E0046FA5C2E4A76C8B97F597E277
MIME-Type application/pdf

11) Original Photographs
[File Properties]
File Name ORIGPH_13 M - Photos.pdf
Hash ADF4AD2CE30D9A396512C9CC6076628098B0EAC28664D788898D6866FEE4B9F8
MIME-Type application/pdf

12) Design Calculations
[File Properties]
File Name DES_CAL_08 H - Supplemental Technical Report.pdf
Hash E596F473BE88A62E8B87A7E49B625283D04F484095910F805BECC1C4773428FC
MIME-Type application/pdf

13) Solids Management Plan
[File Properties]
File Name SMP_09 I - Sludge Management Plan.pdf
Hash 2540007DDA34A8F797A7B277EE996495576668F19FA1E4FC34FA0428E0B40CBE
MIME-Type application/pdf

14) Water Balance
[File Properties]
File Name WB_Water Balance.pdf
Hash 0CD51CD490266076F2C688F47462E45EB74E1905B78A83AF48D39E654720D242
MIME-Type application/pdf

15) Other Attachments
[File Properties]
File Name OTHER_10 J - Core Data Form.pdf
Hash 668558F8D93114CD67E11B545C1810CC4E270C04BEDDCA0A195032394778BADD
MIME-Type application/pdf

[File Properties]
File Name OTHER_14 N - Area Water Wells.pdf
Hash 978823BF1580F51D8EB27F9B872DB14C52A6572282570003CFA586026D622848
MIME-Type application/pdf

[File Properties]
File Name OTHER_15 O - Wetlands.pdf
Hash DFD464B61791BC0D9E7FC8630E49CBE68C5BA8023AB89B61D645FE527709635F
MIME-Type application/pdf

[File Properties]

| | |
|---|---|
| File Name | OTHER_16 P - Justification.pdf |
| Hash | 3C6292807A27378A76521956EB0A215BAD03CCB74BA201E3C33A62EB7CC592B1 |
| MIME-Type | application/pdf |

[File Properties]

| | |
|---|---|
| File Name | OTHER_17 Q - Regionalization.pdf |
| Hash | 4B3F8DCC229A79442ABC0F9F88E23DEEA4DEEF55BC2DC882C035ACA4B83A0414 |
| MIME-Type | application/pdf |

[File Properties]

| | |
|---|---|
| File Name | OTHER_18 R - Floodplain.pdf |
| Hash | C9B3BD8903DF3686DE576E892DF6BE8A4451A75F0A0A7E8EBC74D8CA63C49F7D |
| MIME-Type | application/pdf |

[File Properties]

| | |
|---|---|
| File Name | OTHER_19 S - Windrose.pdf |
| Hash | 04D8B08F5159F0538F199C5052B0114966CFF8F6F4C37B43DD23E5C03E4FD04D |
| MIME-Type | application/pdf |

## Certification

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

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.

1. I am Britton Church, the owner of the STEERS account ER114368.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing New Domestic or Industrial Individual Permit.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER OPERATOR Signature: Britton Church OWNER OPERATOR

| | |
|---|---|
| Customer Number: | |
| Legal Name: | MV Burleson LLC |
| Account Number: | ER114368 |
| Signature IP Address: | 70.240.246.51 |
| Signature Date: | 2025-07-29 |
| Signature Hash: | 9ED148033CDE615BA2A231FE88F3B7EBEB0EB1EF6376DA8EEC7173E8053CE0A4 |
| Form Hash Code at time of Signature: | 3A0BAF972DE0955AB33DA5C4B7A1C32DF03E16605A0343F290288591EE92A06A |

## Fee Payment

| | |
|---|---|
| Transaction by: | The application fee payment transaction was made by ER114368/Britton Church |
| Paid by: | The application fee was paid by BRITTON CHURCH |
| Fee Amount: | $2000.00 |
| Paid Date: | The application fee was paid on 2025-07-29 |
| Transaction/Voucher number: | The transaction number is 582EA000678342 and the voucher number is 776874 |

## Submission

| | |
|---|---|
| Reference Number: | The application reference number is 800429 |
| Submitted by: | The application was submitted by ER094863/Huan J Nguyen |
| Submitted Timestamp: | The application was submitted on 2025-07-29 at 11:02:27 CDT |
| Submitted From: | The application was submitted from IP address 98.6.100.154 |
| Confirmation Number: | The confirmation number is 667668 |
| Steers Version: | The STEERS version is 6.92 |

## Additional Information

Application Creator: This account was created by Huan J Nguyen

**ATTACHMENT J**

**CORE DATA FORM**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

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** | | **RN** |

## SECTION II: Customer Information

| **4. General Customer Information** | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) | 5/23/2025 |
|---|---|---|

☒ 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:*

MV Burleson LLC

| **7. TX SOS/CPA Filing Number** | **8. TX State Tax ID** (11 digits) | **9. Federal Tax ID** (9 digits) | **10. DUNS Number** *(if applicable)* |
|---|---|---|---|
| 0806052161 | 32100377236 | | |

**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:** | 516 West Shore Dr. | | | | | | |
|---|---|---|---|---|---|---|---|
| | **City** | Richardson | **State** | TX | **ZIP** | 75080 | **ZIP + 4** |

| **16. Country Mailing Information** *(if outside USA)* | **17. E-Mail Address** *(if applicable)* |
|---|---|
| | britton@maneoventures.com |

| 18. Telephone Number | 19. Extension or Code | 20. Fax Number *(if applicable)* |
|---|---|---|
| ( 214 ) 263-2088 | | ( ) - |

## 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.)*

Johnson County Municipal Utility District No. 4 Wastewater Treatment Facility

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

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

| | | | | | |
|---|---|---|---|---|---|
| **25. Description to Physical Location:** | 0.5 miles northwest of the intersection of Conveyor Drive and West Bethesda Road | | | | |
| **26. Nearest City** | | | **State** | **Nearest ZIP Code** | |
| Burleson | | | TX | 76028 | |

***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:** | 32.467243 | | **28. Longitude (W) In Decimal:** | -97.322703 | |
|---|---|---|---|---|---|
| Degrees | Minutes | Seconds | Degrees | Minutes | Seconds |
| | | | | | |

| **29. Primary SIC Code** (4 digits) | **30. Secondary SIC Code** (4 digits) | **31. Primary NAICS Code** (5 or 6 digits) | **32. Secondary NAICS Code** (5 or 6 digits) |
|---|---|---|---|
| 4952 | | 221320 | |

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

treatment of municipal wastewater

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **34. Mailing Address:** | **516 West Shore Dr.** | | | | | | | |
| | **City** | **Richardson** | **State** | **TX** | **ZIP** | **75080** | **ZIP + 4** | |
| **35. E-Mail Address:** | **britton@maneoventures.com** | | | | | | | |

| 36. Telephone Number | 37. Extension or Code | 38. Fax Number *(if applicable)* |
|---|---|---|
| **( 214 ) 263-2088** | | ( ) - |

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

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

## SECTION IV: Preparer Information

| **40. Name:** | Jonathan Nguyen | **41. Title:** | Permitting Specialist |
|---|---|---|---|

| **42. Telephone Number** | **43. Ext./Code** | **44. Fax Number** | **45. E-Mail Address** |
|---|---|---|---|
| **(** 512 **)** 685-5156 | | **(  )** - | jnguyen@quiddity.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:** | MV Burleson, LLC | **Job Title:** | Manager | |
|---|---|---|---|---|
| **Name** *(In Print):* | Britton Church | | **Phone:** | **(** 214 **)** 263- **2088** |
| **Signature:** | | | **Date:** | |

**ATTACHMENT A**

**PLAIN LANGUAGE SUMMARY**

**MV BURLESON, LLC**
**JOHNSONC COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

912 S. Capital of Texas Highway, Suite 300
Austin, Texas 78746
Tel: 512.441.9493
www.quiddity.com

**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 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.*

MV Burleson LLC proposes to operate the Johnson County Municipal Utility District No. 4 wastewater treatment plant, an activated sludge process plant operated in the complete mix mode. The facility will be located approximately 0.5 miles northwest of the intersection of Conveyor Drive and West Bethesda Road, in Johnson County, Texas 76028.

This application is for a new application to discharge at an annual average flow of 1,000,000 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 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, aeration basins, final clarifiers, sludge digesters, chlorine contact chambers and a dechlorination chamber.

**SPANISH**

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

MV Burleson LLC propone operar la planta de tratamiento de aguas residuales del Distrito Municipal de Servicios Públicos No. 4 del Condado de Johnson, una planta de procesamiento de lodos activados que opera en modo de mezcla completa. La instalación estará ubicada aproximadamente a 0,80 km al noroeste de la intersección de Conveyor Drive y West Bethesda Road, en el Condado de Johnson, Texas 76028.

Esta solicitud es para una nueva aplicación para descargar un caudal promedio anual de 1,000,000 de galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno carbonoso de cinco días ($CBOD_5$), sólidos suspendidos totales (TSS), nitrógeno amoniacal ($NH_3$-N) y *Escherichia coli.* Se incluyen otros contaminantes potenciales en el Informe Técnico Doméstico 1.0, Sección 7, Análisis de Contaminantes del Efluente Tratado, y la Hoja de Trabajo Doméstica 4.0 de la solicitud de permiso. Las aguas residuales domésticas se tratan en una planta de lodos activados, cuyas unidades de tratamiento incluyen un tamiz de barras, tanques de aireación, clarificadores finales, digestores de lodos, cámaras de contacto con cloro y una cámara de decloración.

**ATTACHMENT K**

**PUBLIC INVOLVEMENT PLAN**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

Texas Commission on Environmental Quality

# Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

## Section 1. Preliminary Screening

☒ New Permit or Registration Application

☐ New Activity – modification, registration, amendment, facility, etc. (see instructions)

**If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.**

## Section 2. Secondary Screening

☒ Requires public notice,

☐ Considered to have significant public interest, **and**

☒ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2 and submit the form.**

☐ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

## Section 3. Application Information

**Type of Application (check all that apply):**

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☒ Texas Pollutant Discharge Elimination System (TPDES)

☐ Texas Land Application Permit (TLAP)

☐ State Only Concentrated Animal Feeding Operation (CAFO)

☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

☐ Major Amendment that could affect other water rights or the environment

## Section 4. Plain Language Summary

Provide a brief description of planned activities.

MV Burleson LLC proposes to operate the Johnson County Municipal Utility District No. 4 wastewater treatment plant, an activated sludge process plant operated in the complete mix mode. The facility will be located approximately 0.5 miles northwest of the intersection of Conveyor Drive and West Bethesda Road, in Johnson County, Texas 76028.

This application is for a new application to discharge at an annual average flow of 1,000,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-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, aeration basins, final clarifiers, sludge digesters, chlorine contact chambers and a dechlorination chamber.

## Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

**Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.**

Cross Timber

(City)

Johnson

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

☒ City ☐ County ☐ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

76.9%

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

$83,889

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

12% Hispanic

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

88.1% English, 11.8% Spanish

(e) Languages commonly spoken in area by percentage

English

(f) Community and/or Stakeholder Groups

N/A

(g) Historic public interest or involvement

N/A

## Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☒ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☐ No

If Yes, please describe.

**If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.**

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☐ No

**Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.**

If yes, how will you provide notice in alternative languages?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

☐ TCEQ Regional Office ☐ TCEQ Central Office

☐ Public Place (specify)

## Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

**KEENE QUADRANGLE**
**TEXAS - JOHNSON COUNTY**
**7.5-MINUTE SERIES**

-97.3750° 32.5000° 653000mE 3597000mN -97.2500° 32.5000°

**Proposed Wastewater Treatment Plant**

**Proposed Development, Property Owned by the Permittee**

**Discharge Route 3 Miles Downstream**

**One-mile Radius**

**Proposed Outfall**

**Plant Location: 0.5 miles northwest of the intersection of Conveyor Drive and West Bethesda Road, in Johnson County, Texas 76028**

**Discharge Route: to Quil Miller Creek, thence to Village Creek, thence to Lake Arlington in Segment No. 0828 of the Trinity River Basin**

**Outfall Coordinates: 32.467156°, -97.320986°**

Briaroaks
Cross Timber
BURLESON
JOSHUA
Egan
Keene
KEENE
Bethesda Cem
Marystown Cem
Union Hill Cem
Lane Prairie Cem
Hopewell Cem
Keene Memorial Park
Southwestern Adventist University
Buel Cem
Bethany Rest Cem

3597000mN 653000mE 3584000mN 664000mE

**Produced by the United States Geological Survey**
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14S

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads..... U.S. Census Bureau, 2015 - 2018
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2000 - 2018
Contours.....National Elevation Dataset, 2021
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
3°29'
62 MILS
0°54'
16 MILS

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
PA
Grid Zone Designation
14S

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

| | | |
|---|---|---|
| 1 | 2 | 3 |
| 4 | | 5 |
| 6 | 7 | 8 |

ADJOINING QUADRANGLES
1 Primrose
2 Burleson
3 Mansfield
4 Joshua
5 Alvarado
6 Cleburne West
7 Cleburne East
8 Grandview

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

**KEENE, TX**
**2022**

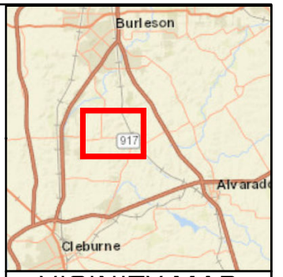
NSN. 7643016396762
NGA REF NO. USGSX24K23137

**ATTACHMENT L**

**AFFECTED LANDOWNERS**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337




VICINITY MAP
1 INCH = 10 MILES

LEGEND

- Outfall
- 1 Mile Downstream
- Streams
- Adjacent Parcels
- WWTP Boundary
- Development Boundary
- JCAD Parcels

Approx. 1 Mi. Downstream From Outfall

WWTP

Outfall
Latitude: 32.467156°
Longtitude: -97.320986°

Alan Dr
Alan Ct
Cortland Cir
Nicole Dr
Co Rd 603
Collins Rd
Tyler Rd
Kirk Ln
St Jones Dr
St Chase Ct
Co Rd 710
G Evans Dr
Conveyor Dr
Quill Miller Crk
W Bethesda Rd
S West Dr
S Center Dr
South Dr
S East Dr
Industrial Blvd
Co Rd 805C
Courtney Ln
Oak Meadow Dr
Co Rd 806
Co Rd 741
Woodview Dr
Falconcrest Dr
Shady Ln
Timberview Ct
Co Rd 805
Rangeway Dr
Regal View Dr
Ridgewood Dr
Sunset Dr
Meadow Rd
Oak Ridge Rd
Summit Dr
Royalwood Cir
Co Rd 609
Arthur Ln
Smiling Hills Ct
Bayleson Oaks Dr
Co Rd 805F
FM 2280
Slayton Rd
Pondera Cir
Co Rd 607

AFFECTED LANDOWNERS

JCMUD No. 4
JOHNSON COUNTY, TEXAS

0 1,200
1 INCH : 1,200 FEET
IMAGERY PROVIDED BY NEARMAP



QUIDDITY
Texas Board of Professional Engineers Registration No. F-23290

Path: V:\Projects\Workspace\Corporate Services\GIS\Projects\0_Archive\Jobs_Nguyen Marsico Johnson County MUD No. 4\Adj_&_Downstream_Landowners_(11x17).mxd Project Number: 292015-0002-01000 Date: 7/9/2025 User Name: adsl

912 S. Capital of Texas Highway, Suite 300
Austin, Texas 78746
Tel: 512.441.9493
www.quiddity.com

# Johnson County MUD No. 4 TPDES Application
## Affected Landowners List

| Object ID | Owner | Mailing Address |
|---|---|---|
| 1 | FOSTER BETTY A | 128 SPRINGHILL DR, HURST, TX 76054 |
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| 3 | UNARUT RAPEEPAT | 312 HUNTER PASS, WAXAHACHIE, TX 75165 |
| 4 | WOMBLE BOBBY L ESTATE OF & BECKY | 4741 CR 806, CLEBURNE, TX 76031 |
| 5 | DELATORRE JORGE | 516 W INWOOD, ARLINGTON, TX 76010 |
| 6 | VALLIN ANDRES | 4953 COUNTY ROAD 806, CLEBURNE, TX 76031 |
| 7 | MET GROUP LLC | 3680 COLLINS RD, BURLESON, TX 76028 |
| 8 | PHELPS REAL ESTATE III LLC | 123 GARFIELD AVE, WINTER PARK, FL 32789 |
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| 13 | STRIDE RIGHT LLC | 4263 ADDAX TRL, FRISCO, TX 75034 |
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| 15 | OLGUIN ANGELBERTH & ANA ISABEL | 1708 GREENBEND DR, ARLINGTON, TX 76018 |
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| 17 | KWS MANUFACTURING LTD | 3041 CONVEYOR DR, BURLESON, TX 76028 |
| 18 | WINNETT ROAD LLC | 4904 WINNETT RD, BURLESON, TX 76028 |
| 19 | COLLINS STEPHEN N | 3316 CONVEYOR DR, BURLESON, TX 76028 |
| 20 | WELLS CLEVE | 3400 CONVEYOR DR, BURLESON, TX 76028 |
| 21 | COLLINS NANCY MARIE | 3604 CONVEYOR DR, BURLESON, TX 76028 |
| 22 | GRUENZNER SCOTT ETUX KIMBERLY | 5721 BURLESON OAKS DR, BURLESON, TX 76028 |
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| 41 | BOEKER ROBERT ANDREW | 3110 CONVEYOR DR, BURLESON, TX 76028 |
| 42 | GOTECH BARN LLC | 5509 DIMEBOX DR, MCKINNEY, TX 75070 |
| 43 | ISBELL ALTON OLIVER | 2841 PRIVATE ACCESS ROAD 73107, BURLESON, TX 76028 |
| 44 | SHERWOOD FOREST ESTATES LLC | 8828 LAUREL LN, KELLER, TX 76248 |
| 45 | JACKSON JOHN D | 2911 CONVEYOR DR, BURLESON, TX 76028 |
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| 47 | HALL CAROL ANN | 2808 CONVEYOR DR, BURLESON, TX 76028 |
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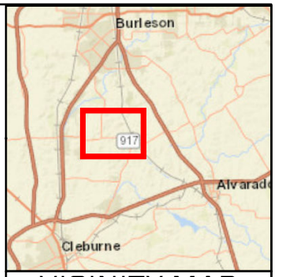
| 66 | NANCYLEE JOHNSON LIFE ESTATE & | 1813 RANGEWAY DR, JOSHUA, TX 76058 |
| 67 | SNEAD IRENE E LIFE ESTATE | 1807 RIDGEWOOD DR, JOSHUA, TX 76058 |
| 68 | SOTO EDUARDO ETUX LEDIA | 1805 SUNSET DRIVE, JOSHUA, TX 76058 |
| 69 | PREWITT TROY R ETUX JULIE K | 5521 CR 805, JOSHUA, TX 76058 |
| 70 | 1814 SUNSET DRIVE LTD | 251 SW WILSHIRE BLVD STE 124 BOX 513, BURLESON, TX 76028 |
| 71 | ISBELL ALTON OLIVER & FANNY ORTEGA GARCIA | 2901 CONVEYOR DR, BURLESON, TX 76028 |
| 72 | REDSTONE INVESTMENTS LLC | 8828 LAUREL LN, KELLER, TX 76248 |

**ATTACHMENT L**

**AFFECTED LANDOWNERS**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337




VICINITY MAP
1 INCH = 10 MILES

LEGEND

- Outfall
- 1 Mile Downstream
- Streams
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- WWTP Boundary
- Development Boundary
- JCAD Parcels

Approx. 1 Mi. Downstream From Outfall

WWTP

Outfall
Latitude: 32.467156°
Longtitude: -97.320986°

Alan Dr
Alan Ct
Cortland Cir
Nicole Dr
Co Rd 603
Collins Rd
Tyler Rd
Kirk Ln
St Jones Dr
St Chase Ct
Co Rd 710
G Evans Dr
Conveyor Dr
Quill Miller Crk
W Bethesda Rd
S West Dr
S Center Dr
South Dr
S East Dr
Industrial Blvd
Co Rd 805C
Courtney Ln
Oak Meadow Dr
Co Rd 806
Co Rd 741
Woodview Dr
Falconcrest Dr
Shady Ln
Timberview Ct
Co Rd 805
Rangeway Dr
Regal View Dr
Ridgewood Dr
Sunset Dr
Meadow Rd
Oak Ridge Rd
Summit Dr
Royalwood Cir
Co Rd 609
Arthur Ln
Smiling Hills Ct
Bayleson Oaks Dr
Co Rd 805F
FM 2280
Slayton Rd
Pondera Cir
Co Rd 607

AFFECTED LANDOWNERS

JCMUD No. 4
JOHNSON COUNTY, TEXAS

0 1,200
1 INCH : 1,200 FEET
IMAGERY PROVIDED BY NEARMAP



QUIDDITY
Texas Board of Professional Engineers Registration No. F-23290

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912 S. Capital of Texas Highway, Suite 300
Austin, Texas 78746
Tel: 512.441.9493
www.quiddity.com

# Johnson County MUD No. 4 TPDES Application
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| 66 | NANCYLEE JOHNSON LIFE ESTATE & | 1813 RANGEWAY DR, JOSHUA, TX 76058 |
| 67 | SNEAD IRENE E LIFE ESTATE | 1807 RIDGEWOOD DR, JOSHUA, TX 76058 |
| 68 | SOTO EDUARDO ETUX LEDIA | 1805 SUNSET DRIVE, JOSHUA, TX 76058 |
| 69 | PREWITT TROY R ETUX JULIE K | 5521 CR 805, JOSHUA, TX 76058 |
| 70 | 1814 SUNSET DRIVE LTD | 251 SW WILSHIRE BLVD STE 124 BOX 513, BURLESON, TX 76028 |
| 71 | ISBELL ALTON OLIVER & FANNY ORTEGA GARCIA | 2901 CONVEYOR DR, BURLESON, TX 76028 |
| 72 | REDSTONE INVESTMENTS LLC | 8828 LAUREL LN, KELLER, TX 76248 |

1814 SUNSET DRIVE LTD
251 SW WILSHIRE BLVD STE 124
BOX 513
BURLESON TX 76028

ARCHER HEATH S & JACLYN M
909 MCKAVETT DR
BURLESON TX 76028

BALL ROGER
6860 KIRK LN
BURLESON TX 76028

BARDWELL JAMES CLAY
5725 CR 805
JOSHUA TX 76058

BARNETT BRADLEY H ETUX
1811 SUNSET DR
JOSHUA TX 76058

BASSHAM RONNIE L ETUX JOANNA
1508 W BETHESDA RD
BURLESON TX 76028

BLUE SWIRL LLC
3900 SOUTH DR
BURLESON TX 76028

BOEKER ROBERT ANDREW
3110 CONVEYOR DR
BURLESON TX 76028

CLARK JEREMY W
3104 CONVEYOR DR
BURLESON TX 76028

COCHELL JOAN
PO BOX 1961
JOSHUA TX 76058

COLLINS KENNETH OLLEN
3005 FM 731
BURLESON TX 76028

COLLINS NANCY MARIE
3604 CONVEYOR DR
BURLESON TX 76028

COLLINS STEPHEN N
3316 CONVEYOR DR
BURLESON TX 76028

DELATORRE JORGE
516 W INWOOD
ARLINGTON TX 76010

DENTON CODY K ETUX AMANDA NECOLE
1809 RANGEWAY DR
JOSHUA TX 76058

DICKERSON CHARLES E
2700 CONVEYOR DR
BURLESON TX 76028

DURAN JORGE L ETUX CLARA G
3327 FM 731
BURLESON TX 76028

EAST OWL PROPERTIES LLC
PO BOX 3012
BURLESON TX 76028

EMMERT MARK W
5741 CR 805
JOSHUA TX 76058

FOSTER BETTY A
128 SPRINGHILL DR
HURST TX 76054

GARZA GUSTAVO
3712 EARL ST
FORT WORTH TX 76140

GOTECH BARN LLC
5509 DIMEBOX DR
MCKINNEY TX 75070

GRAY THOMAS W & LAURA
3435 FM 731
BURLESON TX 76028

GRUENZNER SCOTT ETUX KIMBERLY
5721 BURLESON OAKS DR
BURLESON TX 76028

HALL CAROL ANN
2808 CONVEYOR DR
BURLESON TX 76028

HORN JEFFREY DOUGLAS ETUX LISA MARIE
5611 CR 805
JOSHUA TX 76058

HOUSTON RUSSELL L ETUX LINDSEY C
5613 CR 805
JOSHUA TX 76058

HUDSON LOUIS W ETUX MARY ANN
1815 SUNSET DR
JOSHUA TX 76058

INDUSTRIAL SCREW CONVEYORS INC
4133 CONVEYOR DR
BURLESON TX 76028

ISBELL ALTON OLIVER
2841 PRIVATE ACCESS ROAD 73107
BURLESON TX 76028

ISBELL ALTON OLIVER & FANNY ORTEGA GARCIA
2901 CONVEYOR DR
BURLESON TX 76028

JACKSON JOHN D
2911 CONVEYOR DR
BURLESON TX 76028

KWS MANUFACTURING LTD
3041 CONVEYOR DR
BURLESON TX 76028

MATHIS RUSSELL ETUX LORI
1809 SUNSET DR
JOSHUA TX 76058

MC GOWEN JOE M
5541 MEADOW DR
JOSHUA TX 76058

MET GROUP LLC
3680 COLLINS RD
BURLESON TX 76028

NANCYLEE JOHNSON LIFE ESTATE &
1813 RANGEWAY DR
JOSHUA TX 76058

OLGUIN ANGELBERTH & ANA ISABEL
1708 GREENBEND DR
ARLINGTON TX 76018

PAINTER DAVID
1805 RANGEWAY DR
JOSHUA TX 76058

PHELPS REAL ESTATE III LLC
123 GARFIELD AVE
WINTER PARK FL 32789

PREWITT TROY R ETUX JULIE K
5521 CR 805
JOSHUA TX 76058

REDSTONE INVESTMENTS LLC
8828 LAUREL LN
KELLER TX 76248

SEEKINS RHETT M
3345 FM 731
BURLESON TX 76028

SNEAD IRENE E LIFE ESTATE
1807 RIDGEWOOD DR
JOSHUA TX 76058

SOTO EDUARDO ETUX LEDIA
1805 SUNSET DRIVE
JOSHUA TX 76058

STRAIN RICHARD B ETUX KELI L TEICH
6115 C EVANS DR
BURLESON TX 76028

STREAMLINE LEASING INC
P O BOX 40238
FT WORTH TX 76140

STRIDE RIGHT LLC
4263 ADDAX TRL
FRISCO TX 75034

THIEBAUD JAMES CLIFTON ETUX KRISTEN L
3225 FM 731
BURLESON TX 76028

UNARUT RAPEEPAT
312 HUNTER PASS
WAXAHACHIE TX 75165

VALLIN ANDRES
4953 COUNTY ROAD 806
CLEBURNE TX 76031

VEST C W ETUX LINDA
P O BOX 1026
JOSHUA TX 76058

WATTS CHRISTOPHER
1813 SUNSET DR
JOSHUA TX 76058

WELLS CLEVE
3400 CONVEYOR DR
BURLESON TX 76028

WINNETT ROAD LLC
4904 WINNETT RD
BURLESON TX 76028

WITHERSPOON CLIFF
6117 C EVANS DR
BURLESON TX 76028

WOMBLE BOBBY L ESTATE OF & BECKY
4741 CR 806
CLEBURNE TX 76031

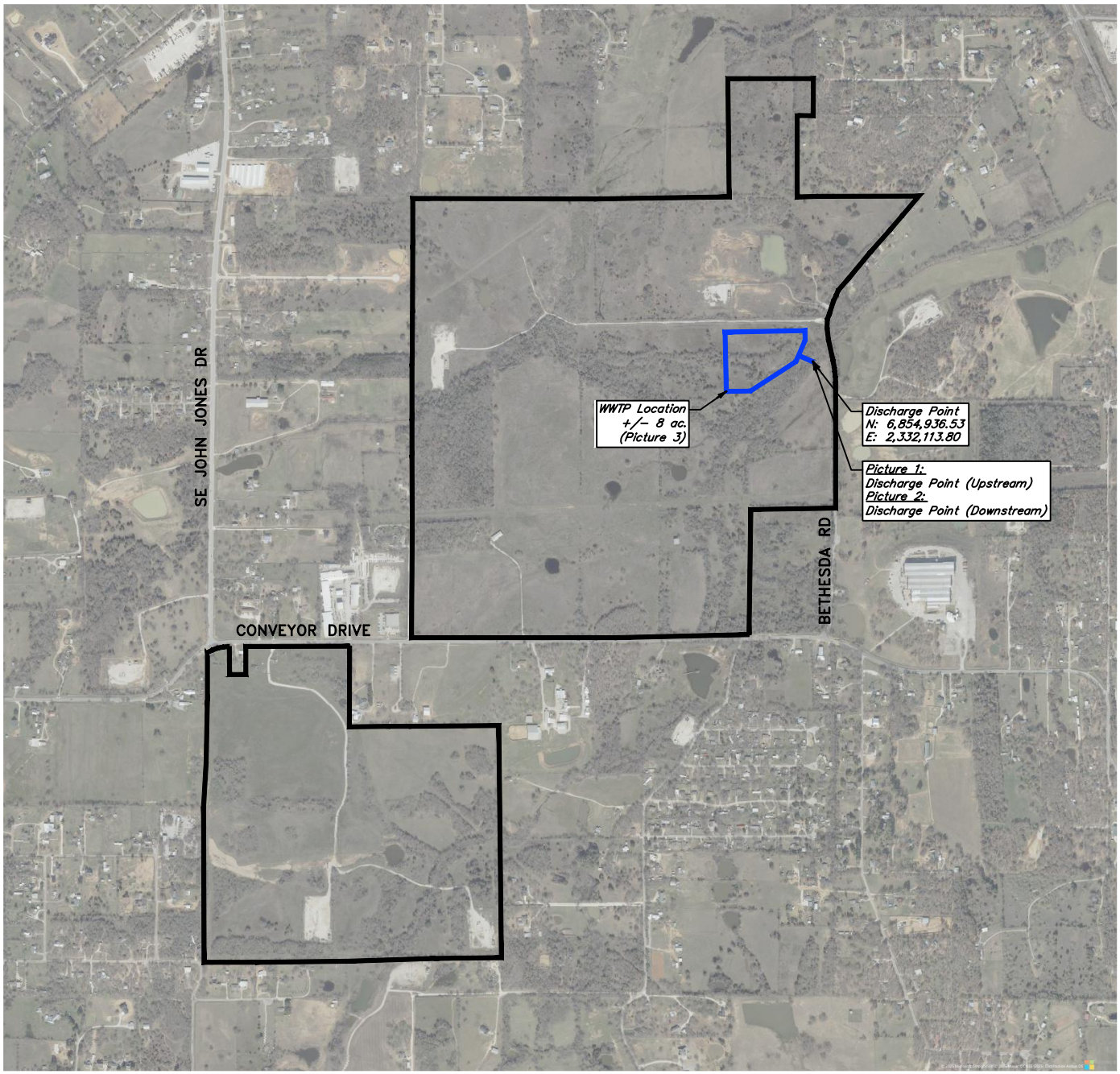
**ATTACHMENT M**

**ORIGINAL PHOTOGRAPHS**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

# BURLESON DISCHARGE POINT EXHIBIT




LEGEND

- WWTP SERVICE AREA
- WWTP LOCATION

1500 0 750 1500

SCALE: 1" = 1500'

## BURLESON TRACT

BEING +/- 578 ACRES
JOHNSON COUNTY, TEXAS

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Reg. No. F-23290
2805 Dallas Parkway, Suite 600 • Plano, Texas 75093 • 972.488.3880

QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Reg. No. F-23290
2805 Dallas Parkway, Suite 600 • Plano, Texas 75093 • 972.488.3880

# PICTURE 1

Discharge Point (Upstream)

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# PICTURE 2

Discharge Point (Downstream)

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2805 Dallas Parkway, Suite 600 • Plano, Texas 75093 • 972.488.3880

# PICTURE 3

WWTP Site Location

**ATTACHMENT B**

**SUPPLEMENTAL PERMIT INFORMATION FORM**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

## FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

**TCEQ USE ONLY:**

Application type: _____Renewal _____Major Amendment ____Minor Amendment _____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

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

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

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

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

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

The following applies to all applications:

1. Permittee: MV Burleson, LLC

   Permit No. WQ00 New Permit EPA ID No. TX New Permit

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

   0.5 miles northwest of the intersection of Conveyor Drive and West Bethesda Road, in Johnson County, Texas 76028

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

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

   First and Last Name: Jonathan Nguyen

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

Title: Permitting Specialist

Mailing Address: 912 South Capital of Texas Hwy, Suite 300

City, State, Zip Code: Austin, TX 78746

Phone No.: 512-685-5156 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: jnguyen@quiddity.com

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

   Owner is the permittee.

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

   To Quil Miller Creek, then to Village Creek, then to Lake Arlington in Segment No. 0828 of the Trinity River Basin

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

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

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

   ☒ Proposed access roads, utility lines, construction easements

   ☐ Visual effects that could damage or detract from a historic property's integrity

   ☒ Vibration effects during construction or as a result of project design

   ☒ Additional phases of development that are planned for the future

   ☐ Sealing caves, fractures, sinkholes, other karst features

   ☐ Disturbance of vegetation or wetlands

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

   Approximately 8 acres will be dedicated to the facility. No caves or karst features will be impacted.

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

   Existing land use is for agriculture.

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

AMENDMENTS TO TPDES PERMITS

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

None.

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

None.

**ATTACHMENT E**

**BUFFER ZONE MAPS**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

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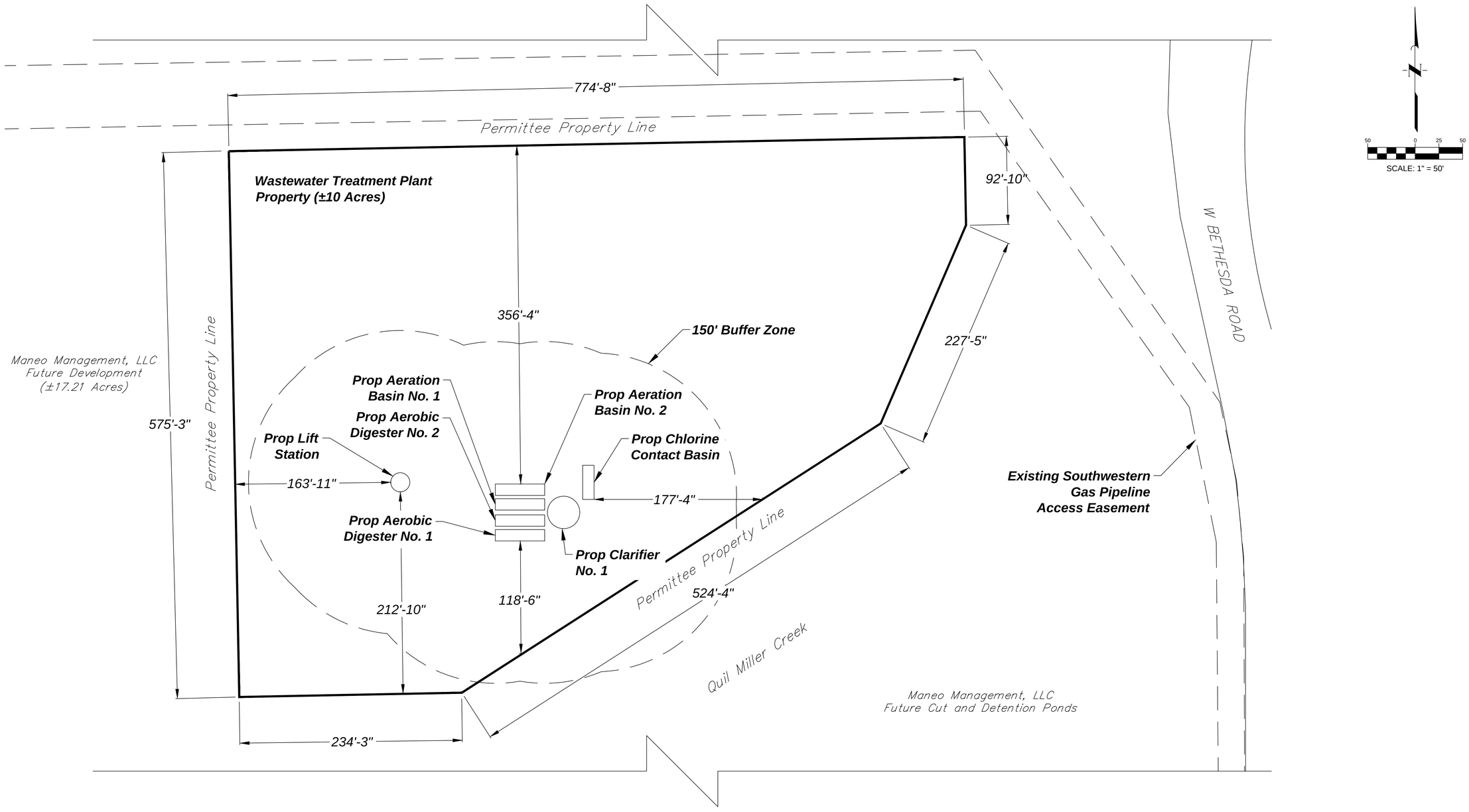


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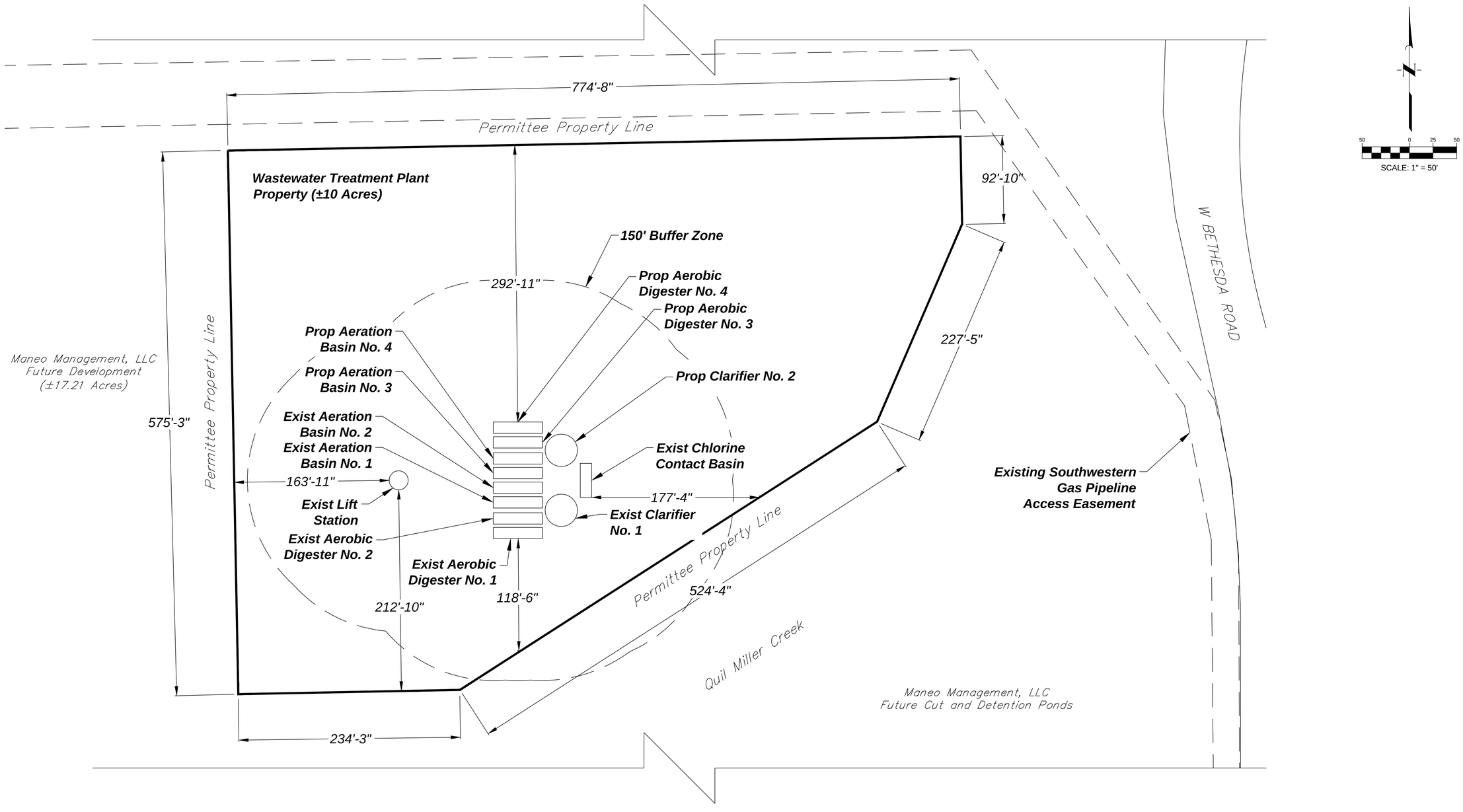
6330 West Loop South, Suite 150 • Bellaire, Texas 77401 • 713.777.5337

# BUFFER ZONE EXHIBIT
# JOHNSON COUNTY MUD NO. 4
# WASTEWATER TREATMENT PLANT
# INTERIM I PHASE - 0.20 MGD
# JOHNSON COUNTY, TEXAS

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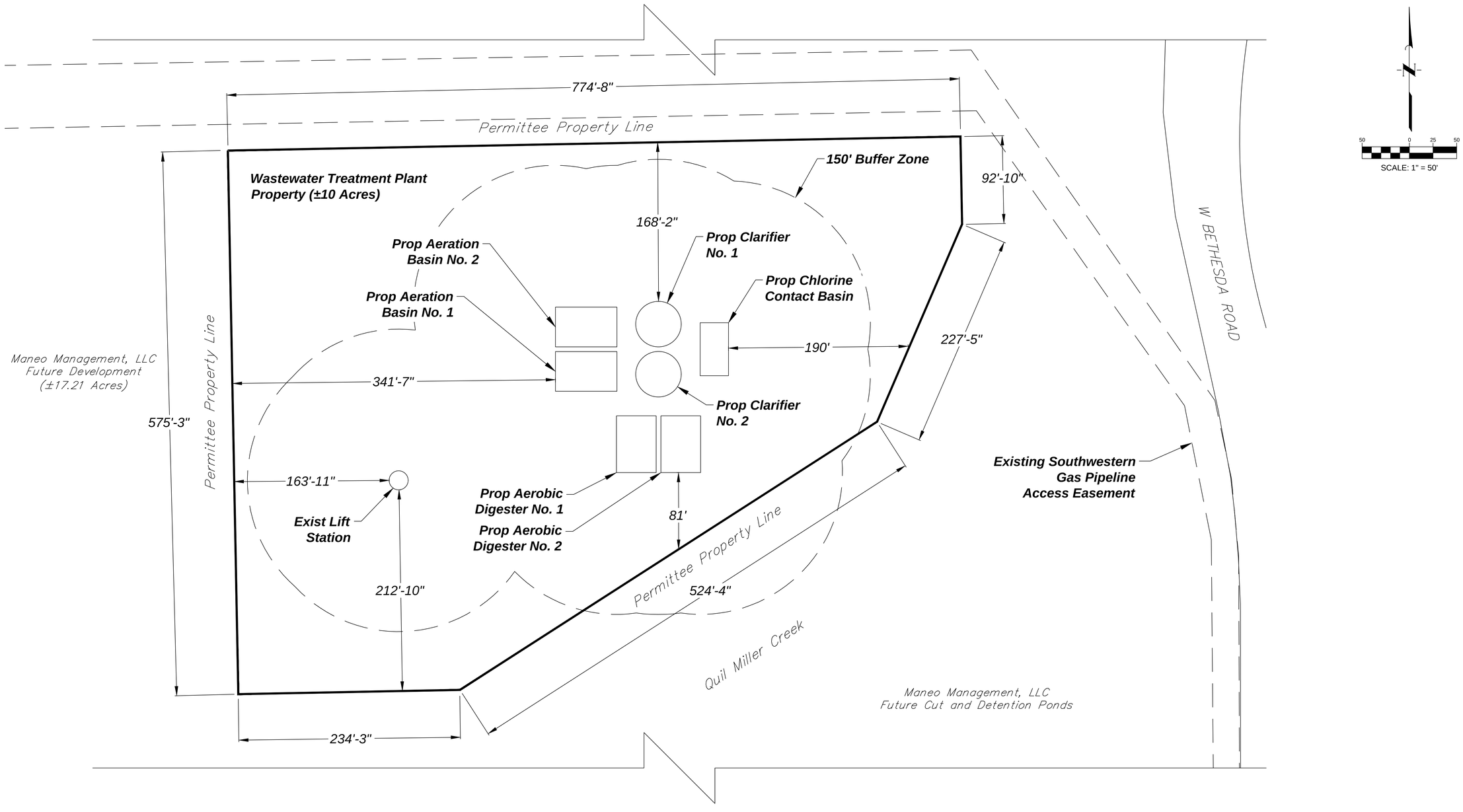
QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, Texas 77401 • 713.777.5337

# BUFFER ZONE EXHIBIT
# JOHNSON COUNTY MUD NO. 4
# WASTEWATER TREATMENT PLANT
# INTERIM II PHASE - 0.40 MGD
# JOHNSON COUNTY, TEXAS




# BUFFER ZONE EXHIBIT
# JOHNSON COUNTY MUD NO. 4
# WASTEWATER TREATMENT PLANT
# FINAL PHASE - 1.0 MGD
# JOHNSON COUNTY, TEXAS

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, Texas 77401 • 713.777.5337

**ATTACHMENT D**

**APPLICATION TECHNICAL REPORT**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

# DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

## Section 1. Affected Landowner Information (Instructions Page 36)

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

- ☒ The applicant's property boundaries
- ☒ The facility site boundaries within the applicant's property boundaries
- ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☐ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

**B.** ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

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

☒ USB Drive ☐ Four sets of labels

**D.** Provide the source of the landowners' names and mailing addresses: Johnson CAD

**E.** As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☒ No

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

| |
|---|
| N/A |

## Section 2. Original Photographs (Instructions Page 38)

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

☒ At least one original photograph of the new or expanded treatment unit location

☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.

☐ At least one photograph of the existing/proposed effluent disposal site

☒ A plot plan or map showing the location and direction of each photograph

## Section 3. Buffer Zone Map (Instructions Page 38)

**A.** Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

**B.** Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

☒ Ownership

☒ Restrictive easement

☐ Nuisance odor control

☐ Variance

**C.** Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

☒ Yes ☐ No

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# 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 43)

**A. Existing/Interim I Phase**

Design Flow (MGD): 0.20

2-Hr Peak Flow (MGD): 0.80

Estimated construction start date: 1/2027

Estimated waste disposal start date: 1/2028

**B. Interim II Phase**

Design Flow (MGD): 0.40

2-Hr Peak Flow (MGD): 1.60

Estimated construction start date: 8/2028

Estimated waste disposal start date: 2/2029

**C. Final Phase**

Design Flow (MGD): 1.0

2-Hr Peak Flow (MGD): 4.0

Estimated construction start date: 11/2029

Estimated waste disposal start date: 5/2031

**D. Current Operating Phase**

Provide the startup date of the facility: Not yet constructed

## Section 2. Treatment Process (Instructions Page 43)

**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.**

| |
|---|
| See Attachment H – Supplemental Technical Report |

**B. Treatment Units**

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

**Table 1.0(1) - Treatment Units**

| Treatment Unit Type | Number of Units | Dimensions (L x W x D) |
|---|---|---|
| See Attachment H | | |

**C. Process Flow Diagram**

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

**Attachment**: Attachment F

## Section 3. Site Information and Drawing (Instructions Page 44)

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

- Latitude: 32.467156
- Longitude: -97.320986

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

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

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

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

**Attachment**: Attachment G

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

The plant will serve Johnson County MUD No. 4

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 |
|---|---|---|---|
| **Johnson County MUD No. 4** | Maneo Ventures | **Privately Owned** | ~7K |

## Section 4. Unbuilt Phases (Instructions Page 45)

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 45)

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 45)

**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: Click to enter text.

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**.

Will be approved prior to construction.

### 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.

Buffer will extend into open space and Quil Miller Creek on the southeast portion of the plant site.

## C. Other actions required by the current permit

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

☐ Yes ☐ No

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

N/A

## D. Grit and grease treatment

### *1. Acceptance of grit and grease waste*

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

☐ Yes ☒ No

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

### *2. Grit and grease processing*

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

N/A

### *3. Grit disposal*

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

☐ Yes ☐ No

**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.

N/A

### *4. Grease and decanted liquid disposal*

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

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

N/A

## E. Stormwater management

### *1. Applicability*

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

### *2. MSGP coverage*

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

☐ Yes ☒ No

**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.

| |
|---|
| N/A |

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

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

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

☐ Yes ☒ No

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

| |
|---|
| N/A |

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

## F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.
Attachment I

## 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 the 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.

N/A

## Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☐ Yes ☒ No

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

**If yes**, provide effluent analysis data for the listed pollutants. ***Wastewater treatment facilities*** complete Table 1.0(2). ***Water treatment facilities*** discharging filter backwash water, complete Table 1.0(3). 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 | N/A | N/A | N/A | N/A | N/A |
| Total Suspended Solids, mg/l | N/A | N/A | N/A | N/A | N/A |
| Ammonia Nitrogen, mg/l | N/A | N/A | N/A | N/A | N/A |
| Nitrate Nitrogen, mg/l | N/A | N/A | N/A | N/A | N/A |
| Total Kjeldahl Nitrogen, mg/l | N/A | N/A | N/A | N/A | N/A |
| Sulfate, mg/l | N/A | N/A | N/A | N/A | N/A |
| Chloride, mg/l | N/A | N/A | N/A | N/A | N/A |
| Total Phosphorus, 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 |
| Dissolved Oxygen*, mg/l | N/A | N/A | N/A | N/A | N/A |
| Chlorine Residual, mg/l | N/A | N/A | N/A | N/A | N/A |
| *E.coli* (CFU/100ml) freshwater | N/A | N/A | N/A | N/A | N/A |
| Entercocci (CFU/100ml) saltwater | 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 |
| Electrical Conductivity, µmohs/cm, † | N/A | N/A | N/A | N/A | N/A |
| Oil & Grease, 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 |

*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 50)

Facility Operator Name: will be selected prior to startup

Facility Operator's License Classification and Level: will be selected prior to startup

Facility Operator's License Number: will be selected prior to startup

## Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

**A. WWTP's 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 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. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all 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 | Off-site Third-Party Handler or Preparer | Bag | | Class B: PSRP Aerobic Digestion | Option 1: Volatile solids reduced by 38% |

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: will be selected prior to startup

TCEQ permit or registration number: will be selected prior to startup

County where disposal site is located: will be selected prior to startup

### E. Transportation method

Method of transportation (truck, train, pipe, other): will be selected prior to startup

Name of the hauler: will be selected prior to startup

Hauler registration number: will be selected prior to startup

Sludge is transported as a:

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

## Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

### A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

### B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

## Section 11. Sewage Sludge Lagoons (Instructions Page 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**: n/a
- USDA Natural Resources Conservation Service Soil Map:

  **Attachment**: n/a
- Federal Emergency Management Map:

  **Attachment**: n/a
- Site map:

  **Attachment**: n/a

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

**Attachment**: n/a

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

| |
|---|
| n/a |

**B. Temporary storage information**

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

Nitrate Nitrogen, mg/kg: n/a

Total Kjeldahl Nitrogen, mg/kg: n/a

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

Phosphorus, mg/kg: n/a

Potassium, mg/kg: n/a

pH, standard units: n/a

Ammonia Nitrogen mg/kg: n/a

Arsenic: n/a

Cadmium: n/a

Chromium: n/a

Copper: n/a

Lead: n/a

Mercury: n/a

Molybdenum: n/a

Nickel: n/a

Selenium: n/a

Zinc: n/a

Total PCBs: n/a

Provide the following information:

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

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

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

**C. Liner information**

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

☐ Yes ☐ No

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

| |
|---|
| n/a |

**D. Site development plan**

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

n/a

Attach the following documents to the application.

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

  **Attachment**: n/a
- Copy of the closure plan

  **Attachment**: n/a
- Copy of deed recordation for the site

  **Attachment**: n/a
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  **Attachment**: n/a
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  **Attachment**: n/a
- Procedures to prevent the occurrence of nuisance conditions

  **Attachment**: n/a

### E. Groundwater monitoring

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

☐ Yes ☐ No

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

**Attachment:** n/a

## Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

### 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

# DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

## Section 1. Justification for Permit (Instructions Page 57)

### A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

| |
|---|
| See Attachment P - Justification |

### B. Regionalization of facilities

For additional guidance, please review TCEQ's Regionalization Policy for Wastewater Treatment[1].

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

#### 1. *Municipally incorporated areas*

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

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

☐ Yes ☒ No ☐ Not Applicable

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

**If yes**, attach correspondence from the city.

**Attachment:** N/A

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

**Attachment:** N/A

#### 2. *Utility CCN areas*

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

☐ Yes ☒ No

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

**Attachment**: N/A

[1] https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater

### *3. Nearby WWTPs or collection systems*

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

☒ Yes ☐ No

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

**Attachment**: Attachment Q

**If yes**, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

**Attachment**: Attachment Q

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

**Attachment:** Attachment Q

## Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☐ Yes ☒ No

**If no**, proceed to Item B, Proposed Organic Loading.

**If yes**, provide organic loading information in Item A, Current Organic Loading

### A. Current organic loading

Facility Design Flow (flow being requested in application): N/A

Average Influent Organic Strength or $BOD_5$ Concentration in mg/l: N/A

Average Influent Loading (lbs/day = total average flow X average $BOD_5$ conc. X 8.34): N/A

Provide the source of the average organic strength or $BOD_5$ concentration.

| |
|---|
| N/A |

### B. Proposed organic loading

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

**Table 1.1(1) – Design Organic Loading**

| Source | Total Average Flow (MGD) | Influent BOD5 Concentration (mg/l) |
|---|---|---|
| Municipality | 1.0 | 350 |
| Subdivision | | |

| Source | Total Average Flow (MGD) | Influent BOD5 Concentration (mg/l) |
|---|---|---|
| Trailer park – transient | | |
| Mobile home park | | |
| School with cafeteria and showers | | |
| School with cafeteria, no showers | | |
| Recreational park, overnight use | | |
| Recreational park, day use | | |
| Office building or factory | | |
| Motel | | |
| Restaurant | | |
| Hospital | | |
| Nursing home | | |
| Other | | |
| TOTAL FLOW from all sources | 1.0 | |
| AVERAGE $BOD_5$ from all sources | | 350 |

## Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

**A. Existing/Interim I Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: 6.0

Other: Click to enter text.

**B. Interim II Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: 6.0

Other: Click to enter text.

**C. Final Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: 6.0

Other: Click to enter text.

**D. Disinfection Method**

Identify the proposed method of disinfection.

☒ Chlorine: 1.0 mg/l after 20 minutes detention time at peak flow

Dechlorination process: sodium bisulfite

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

## Section 4. Design Calculations (Instructions Page 59)

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

**Attachment**: Attachment H

## Section 5. Facility Site (Instructions Page 60)

**A. 100-year floodplain**

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

☒ Yes ☐ No

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

N/A

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

See Attachment R – Floodplain Map

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

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

**B. Wind rose**

Attach a wind rose: Attachment S

## Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

**A. Beneficial use authorization**

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☒ No

**If yes**, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: N/A

**B. Sludge processing authorization**

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

☐ Sludge Composting

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

**If any of the above**, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: N/A

## Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

**Attachment:** Attachment I

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

# DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

## Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed it Section 2. **If yes**, provide the following:

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

**Attachment**: N/A

## Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

**A. Receiving water outfall**

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

**B. Oyster waters**

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

| |
|---|
| N/A |

**C. Sea grasses**

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

☐ Yes ☐ No

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

| |
|---|
| N/A |

## Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☐ Yes ☒ No

**If yes**, this Worksheet is complete.

**If no**, complete Sections 4 and 5 of this Worksheet.

## Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: Quil Miller Creek

### A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click to enter text.

Average depth of the entire water body, in feet: Click to enter text.

Average depth of water body within a 500-foot radius of discharge point, in feet: Click to enter text.

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click to enter text.

### B. Flow characteristics

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

☒ Intermittent - dry for at least one week during most years

☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☐ Personal observation

☐ Other, specify: Click to enter text.

### C. Downstream perennial confluences

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

Village Creek

**D. Downstream characteristics**

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

☐ Yes ☒ No

**If yes**, discuss how.

N/A

**E. Normal dry weather characteristics**

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

Discharge was into a dry creek

Date and time of observation: 6/26/25 @ 10:00

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

## Section 5. General Characteristics of the Waterbody (Instructions Page 66)

**A. Upstream influences**

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

☐ Oil field activities
☐ Urban runoff
☐ Upstream discharges
☒ Agricultural runoff
☐ Septic tanks
☐ Other(s), specify: Click to enter text.

**B. Waterbody uses**

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

☐ Livestock watering
☐ Contact recreation
☐ Irrigation withdrawal
☒ Non-contact recreation
☐ Fishing
☐ Navigation
☐ Domestic water supply
☐ Industrial water supply
☐ Park activities
☐ Other(s), specify: Click to enter text.

**C. Waterbody aesthetics**

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

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

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

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

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

**ATTACHMENT D**

**APPLICATION TECHNICAL REPORT**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

# DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

## Section 1. Affected Landowner Information (Instructions Page 36)

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

- ☒ The applicant's property boundaries
- ☒ The facility site boundaries within the applicant's property boundaries
- ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☐ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

**B.** ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

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

☒ USB Drive ☐ Four sets of labels

**D.** Provide the source of the landowners' names and mailing addresses: Johnson CAD

**E.** As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☒ No

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

| |
|---|
| N/A |

## Section 2. Original Photographs (Instructions Page 38)

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

☒ At least one original photograph of the new or expanded treatment unit location

☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.

☐ At least one photograph of the existing/proposed effluent disposal site

☒ A plot plan or map showing the location and direction of each photograph

## Section 3. Buffer Zone Map (Instructions Page 38)

**A.** Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

**B.** Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

☒ Ownership

☒ Restrictive easement

☐ Nuisance odor control

☐ Variance

**C.** Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

☒ Yes ☐ No

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# 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 43)

**A. Existing/Interim I Phase**

Design Flow (MGD): 0.20

2-Hr Peak Flow (MGD): 0.80

Estimated construction start date: 1/2027

Estimated waste disposal start date: 1/2028

**B. Interim II Phase**

Design Flow (MGD): 0.40

2-Hr Peak Flow (MGD): 1.60

Estimated construction start date: 8/2028

Estimated waste disposal start date: 2/2029

**C. Final Phase**

Design Flow (MGD): 1.0

2-Hr Peak Flow (MGD): 4.0

Estimated construction start date: 11/2029

Estimated waste disposal start date: 5/2031

**D. Current Operating Phase**

Provide the startup date of the facility: Not yet constructed

## Section 2. Treatment Process (Instructions Page 43)

**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.**

| |
|---|
| See Attachment H – Supplemental Technical Report |

**B. Treatment Units**

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

**Table 1.0(1) - Treatment Units**

| Treatment Unit Type | Number of Units | Dimensions (L x W x D) |
|---|---|---|
| See Attachment H | | |

**C. Process Flow Diagram**

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

**Attachment**: Attachment F

## Section 3. Site Information and Drawing (Instructions Page 44)

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

- Latitude: 32.467156
- Longitude: -97.320986

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

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

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

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

**Attachment**: Attachment G

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

The plant will serve Johnson County MUD No. 4

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 |
|---|---|---|---|
| **Johnson County MUD No. 4** | Maneo Ventures | **Privately Owned** | ~7K |

## Section 4. Unbuilt Phases (Instructions Page 45)

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 45)

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 45)

**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: Click to enter text.

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**.

Will be approved prior to construction.

### 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.

Buffer will extend into open space and Quil Miller Creek on the southeast portion of the plant site.

## C. Other actions required by the current permit

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

☐ Yes ☐ No

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

N/A

## D. Grit and grease treatment

### *1. Acceptance of grit and grease waste*

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

☐ Yes ☒ No

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

### *2. Grit and grease processing*

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

N/A

### *3. Grit disposal*

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

☐ Yes ☐ No

**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.

N/A

### *4. Grease and decanted liquid disposal*

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

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

N/A

## E. Stormwater management

### *1. Applicability*

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

### *2. MSGP coverage*

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

☐ Yes ☒ No

**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.

| |
|---|
| N/A |

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

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

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

☐ Yes ☒ No

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

| |
|---|
| N/A |

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

## F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.
Attachment I

## 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 the 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.

N/A

## Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☐ Yes ☒ No

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

**If yes**, provide effluent analysis data for the listed pollutants. ***Wastewater treatment facilities*** complete Table 1.0(2). ***Water treatment facilities*** discharging filter backwash water, complete Table 1.0(3). 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 | N/A | N/A | N/A | N/A | N/A |
| Total Suspended Solids, mg/l | N/A | N/A | N/A | N/A | N/A |
| Ammonia Nitrogen, mg/l | N/A | N/A | N/A | N/A | N/A |
| Nitrate Nitrogen, mg/l | N/A | N/A | N/A | N/A | N/A |
| Total Kjeldahl Nitrogen, mg/l | N/A | N/A | N/A | N/A | N/A |
| Sulfate, mg/l | N/A | N/A | N/A | N/A | N/A |
| Chloride, mg/l | N/A | N/A | N/A | N/A | N/A |
| Total Phosphorus, 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 |
| Dissolved Oxygen*, mg/l | N/A | N/A | N/A | N/A | N/A |
| Chlorine Residual, mg/l | N/A | N/A | N/A | N/A | N/A |
| *E.coli* (CFU/100ml) freshwater | N/A | N/A | N/A | N/A | N/A |
| Entercocci (CFU/100ml) saltwater | 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 |
| Electrical Conductivity, µmohs/cm, † | N/A | N/A | N/A | N/A | N/A |
| Oil & Grease, 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 |

*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 50)

Facility Operator Name: will be selected prior to startup

Facility Operator's License Classification and Level: will be selected prior to startup

Facility Operator's License Number: will be selected prior to startup

## Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

**A. WWTP's 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 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. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all 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 | Off-site Third-Party Handler or Preparer | Bag | | Class B: PSRP Aerobic Digestion | Option 1: Volatile solids reduced by 38% |

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: will be selected prior to startup

TCEQ permit or registration number: will be selected prior to startup

County where disposal site is located: will be selected prior to startup

### E. Transportation method

Method of transportation (truck, train, pipe, other): will be selected prior to startup

Name of the hauler: will be selected prior to startup

Hauler registration number: will be selected prior to startup

Sludge is transported as a:

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

## Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

### A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

### B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

## Section 11. Sewage Sludge Lagoons (Instructions Page 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**: n/a
- USDA Natural Resources Conservation Service Soil Map:

  **Attachment**: n/a
- Federal Emergency Management Map:

  **Attachment**: n/a
- Site map:

  **Attachment**: n/a

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

**Attachment**: n/a

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

| |
|---|
| n/a |

**B. Temporary storage information**

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

Nitrate Nitrogen, mg/kg: n/a

Total Kjeldahl Nitrogen, mg/kg: n/a

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

Phosphorus, mg/kg: n/a

Potassium, mg/kg: n/a

pH, standard units: n/a

Ammonia Nitrogen mg/kg: n/a

Arsenic: n/a

Cadmium: n/a

Chromium: n/a

Copper: n/a

Lead: n/a

Mercury: n/a

Molybdenum: n/a

Nickel: n/a

Selenium: n/a

Zinc: n/a

Total PCBs: n/a

Provide the following information:

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

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

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

**C. Liner information**

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

☐ Yes ☐ No

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

| |
|---|
| n/a |

**D. Site development plan**

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

n/a

Attach the following documents to the application.

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

  **Attachment**: n/a
- Copy of the closure plan

  **Attachment**: n/a
- Copy of deed recordation for the site

  **Attachment**: n/a
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  **Attachment**: n/a
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  **Attachment**: n/a
- Procedures to prevent the occurrence of nuisance conditions

  **Attachment**: n/a

### E. Groundwater monitoring

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

☐ Yes ☐ No

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

**Attachment:** n/a

## Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

### 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

# DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

## Section 1. Justification for Permit (Instructions Page 57)

### A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

| |
|---|
| See Attachment P - Justification |

### B. Regionalization of facilities

For additional guidance, please review TCEQ's Regionalization Policy for Wastewater Treatment[1].

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

#### 1. *Municipally incorporated areas*

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

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

☐ Yes ☒ No ☐ Not Applicable

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

**If yes**, attach correspondence from the city.

**Attachment:** N/A

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

**Attachment:** N/A

#### 2. *Utility CCN areas*

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

☐ Yes ☒ No

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

**Attachment**: N/A

[1] https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater

### *3. Nearby WWTPs or collection systems*

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

☒ Yes ☐ No

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

**Attachment**: Attachment Q

**If yes**, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

**Attachment**: Attachment Q

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

**Attachment:** Attachment Q

## Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☐ Yes ☒ No

**If no**, proceed to Item B, Proposed Organic Loading.

**If yes**, provide organic loading information in Item A, Current Organic Loading

### A. Current organic loading

Facility Design Flow (flow being requested in application): N/A

Average Influent Organic Strength or $BOD_5$ Concentration in mg/l: N/A

Average Influent Loading (lbs/day = total average flow X average $BOD_5$ conc. X 8.34): N/A

Provide the source of the average organic strength or $BOD_5$ concentration.

| |
|---|
| N/A |

### B. Proposed organic loading

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

**Table 1.1(1) – Design Organic Loading**

| Source | Total Average Flow (MGD) | Influent BOD5 Concentration (mg/l) |
|---|---|---|
| Municipality | 1.0 | 350 |
| Subdivision | | |

| Source | Total Average Flow (MGD) | Influent BOD5 Concentration (mg/l) |
|---|---|---|
| Trailer park – transient | | |
| Mobile home park | | |
| School with cafeteria and showers | | |
| School with cafeteria, no showers | | |
| Recreational park, overnight use | | |
| Recreational park, day use | | |
| Office building or factory | | |
| Motel | | |
| Restaurant | | |
| Hospital | | |
| Nursing home | | |
| Other | | |
| TOTAL FLOW from all sources | 1.0 | |
| AVERAGE $BOD_5$ from all sources | | 350 |

## Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

**A. Existing/Interim I Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: 6.0

Other: Click to enter text.

**B. Interim II Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: 6.0

Other: Click to enter text.

**C. Final Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: 6.0

Other: Click to enter text.

**D. Disinfection Method**

Identify the proposed method of disinfection.

☒ Chlorine: 1.0 mg/l after 20 minutes detention time at peak flow

Dechlorination process: sodium bisulfite

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

## Section 4. Design Calculations (Instructions Page 59)

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

**Attachment**: Attachment H

## Section 5. Facility Site (Instructions Page 60)

**A. 100-year floodplain**

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

☒ Yes ☐ No

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

N/A

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

See Attachment R – Floodplain Map

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

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

**B. Wind rose**

Attach a wind rose: Attachment S

## Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

**A. Beneficial use authorization**

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☒ No

**If yes**, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: N/A

**B. Sludge processing authorization**

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

☐ Sludge Composting

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

**If any of the above**, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: N/A

## Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

**Attachment:** Attachment I

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

# DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

## Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed it Section 2. **If yes**, provide the following:

Owner of the drinking water supply: N/A

Distance and direction to the intake: N/A

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

**Attachment**: N/A

## Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

**A. Receiving water outfall**

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

**B. Oyster waters**

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

| |
|---|
| N/A |

**C. Sea grasses**

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

☐ Yes ☐ No

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

| |
|---|
| N/A |

## Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☐ Yes ☒ No

**If yes**, this Worksheet is complete.

**If no**, complete Sections 4 and 5 of this Worksheet.

## Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: Quil Miller Creek

### A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click to enter text.

Average depth of the entire water body, in feet: Click to enter text.

Average depth of water body within a 500-foot radius of discharge point, in feet: Click to enter text.

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click to enter text.

### B. Flow characteristics

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

☒ Intermittent - dry for at least one week during most years

☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☐ Personal observation

☐ Other, specify: Click to enter text.

### C. Downstream perennial confluences

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

Village Creek

**D. Downstream characteristics**

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

☐ Yes ☒ No

**If yes**, discuss how.

N/A

**E. Normal dry weather characteristics**

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

Discharge was into a dry creek

Date and time of observation: 6/26/25 @ 10:00

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

## Section 5. General Characteristics of the Waterbody (Instructions Page 66)

**A. Upstream influences**

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

☐ Oil field activities
☐ Urban runoff
☐ Upstream discharges
☒ Agricultural runoff
☐ Septic tanks
☐ Other(s), specify: Click to enter text.

**B. Waterbody uses**

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

☐ Livestock watering
☐ Contact recreation
☐ Irrigation withdrawal
☒ Non-contact recreation
☐ Fishing
☐ Navigation
☐ Domestic water supply
☐ Industrial water supply
☐ Park activities
☐ Other(s), specify: Click to enter text.

**C. Waterbody aesthetics**

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

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

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

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

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

**ATTACHMENT H**

**SUPPLEMENTAL TECHNICAL REPORT**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

**SUPPLEMENTAL TECHNICAL REPORT**

**FOR THE WASTEWATER TREATMENT PLANT**

**DOMESTIC WASTEWATER PERMIT**

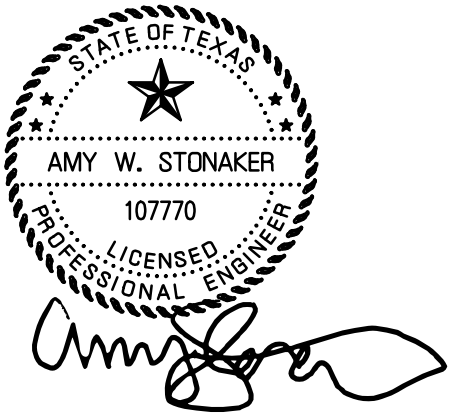
**FOR**

**JOHNSON COUNTY MUNICIPAL UTILITY DISTRICT NO. 4**

**WASTEWATER TREATMENT PLANT**

**IN**

**JOHNSON COUNTY, TEXAS**




7/16/2025

**JULY 2025**

**Quiddity Job No. 29205-0002-01**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Reg. No. F-33290
6330 West Loop South, Suite 150 ● Bellaire, TX 77401 ● 713.777.5337

## I. INTRODUCTION

The purpose of this report is to provide additional information pertaining to items in the Domestic Administrative Report and the Domestic Technical Report for the permit application to the Johnson County Municipal Utility District No. 4 Wastewater Treatment Facility in Johnson County, Texas. The proposed facility will be constructed to treat 1.0 million gallons per day (MGD) with interim phases of 0.2 MGD and 0.4 MGD.

## II. LOCATION INFORMATION

The proposed facility will be located approximately 0.5 miles northwest of the intersection of Conveyor Drive and West Bethesda Road, in Johnson County, Texas 76028.

The Johnson County Municipal Utility District No. 4 Wastewater Treatment Facility will be discharged to Quil Miller Creek, thence to Village Creek, thence to Lake Arlington in Segment No. 0828 of the Trinity River Basin.

## III. TREATMENT UNITS

The proposed facility will be constructed with a design flow of 0.2 MGD. A detailed description of the treatment process is presented below:

The proposed Interim Phase I WWTP will consist of package plant facilities that are designed and constructed to treat 0.20 MGD and operate as a suspended growth activated sludge process in a single-stage nitrification mode. An influent force main flows from the on-site lift station to the headworks passing through a manual bar screen. The influent then mixes with return activated sludge to create mixed liquor and flows through two (2) aeration basins operated in the single-stage nitrification mode to consume organics and breakdown ammonia. From the aeration basins, the mixed liquor flows to one (1) secondary clarifier for clarification. After clarification, the treated effluent flows to the chlorine contact basin for disinfection. The effluent then flows over a weir for flow measurement and into the receiving stream. Additional facilities include blowers, a non-potable water system, a sodium hypochlorite disinfection system, and a stand-by generator. The WAS is pumped to two (2) aerobic digesters and is then wet hauled to another facility for further processing.

The proposed Interim Phase II WWTP will consist of package plant facilities that are designed and constructed to treat 0.40 MGD and operate as a suspended growth activated sludge process in a single-stage nitrification mode. This phase includes two (2) existing aeration basins, one (1) existing clarifier, two (2) existing multi-stage aerobic digesters, one (1) existing chlorine contact basin, three (3) existing centrifugal blowers, and an existing non-potable water system. Interim II Phase construction will include one (1) proposed elevated screening structure with manual bar screen and flow splitting weirs, two (2) aeration basins, one (1) clarifier, two (2) multi-stage aerobic digesters, three (3) centrifugal blowers, a non-potable water system, and sodium hypochlorite disinfection system modifications.

The proposed Final Phase WWTP will consist of permanent plant facilities that are designed and constructed to treat 1.00 MGD and operate as a suspended growth activated sludge process in a single-stage nitrification mode. Final Phase construction includes one (1) elevated headworks with mechanical bar screen and flow splitting weirs, two (2) aeration basins, two (2) secondary clarifiers, two (2) multi-stage aerobic digesters, one (1) chlorine contact basin, four (4) centrifugal blowers, a non-potable water system, a sodium hypochlorite disinfection system, and a sodium bisulfite dechlorination system.

## IV. DESIGN CALCULATIONS AND FEATURES

Design calculations are provided as part of this report on the following pages for all phases of construction.

The proposed facilities will be equipped with design features to prevent overflows or bypassing of untreated wastewater. A backup diesel generator will be installed onsite with an automatic transfer switch to provide power to essential equipment in the event of a main power failure. The entire facility will have an automatic telephone dialer that notifies the operator of pump failures, main power failures and high basin levels. The onsite lift station will maintain a redundant pump to protect against overflows in the event of a pump failure.

**INTERIM I PHASE – 0.20 MGD**

## I. SCOPE

The proposed Interim I Phase plant will consist of facilities that are designed and constructed to treat 0.20 MGD and operate as suspended growth activated sludge process in a single-stage nitrification mode. Construction includes one (1) lift station, one (1) manual bar screen, two (2) aeration basins, one (1) clarifier, two (2) multi-stage aerobic digesters, one (1) chlorine contact basin, three (3) centrifugal blowers, a non-potable water system, a sodium hypochlorite disinfection system, and a stand-by generator sized to serve critical loads.

## II. PROPOSED WASTEWATER TREATMENT PLANT DESIGN

### A. DESIGN CRITERIA

1. Proposed Effluent Limits.

   a. $BOD_5$ = 10 mg/l (daily average)

   b. TSS = 15 mg/l (daily average)

   c. $NH_3$-N = 3 mg/l (daily average)

2. Process Criteria. The process criteria are taken from 30 TAC § 217, Design Criteria for Domestic Wastewater Systems.

   a. Maximum Aeration Basin Organic Loading ($lb\ BOD_5/day/1{,}000\ ft^3$) = 35

   b. Maximum Clarifier Surface Loading at Peak Flow ($gal/day/ft^2$) = 1,200

   c. Minimum Clarifier Detention Time (hours) = 1.8

   d. Maximum Clarifier Weir Loading at Peak Flow (gal/day/ft) = 20,000

   e. Minimum Chlorine Contact Detention Time at Peak Flow (minutes) = 20

   f. Mean Cell Residence Time in Aerobic Digester* (days) = 28*

   g. Minimum Air Required for Digester ($scfm/1{,}000\ ft^3$) = 20

*28-day SRT utilized instead of a 40-day SRT for use of a multi-stage digester per EPA publication "Control of Pathogens and Vector Attraction in Sewage Sludge."

## B. PROPOSED TREATMENT FACILITIES

1. Flow.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| a. | Average (Design) | = | 0.2Q | = | 200,000 gpd | = | 139 gpm |
| b. | Peak (2 Hour) | = | 0.8Q | = | 800,000 gpd | = | 556 gpm |

2. Influent Composition.

The following influent wastewater compositions are based on wastewater influent analysis.

| | | |
|---|---|---|
| $BOD_5$ | = | 250 mg/L |
| TSS | = | 250 mg/L |
| $NH_3$-N | = | 40 mg/L |

3. Organic Loadings.

| | | | | |
|---|---|---|---|---|
| $BOD_5$ | = | (0.20 MGD)(8.34)(250 mg/L) | = | 417 lbs $BOD_5$/day |
| TSS | = | (0.20 MGD)(8.34)(250 mg/L) | = | 417 lbs TSS/day |
| $NH_3$-N | = | (0.20 MGD)(8.34)(40 mg/L) | = | 67 lbs $NH_3$-N/day |

4. Process Equipment.

a. Headworks Screening. The proposed Interim I Phase plant will consist of the construction of a headworks with a manual bar screen capable of screening a peak flow of 0.8 MGD.

b. Aeration Basins. The proposed Interim I Phase WWTP will consist of (2) aeration basins, sized at 12' wide by 52' long. The average water depth is assumed to be 11.5'.

i. Total Required Volume

Required Volume Using Traditional Design Method (30 TAC §217 Guidelines)
(0.20 MGD)(8.34)(250 mg/L)/(35 lb $BOD_5$/1,000 $ft^3$)
= 11,914 $ft^3$

ii. Proposed Volume – Interim I Phase
(2)(12 ft)(52 ft)(11.5 ft) = 14,352 $ft^3$

iii. Actual Organic Loading
(417 lb $BOD_5$/day)/(14,352 $ft^3$/1,000 $ft^3$) = 29.1 b $BOD_5$/ day/1,000 $ft^3$

c. Secondary Clarifier. The proposed Interim I Phase plant will consist of one (1) 34' diameter clarifier with a side water depth of 10'.

i. Required Surface Area at Peak Flow
(800,000 gpd)/(1,200 gpd/ $ft^2$) = 667 $ft^2$

ii. Proposed Surface Area
($\pi$/4)(34 ft)$^2$ = 908 $ft^2$

iii. Surface Loading

1. At Design Flow
(200,000 gpd)/(908 $ft^2$) = 220 gpd/$ft^2$

2. At Peak Flow
(800,000 gpd)/(908 $ft^2$) = 881 gpd/$ft^2$

iv. Proposed Clarifier Weir Length
(Includes Launder Allowance)
($\pi$)(34 ft – 2 ft) = 101 ft

v. Proposed Weir Loading at Peak Flow
(800,000 gpd)/(101 ft) = 7,921 gpd/ft

vi. Proposed Clarifier Side Water Depth (to top of grout)

1. Proposed Clarifier Side Water Depth = 10 ft

vii. Hydraulic Detention Times at Peak Flow

1. Proposed Hydraulic Detention Time at Peak Flow
(908 $ft^2$)(10 ft)(7.48 gal/ $ft^3$)/(556 gal/min)
= 122 minutes
= 2.04 hours

d. Aerobic Digesters. The proposed Interim I Phase WWTP will consist of two (2) multi-stage aerobic digesters sized at 12' wide by 52' long. The average water depth is assumed to be 11.5'.

Assume one (1) pound of solids produced per pound of $BOD_5$ applied; solids are 70% volatile organics; 30% of the volatiles are destroyed during digestion; 15,000 mg/l MLSS concentration in the digester on average.

i. Digester Sizing

1. Solids Production
(417 lb $BOD_5$ /day)(1 lb solids/1 lb $BOD_5$) = 417 lb solids/day

2. Digested Solids Production
(417 lb solid/day)(1-(0.3)(0.7)) = 329 lb solids/day

3. Average Solids in Digester
(329 lb solids/day + 417 lb solids/day)/2 = 373 lb solids/day

4. Total Solids in Digester for 28-day SRT*
(373 lb solids/day)(28 days) = 10,444 lb solids

ii. Required Volume
(10,444 lb solids)($10^6$)/((8.34)(15,000 mg/l MLSS in digester)(7.48))
= 11,162 $ft^3$

iii. Proposed Volume – Interim I Phase
(2)(12 ft)(52 ft)(11.5 ft) = 14,352 $ft^3$

*28-day SRT utilized instead of 40-day SRT for use of a multi-stage digester per EPA publication "Control of Pathogens and Vector Attraction in Sewage Sludge."

e. Chlorine Contact Basin. The proposed Interim I Phase plant will consist of one (1) proposed chlorine contact basin sized at 12' wide by 36' long to accommodate the Interim II Phase. The maximum water depth is assumed to be 9'.

i. Required Volume at Peak Flow
(556 gpm)(20 min)/(7.48) = 1,487 $ft^3$

ii. Proposed Volume – Interim I Phase
(9 ft)(12 ft)(36 ft) = 3,888 $ft^3$

iii. Actual Detention Time at Peak Flow
(3,888 $ft^3$)(7.48)/(556 gpm) = 52.3 minutes

f. Air Requirements.

i. The proposed Interim I Phase plant will utilize coarse bubble aeration.

1. Air Required for Treatment

$$\frac{(1.2)(250\ mg/l\ BOD_5) + (4.3)(40\ mg/l\ NH_3\text{-}N)}{(250\ mg/l\ BOD_5)} = 1.9\ lb\ O_2/lb\ BOD_5$$

* 2.2 lb $O_2$/lb $BOD_5$ used instead per TCEQ minimum oxygen requirement for systems intended to nitrify.

2. Coarse Bubble Requirements

$$\frac{(250\ mg/l\ BOD_5)(8.34)(0.20\ MGD)(2.2\ lb\ O_2/\ lb\ BOD_5)(1.42)^{**}}{(0.0507^{*})(0.23)(0.075)(1440)} = 1{,}034\ scfm$$

* TCEQ Wastewater Oxygen Transfer Efficiency for Coarse Bubble aeration (0.65%/ft x (12) ft x 0.65 of submergence)
** TCEQ Chapter 217 Table F.5 Submergence Correction Factor

ii. Aerobic Digester
(14,352 $ft^3$)(20 scfm/1000 $ft^3$) = 287 scfm

iii. Chlorine Contact Basin
(3,888 $ft^3$)(20 scfm/1000 $ft^3$) = 78 scfm

iv. Miscellaneous Air Lifts
(4)(20 scfm) = 80 scfm

v. Total Air Requirements (Coarse Bubble)
1,034 scfm + 287 scfm + 78 scfm + 80 scfm = 1,479 scfm

g. Blower Capacities. The proposed Interim I Phase plant will include three (3) proposed centrifugal blowers. The capacity is calculated at 5.5 psig discharge pressure at 100°F, 80% RH, and 14.64 psia inlet conditions.

i. Proposed Blower Capacity – Phase I
(3)(900 scfm) = 2,700 scfm

ii. Firm Blower Capacity with Largest Unit out of Service
(2)(900 scfm) = 1,800 scfm

h. Bleach Equipment.

i. Dosage Capacity – Calculations are for 10% trade strength bleach (NaOCl) with a specific gravity of 1.159, 9% available chlorine by weight, and a density of 9.7 pounds per gallon.

1. Chlorine Dosage Rate = 8 mg/l

2. NaOCl Solution Feed Rate at Average Daily Flow
$\frac{(8\ mg/l)(8.34)(0.2\ MGD)}{((9\%)/1.159)(9.7\ lbs/gal)}$ = 18 gal/day

3. NaOCl Solution Feed Rate at Peak Daily Flow
$\frac{(8\ mg/l)(8.34)(0.8\ MGD)}{((9\%)/1.159)(9.7\ lbs/gal)}$ = 71 gal/day

ii. Maximum Bleach Storage
(Covered Storage)
(15 days)(18 gal/day) = 270 gal

iii. Proposed Bleach Storage
(1)(250 gal) = 250 gal

One (1) 250-gallon bulk storage tank will be provided.

## INTERIM II PHASE – 0.40 MGD

### I. SCOPE

The proposed Interim II Phase WWTP will consist of facilities that are designed and constructed to treat 0.40 MGD and operate as a suspended growth activated sludge process in a single-stage nitrification mode. This includes two (2) existing and two (2) proposed aeration basins, one (1) existing and one (1) proposed clarifier, two (2) existing and two (2) proposed multi-stage aerobic digesters, one (1) existing chlorine contact basin, three (3) existing and three (3) proposed centrifugal blowers, an existing non-potable water system, and modifications to the existing chlorine disinfection system.

### II. PROPOSED WASTEWATER TREATMENT PLANT DESIGN

#### A. DESIGN CRITERIA

1. Proposed Effluent Limits.

   a. $BOD_5$ = 10 mg/l (daily average)

   b. TSS = 15 mg/l (daily average)

   c. $NH_3$-N = 3 mg/l (daily average)

2. Process Criteria. The process criteria are taken from 30 TAC § 217, Design Criteria for Domestic Wastewater Systems.

   a. Maximum Aeration Basin Organic Loading ($lb\ BOD_5/day/1{,}000\ ft^3$) = 35

   b. Maximum Clarifier Surface Loading at Peak Flow ($gal/day/ft^2$) = 1,200

   c. Minimum Clarifier Detention Time (hours) = 1.8

   d. Maximum Clarifier Weir Loading at Peak Flow (gal/day/ft) = 20,000

   e. Minimum Chlorine Contact Detention Time at Peak Flow (minutes) = 20

   f. Mean Cell Residence Time in Aerobic Digester* (days) = 28*

   g. Minimum Air Required for Digester ($scfm/1{,}000\ ft^3$) = 20

*28-day SRT utilized instead of a 40-day SRT for use of a multi-stage digester per EPA publication "Control of Pathogens and Vector Attraction in Sewage Sludge."

## B. PROPOSED TREATMENT FACILITIES

1. Flow.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| a. | Average (Design) | = | 0.4Q | = | 400,000 gpd | = | 278 gpm |
| b. | Peak (2 hour) | = | 1.6Q | = | 1,600,000 gpd | = | 1,111 gpm |

2. Influent Composition.

The following influent wastewater compositions are based on wastewater influent analysis.

| | | |
|---|---|---|
| $BOD_5$ | = | 250 mg/L |
| TSS | = | 250 mg/L |
| $NH_3$-N | = | 40 mg/L |

3. Organic Loadings.

| | | | | |
|---|---|---|---|---|
| $BOD_5$ | = | (0.40 MGD)(8.34)(250 mg/L) | = | 834 lbs $BOD_5$/day |
| TSS | = | (0.40 MGD)(8.34)(250 mg/L) | = | 834 lbs TSS/day |
| $NH_3$-N | = | (0.40 MGD)(8.34)(40 mg/L) | = | 133 lbs $NH_3$-N/day |

4. Process Equipment.

a. Headworks Screening. The proposed Interim II Phase plant will consist of the construction of a headworks with a manual bar screen capable of screening a peak flow of 1.6 MGD.

b. Aeration Basins. The proposed Interim II Phase plant will consist of two (2) existing aeration basins and two (2) proposed aeration basins, sized at 12' wide by 52' long. The average water depth is assumed to be 11.5 feet.

i. Total Required Volume

Required Volume Using Traditional Design Method (30 TAC §217 Guidelines)
(0.40 MGD)(8.34)(250 mg/L)/(35 lb $BOD_5$/1,000 $ft^3$) = 23,829 $ft^3$

ii. Proposed Volume

1. Existing Volume – Interim I Phase
(2)(12 ft)(52 ft)(11.5 ft) = 14,352 $ft^3$

2. Proposed Volume – Interim II Phase
(2)(12 ft)(52 ft)(11.5 ft) = 14,352 $ft^3$

3. Total Volume = 28,704 $ft^3$

iii. Actual Organic Loading
(834 lb $BOD_5$/day)/( 28,704 $ft^3$/1,000 $ft^3$) = 29.1 lb $BOD_5$/ day/1,000 $ft^3$

c. Secondary Clarifiers. The proposed Interim II Phase plant will consist of one (1) existing clarifier and one (1) proposed clarifier, each sized at 34' diameter. The side water depth in both clarifiers is 10'.

i. Required Surface Area at Peak Flow
(1,600,000 gpd)/(1,200 gpd/ $ft^2$) = 1,333 $ft^2$

ii. Proposed Surface Area

1. Existing Surface Area – Interim I Phase
($\pi$/4)(34 ft)$^2$ = 908 $ft^2$

2. Proposed Surface Area – Interim II Phase
($\pi$/4)(34 ft)$^2$ = 908 $ft^2$

3. Total Surface Area = 1,816 $ft^3$

iii. Surface Loading

1. At Design Flow
(400,000 gpd)/(1,816 $ft^2$) = 220 gpd/$ft^2$

2. At Peak Flow
(1,600,000 gpd)/(1,816 $ft^2$) = 881 gpd/$ft^2$

iv. Proposed Clarifier Weir Length

1. Existing – Interim I Phase
($\pi$)(34 ft – 2 ft) = 101 ft

2. Proposed – Interim II Phase
($\pi$)(34 ft – 2 ft) = 101 ft

3. Total = 202 ft

v. Proposed Weir Loading at Peak Flow
(1,600,000 gpd)/(202 ft) = 7,921 gpd/ft

vi. Proposed Clarifier Side Water Depth (to top of grout)

1. Existing Clarifier Side Water Depth = 10 ft

2. Proposed Clarifier Side Water Depth = 10 ft

vii. Hydraulic Detention Times at Peak Flow

1. Proposed Hydraulic Detention Time at Peak Flow – Interim II Phase
$(1{,}816\ ft^2)(10\ ft)(7.48\ gal/\ ft^3)/(1{,}111\ gal/min)$
= 122 minutes
= 2.04 hours

d. Aerobic Digesters. The proposed Interim II Phase plant will consist of two (2) existing multi-stage aerobic digesters and two (2) proposed multi-stage digesters sized at 12' wide by 52' long. The average water depth in all digesters is assumed at 11.5'.

Assume one (1) pound of solids produced per pound of $BOD_5$ applied; solids are 70% volatile organics; 30% of the volatiles are destroyed during digestion; 15,000 mg/l MLSS concentration in the digester on average.

i. Digester Sizing

1. Solids Production
$(834\ lb\ BOD_5\ /day)(1\ lb\ solids/1\ lb\ BOD_5)$ = 834 lb solids/day

2. Digested Solids Production
$(834\ lb\ solid/day)(1-(0.3)(0.7))$ = 659 lb solids/day

3. Average Solids in Digester
(659 lb solids/day + 834 lb solids/day)/2 = 746 lb solids/day

4. Total Solids in Digester for 28-day SRT*
(746 lb solids/day)(28 days) = 20,888 lb solids

ii. Required Volume
$(20{,}888\ lb\ solids)(10^6)/((8.34)(15{,}000\ mg/l\ MLSS\ in\ digester)(7.48))$
= 22,322 $ft^3$

iii. Proposed Volume

1. Existing Volume – Interim I Phase
(2)(12 ft)(52 ft)(11.5 ft) = 14,352 $ft^3$

2. Proposed Volume – Interim II Phase
(2)(12 ft)(52 ft)(11.5 ft) = 14,352 $ft^3$

3. Total Volume = 28,704 $ft^3$

*28-day SRT utilized instead of 40-day SRT for use of a multi-stage digester per EPA publication "Control of Pathogens and Vector Attraction in Sewage Sludge."

e. Chlorine Contact Basin. The proposed plant will consist of one (1) existing chlorine contact basin sized at 12' wide by 36' long in the Interim I Phase. The maximum water depth in both chlorine contact basins is assumed to be 9 ft.

i. Required Volume at Peak Flow
(1,111 gpm)(20 min)/(7.48) = 2,971 $ft^3$

ii. Existing Volume
(9 ft)(12 ft)(36 ft) = 3,888 $ft^3$

iii. Actual Detention Time at Peak Flow
(3,888 $ft^3$)(7.48)/(1,111 gpm) = 26.2 minutes

f. Air Requirements.

i. The proposed Interim II Phase plant will utilize coarse bubble aeration.

1. Air Required for Treatment

$$\frac{(1.2)(250\ mg/l\ BOD_5) + (4.3)(40\ mg/l\ NH_3\text{-}N)}{(250\ mg/l\ BOD_5)} = 1.9\ lb\ O_2/lb\ BOD_5$$

* 2.2 lb $O_2$/lb $BOD_5$ used instead per TCEQ minimum oxygen requirement for systems intended to nitrify.

2. Coarse Bubble Requirements

$$\frac{(250\ mg/l\ BOD_5)(8.34)(0.40\ MGD)(2.2\ lb\ O_2/\ lb\ BOD_5)(1.42)^{**}}{(0.0507^{*})(0.23)(0.075)(1440)} = 2,069\ scfm$$

* TCEQ Wastewater Oxygen Transfer Efficiency for Coarse Bubble aeration (0.65%/ft x (12) ft x 0.65 of submergence)
** TCEQ Chapter 217 Table F.5 Submergence Correction Factor

ii. Aerobic Digester
(28,704 $ft^3$)(20 scfm/1000 $ft^3$) = 574 scfm

iii. Chlorine Contact Basin
(3,888 $ft^3$)(20 scfm/1000 $ft^3$) = 78 scfm

iv. Miscellaneous Air Lifts
(6)(20 scfm) = 120 scfm

v. Total Air Requirements (Coarse Bubble)
2,069 scfm + 574 scfm + 78 scfm + 120 scfm = 2,841 scfm

g. Blower Capacities. The proposed Interim II Phase plant will include three (3) existing centrifugal blowers and three (3) proposed centrifugal blowers. The capacity is calculated at 5.5 psig discharge pressure at 100°F, 80% RH, and 14.64 psia inlet conditions.

i. Existing Blower Capacity – Interim I Phase
(3)(900 scfm) = 2,700 scfm

ii. Proposed Blower Capacity – Interim II Phase
(3)(900 scfm) = 2,700 scfm

iii. Total Blower Capacity = 5,400 scfm

iv. Firm Blower Capacity with Largest Unit out of Service
(5)(900) = 4,500 scfm

h. Bleach Equipment.

i. Dosage Capacity – Calculations are for 10% trade strength bleach (NaOCl) with a specific gravity of 1.159, 9% available chlorine by weight, and a density of 9.7 pounds per gallon.

1. Chlorine Dosage Rate = 8 mg/l

2. NaOCl Solution Feed Rate at Average Daily Flow
$$\frac{(8\ mg/l)(8.34)(0.4\ MGD)}{((9\%)/1.159)(9.7\ lbs/gal)} = 35\ gal/day$$

3. NaOCl Solution Feed Rate at Peak Daily Flow
$$\frac{(8\ mg/l)(8.34)(1.6\ MGD)}{((9\%)/1.159)(9.7\ lbs/gal)} = 142\ gal/day$$

ii. Maximum Bleach Storage
(Covered Storage)
(15 days)(35 gal/day) = 525 gal

iii. Proposed Bleach Storage
(2)(250 gal) = 500 gal

Two (2) 250-gallon bulk storage tanks will be provided.

**FINAL PHASE – 1.0 MGD**

## I. SCOPE

The proposed Final Phase WWTP will consist of facilities that are designed and constructed to treat 1.0 MGD and operate as suspended growth activated sludge process in a single-stage nitrification mode. Final Phase construction includes one (1) elevated headworks with mechanical bar screen and flow splitting weirs, two (2) aeration basins, two (2) secondary clarifiers, two (2) multi-stage aerobic digesters, one (1) chlorine contact basin, four (4) centrifugal blowers, a non-potable water system, a sodium hypochlorite disinfection system, and a sodium bisulfite dechlorination system.

## II. PROPOSED WASTEWATER TREATMENT PLANT DESIGN

### A. DESIGN CRITERIA

1. Proposed Effluent Limits.

   a. $BOD_5$ = 10 mg/l (daily average)

   b. TSS = 15 mg/l (daily average)

   c. $NH_3$-N = 3 mg/l (daily average)

2. Process Criteria. The process criteria are taken from 30 TAC §217, Design Criteria for Domestic Wastewater Systems.

   a. Maximum Aeration Basin Organic Loading ($lb\ BOD_5/day/1{,}000\ ft^3$) = 35

   b. Maximum Clarifier Surface Loading at Peak Flow ($gal/day/ft^2$) = 1,200

   c. Minimum Clarifier Detention Time (hours) = 1.8

   d. Maximum Clarifier Weir Loading at Peak Flow (gal/day/ft) = 20,000

   e. Minimum Chlorine Contact Detention Time at Peak Flow (minutes) = 20

   f. Mean Cell Residence Time in Aerobic Digester* (days) = 28*

   g. Minimum Air Required for Digester ($scfm/1{,}000\ ft^3$) = 20

*28-day SRT utilized instead of a 40-day SRT for use of a multi-stage digester per EPA publication "Control of Pathogens and Vector Attraction in Sewage Sludge."

## B. PROPOSED TREATMENT FACILITIES

1. Flow.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| a. | Average (Design) | = | 1.0Q | = | 1,000,000 gpd | = | 694 gpm |
| b. | Peak (2 hour) | = | 4.0Q | = | 4,000,000 gpd | = | 2,778 gpm |

2. Influent Composition.

The following influent wastewater compositions are based on wastewater influent analysis.

| | | |
|---|---|---|
| $BOD_5$ | = | 350 mg/L |
| TSS | = | 300 mg/L |
| $NH_3$-N | = | 60 mg/L |

3. Organic Loadings.

| | | | | |
|---|---|---|---|---|
| $BOD_5$ | = | (1.0 MGD)(8.34)(350 mg/L) | = | 2,919 lbs $BOD_5$/day |
| TSS | = | (1.0 MGD)(8.34)(300 mg/L) | = | 2,502 lbs TSS/day |
| $NH_3$-N | = | (1.0 MGD)(8.34)(60 mg/L) | = | 500 lbs $NH_3$-N/day |

4. Process Equipment.

a. Elevated Headworks Screening. The proposed Final Phase WWTP will consist of the construction of an elevated headworks with a mechanical bar screen and flow splitting structure capable of screening a peak flow of 4.0 MGD.

b. Aeration Basins. The proposed Final Phase WWTP will consist of two (2) proposed aeration basins, sized at 42' wide by 65' long. The average water depth is assumed to be 16'.

i. Total Required Volume

Required Volume Using Traditional Design Method (30 TAC §217 Guidelines)
(1.0 MGD)(8.34)(350 mg/L)/(35 lb $BOD_5$/1,000 $ft^3$) = 83,400 $ft^3$

ii. Proposed Volume
(2)(42 ft)(65 ft)(16 ft) = 87,360 $ft^3$

iii. Actual Organic Loading
(2,919 lb $BOD_5$/day)/(87,360 $ft^3$/1,000 $ft^3$) = 33.4 lb $BOD_5$/ day/1,000 $ft^3$

c. Secondary Clarifier. The proposed Final Phase WWTP will consist of two (2) proposed 48' diameter clarifiers with a side water depth of 14.5'.

i. Required Surface Area at Peak Flow
(4,000,000 gpd)/(1,200 gpd/ $ft^2$) = 3,333 $ft^2$

ii. Proposed Surface Area
(2)($\pi$/4)(48 ft)$^2$ = 3,619 $ft^2$

iii. Surface Loading

1. At Design Flow
(1,000,000 gpd)/(3,619 $ft^2$) = 276 gpd/$ft^2$

2. At Peak Flow
(4,000,000 gpd)/(3,619 $ft^2$) = 1,105 gpd/$ft^2$

iv. Proposed Clarifier Weir Length
(Includes Launder Allowance)
(2)($\pi$)(48 ft – 2 ft) = 289 ft

v. Proposed Weir Loading at Peak Flow
(4,000,000 gpd)/(289 ft) = 13,840 gpd/ft

vi. Proposed Clarifier Side Water Depth (to top of grout)

1. Proposed Clarifier Side Water Depth = 14.5 ft

vii. Hydraulic Detention Times at Peak Flow

1. Proposed Hydraulic Detention Time at Peak Flow
(3,619 $ft^2$)(14.5 ft)(7.48 gal/ $ft^3$)/(2,778 gal/min)
= 141 minutes
= 2.35 hours

d. Aerobic Digesters. The proposed Final Phase WWTP will consist of two (2) multi-stage aerobic digesters sized at 42' wide by 60' long. The average water depth is assumed to be 16'.

Assume one (1) pound of solids produced per pound of $BOD_5$ applied; solids are 70% volatile organics; 30% of the volatiles are destroyed during digestion; 15,000 mg/l MLSS concentration in the digester on average.

i. Digester Sizing

1. Solids Production
(2,919 lb $BOD_5$ /day)(1 lb solids/1 lb $BOD_5$) = 2,919 lb solids/day

2. Digested Solids Production
(2,919 lb solid/day)(1-(0.3)(0.7)) = 2,306 lb solids/day

3. Average Solids in Digester
(2,919 lb solids/day + 2,306 lb solids/day)/2 = 2,613 lb solids/day

4. Total Solids in Digester for 28-day SRT*
(2,613 lb solids/day)(28 days) = 73,164 lb solids

ii. Required Volume
(73,164 lb solids)($10^6$)/((8.34)(15,000 mg/L MLSS in digester)(7.48))
= 78,188 $ft^3$

iii. Proposed Volume
(2)(42 ft)(60ft)(16 ft) = 80,640 $ft^3$

*28-day SRT utilized instead of 40-day SRT for use of a multi-stage digester per EPA publication "Control of Pathogens and Vector Attraction in Sewage Sludge."

e. Chlorine Contact Basin. The proposed Final Phase WWTP will consist of one (1) proposed chlorine contact basin sized at 20' wide by 56' long. The maximum water depth is assumed to be 12 ft.

i. Required Volume at Peak Flow
(2,778 gpm)(20 min)/(7.48) = 7,428 $ft^3$

ii. Proposed Volume
(20 ft)(56 ft)(12 ft) = 13,440 $ft^3$

iii. Actual Detention Time at Peak Flow
(13,440 $ft^3$)(7.48)/(2,778 gpm) = 36.2 minutes

f. Air Requirements.

i. The proposed plant will utilize coarse bubble aeration.

1. Air Required for Treatment

$$\frac{(1.3)(350\ mg/l\ BOD_5) + (4.3)(60\ mg/l\ NH_3\text{-}N)}{(350\ mg/l\ BOD_5)} = 2.04\ lb\ O_2/lb\ BOD_5$$

*2.2 lb $O_2$/lb $BOD_5$ used instead per TCEQ minimum oxygen requirement for systems intended to nitrify

2. Coarse Bubble Requirements

$$\frac{(350\ mg/l\ BOD_5)(8.34)(1.00\ MGD)(2.2\ lb\ O_2/\ lb\ BOD_5)(0.910)**}{(0.0507*)(0.23)(0.075)(1440)} = 4,641\ scfm$$

* TCEQ Wastewater Oxygen Transfer Efficiency for Coarse Bubble aeration (0.65%/ft x (12) ft x 0.65 of submergence)
** TCEQ Chapter 217 Table F.5 Submergence Correction Factor

ii. Aerobic Digester
(80,640 $ft^3$)(20 scfm/1000 $ft^3$) = 1,613 scfm

iii. Chlorine Contact Basin
(13,440 $ft^3$)(20 scfm/1000 $ft^3$) = 268 scfm

iv. Miscellaneous Air Lifts
(4)(40 scfm) = 160 scfm

v. Total Air Requirements (Coarse Bubble)
4,641 scfm + 1,613 scfm + 268 scfm + 160 scfm = 6,682 scfm

g. Blower Capacities. The proposed plant will include four proposed centrifugal blowers. The capacity is calculated at 5.5 psig discharge pressure at 100°F, 80% RH, and 14.64 psia inlet conditions.

i. Proposed Blower Capacity
(4)(2,500 scfm) = 10,000 scfm

ii. Firm Blower Capacity with Largest Unit out of Service
(3)(2,500 scfm) = 7,500 scfm

h. Bleach Equipment.

i. Dosage Capacity – Calculations are for 10% trade strength bleach (NaOCl) with a specific gravity of 1.159, 9% available chlorine by weight, and a density of 9.7 pounds per gallon.

1. Chlorine Dosage Rate = 8 mg/l

2. NaOCl Solution Feed Rate at Average Daily Flow
$$\frac{(8\ mg/l)(8.34)(1.0\ MGD)}{((9\%)/1.159)(9.7\ lbs/gal)} = 89\ gal/day$$

3. NaOCl Solution Feed Rate at Peak Daily Flow
$$\frac{(8\ mg/l)(8.34)(4.0\ MGD)}{((9\%)/1.159)(9.7\ lbs/gal)} = 355\ gal/day$$

ii. Maximum Bleach Storage
(Covered Storage)
(15 days)( 89 gal/day) = 1,335 gal

iii. Proposed Bleach Storage
(2)(600 gal) = 1,200 gal

Two (2) 600-gallon bulk storage tanks will be provided.

i. Dechlorination Equipment. Calculations are for 38% trade strength sodium bisulfite ($NaHSO_3$) with a specific gravity of 1.320, 29% available bisulfite by weight, 2.1692 lbs of available sulfite and an anticipated chlorine residual of 2 mg/L.

| | | | |
|---|---|---|---|
| i. | Sodium Bisulfite Dosage Rate | = | 2 mg/l |
| ii. | Required Sodium Bisulfite Feed Rate at Average Daily Flow<br>(1.46)(1.00 MGD)(8.34)(2 mg/L)/(2.1692 lbs/gal) | = | 11.23 gal/day |
| iii. | Required Sodium Bisulfite Feed Rate at Peak Daily Flow<br>(1.46)(4.0 MGD)(8.34)(2 mg/L)/(2.1692 lbs/gal) | = | 44.91 gal/day |
| iv. | Sodium Bisulfite Storage (Based on 15 Days)<br>(15 days)(11.23 lbs/day) | = | 169 gal |
| v. | Proposed Sodium Bisulfite Storage<br>(1)(175 gal) | = | 175 gal |

One (1) 175-gallon bulk storage tank will be provided.

**ATTACHMENT F**

**FLOW SCHEMATICS**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

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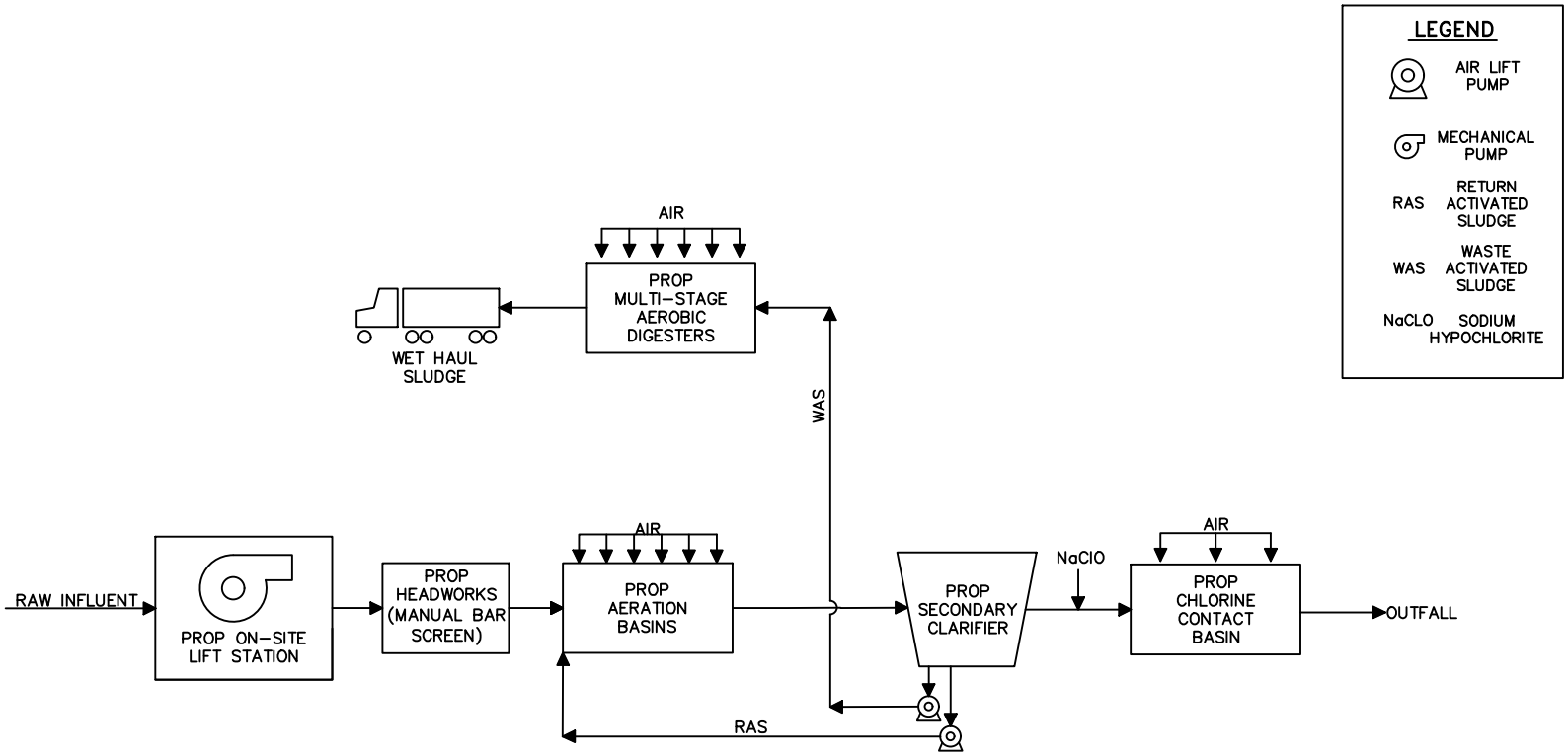


FLOW SCHEMATIC
JOHNSON COUNTY MUD NO. 4
WASTEWATER TREATMENT PLANT
INTERIM I PHASE – 0.20 MGD
JULY 2025

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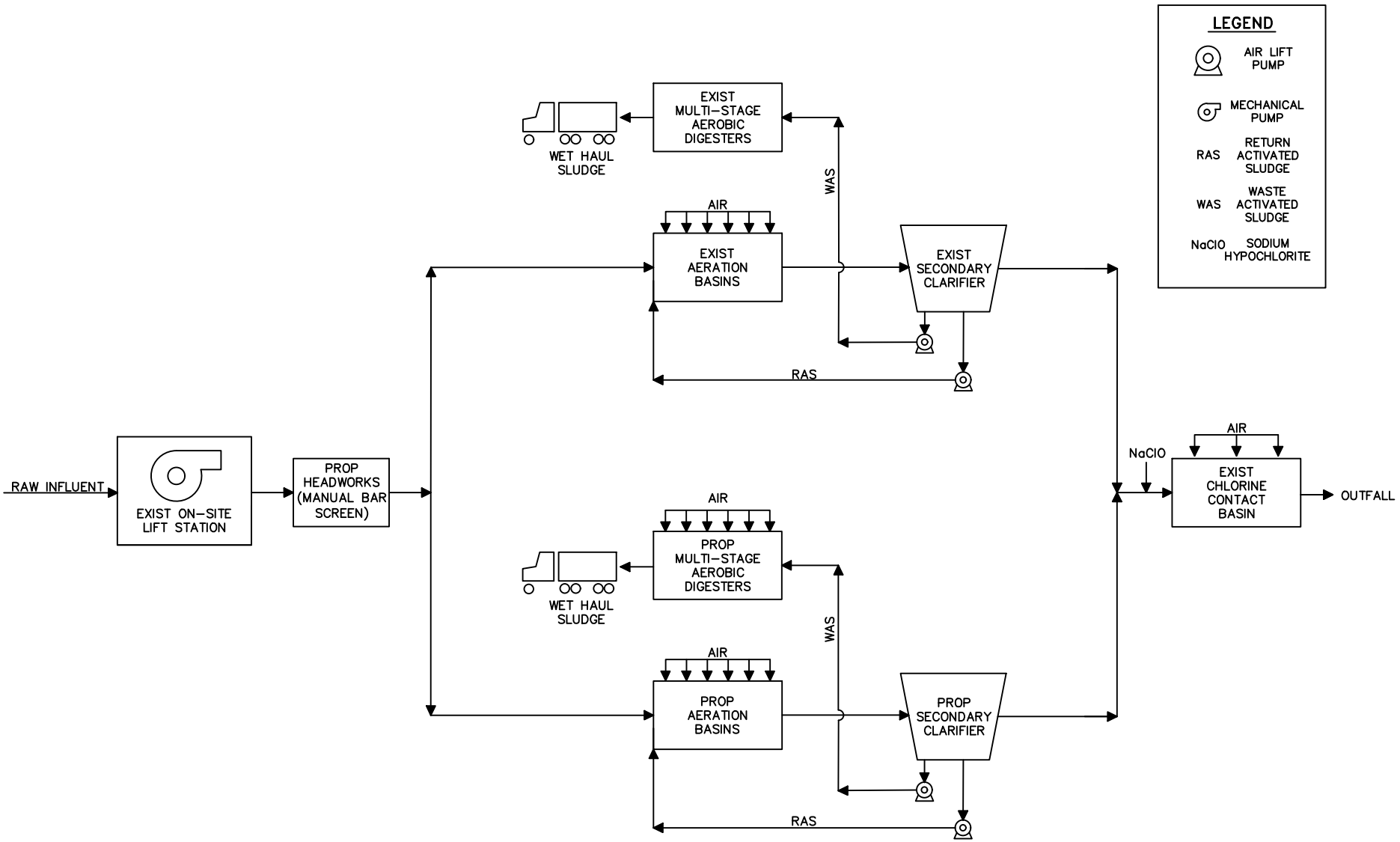


FLOW SCHEMATIC
JOHNSON COUNTY MUD NO. 4
WASTEWATER TREATMENT PLANT
INTERIM II PHASE – 0.40 MGD
JULY 2025

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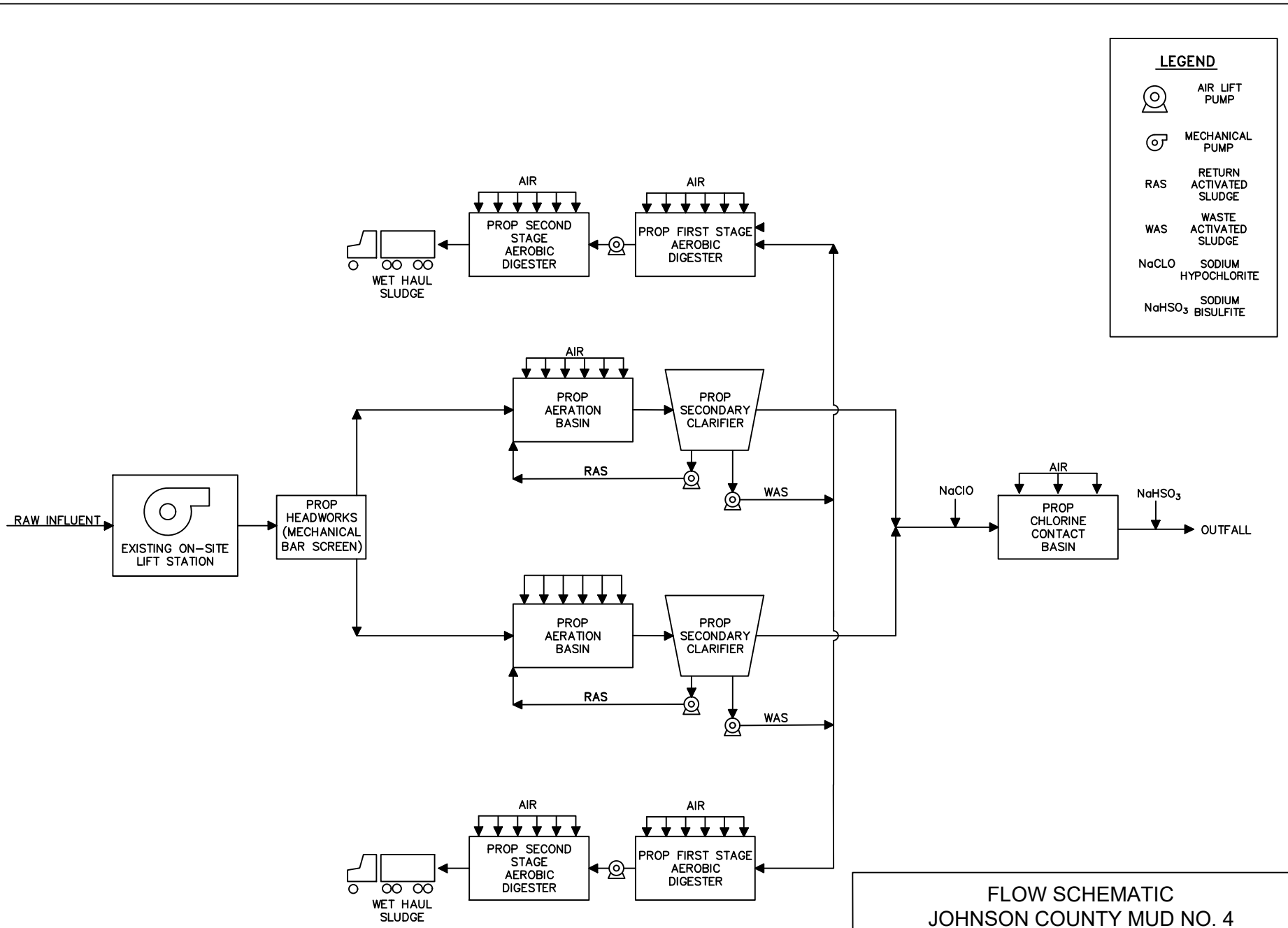


FLOW SCHEMATIC
JOHNSON COUNTY MUD NO. 4
WASTEWATER TREATMENT PLANT
FINAL PHASE - 1.0 MGD
JOHNSON COUNTY, TEXAS

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**ATTACHMENT I**

**SLUDGE MANAGEMENT PLAN**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

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**SLUDGE MANAGEMENT PLAN**
**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 TPDES PERMIT**

## INTRODUCTION

This sludge management and disposal plan is being submitted as an attachment to the TPDES permit application for MV Burleson, LLC. The Johnson County MUD No. 4 Wastewater Treatment Plant will be a 0.20 million gallons per day (MGD) single stage nitrification activated sludge plant, with proposed future phases of 0.40 MGD and 1.00 MGD.

## DIMENSIONS AND CAPACITIES

Excess solids generated from the activated plant will be wasted to an aerobic digester for further treatment. The digester will have a volume of 14,352 $ft^3$ in the Interim I phase. The Interim II and Final phases will have digester volumes of 28,704 $ft^3$ and 80,640 $ft^3$, respectively. The dewatered stabilized sludge will then be hauled away to a TCEQ permitted land application site for disposal by a licensed sludge hauler.

## SOLIDS GENERATION

Solids to be wasted from the activated sludge process are based on 1.0 pounds of TSS produced per pound of BOD applied. The design influent BOD concentration for the Interim I and Interim II phases is 250 mg/l. The design influent BOD concentration for the Final phase is 350 mg/l. Following is the amount of solids generated by the wastewater treatment plant at design flow and at 75 percent, 50 percent and 25 percent of design flow:

| Interim I Phase – 0.20 MGD | | |
|---|---|---|
| Percent of Design Flow | Flow (MGD) | Solids Generated (lb/day) |
| 25 | 0.50 | 104 |
| 50 | 0.10 | 209 |
| 75 | 0.15 | 313 |
| 100 | 0.20 | 417 |

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| Interim II Phase – 0.40 MGD | | |
|---|---|---|
| Percent of Design Flow | Flow (MGD) | Solids Generated (lb/day) |
| 25 | 0.10 | 209 |
| 50 | 0.20 | 417 |
| 75 | 0.30 | 626 |
| 100 | 0.40 | 834 |

| Final Phase – 1.00 MGD | | |
|---|---|---|
| Percent of Design Flow | Flow (MGD) | Solids Generated (lb/day) |
| 25 | 0.25 | 730 |
| 50 | 0.50 | 1,460 |
| 75 | 0.75 | 2,189 |
| 100 | 1.00 | 2,919 |

## OPERATING PARAMETERS

The single stage nitrification activated sludge process works best between mixed liquor suspended solids (MLSS) concentrations of 2,000 – 6,000 mg/l. The operator will determine the mixed liquor concentration that produces the highest quality effluent taking into consideration factors such as hydraulic and organic loading, available air capacity, and solids handling. Field testing and laboratory analysis will be done to monitor the MLSS and maintain the appropriate solids concentration.

## SOLIDS REMOVAL PROCEDURE

Laboratory analysis and field testing will be conducted to determine the solids concentration in the aeration basin. To maintain an appropriate solids inventory, the amount of solids to be wasted per day is equal to the amount of solids generated per day. This amount is stated in the SOLIDS GENERATION section of this plan. Excess solids will then be wasted from the bottom of the clarifier directly to the aerobic digester to maintain the appropriate solids concentration in the aeration basin.

## SOLIDS REMOVAL SCHEDULE

It is assumed that 70% of the solids wasted to the digester are volatile solids and the volatile solids reduction is 30%. For every pound of solids wasted to the digester, 0.79 pounds of solids will need to be disposed of by land application. In addition, it is assumed that the solids can be thickened to 15,000 mg/l in the digester.

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At this concentration, a 14,352 $ft^3$ digester will hold 13,430 pounds of solids in the Interim I phase. In the Interim II phase, a 28,704 $ft^3$ digester will hold 26,860 pounds of solids. In the Final phase, an 80,640 $ft^3$ digester will hold 75,459 pounds of solids. The capacity of the digester divided by the pounds per day of solids to be disposed of will give the sludge hauling schedule.

| Interim I Phase – 0.20 MGD | | |
|---|---|---|
| Percent of Design Flow | Solids Disposed (lb/day) | Hauling Schedule (days) |
| 25 | 82 | 163 |
| 50 | 165 | 82 |
| 75 | 247 | 54 |
| 100 | 329 | 41 |

| Interim II Phase – 0.40 MGD | | |
|---|---|---|
| Percent of Design Flow | Solids Disposed (lb/day) | Hauling Schedule (days) |
| 25 | 165 | 163 |
| 50 | 329 | 82 |
| 75 | 494 | 54 |
| 100 | 659 | 41 |

| Final Phase – 1.00 MGD | | |
|---|---|---|
| Percent of Design Flow | Solids Disposed (lb/day) | Hauling Schedule (days) |
| 25 | 577 | 131 |
| 50 | 1,153 | 65 |
| 75 | 1,730 | 44 |
| 100 | 2,306 | 33 |

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ULTIMATE SLUDGE DISPOSAL

Sludge will be liquid hauled from the plant by a TCEQ registered sludge transporter to a TCEQ permitted land application site or another wastewater treatment plant.

A manifest will be issued with each load of sludge that is hauled from the plant. The following information will be on the manifest to document ultimate disposal of the sludge:

1. Date of sludge hauling
2. Generator Name
3. Generator's address
4. Volume of sludge hauled
5. Name of transporter
6. TCEQ transporter registration number
7. Driver's name
8. Name of disposal site
9. TCEQ Site permit number
10. Date of disposal
11. Volume of sludge disposed

This information, along with laboratory and field data will be used to determine the amount of solids disposed of in dry weight form.

QUIDDITY

3100 Alvin Devane Blvd, Suite 150
Austin, Texas 78741
Tel: 512.441.9493
www.quiddity.com

**MANEO VENTURES LLC**
**JOHNSON COUNTY MUD NO. 4 TPDES APPLICATION**

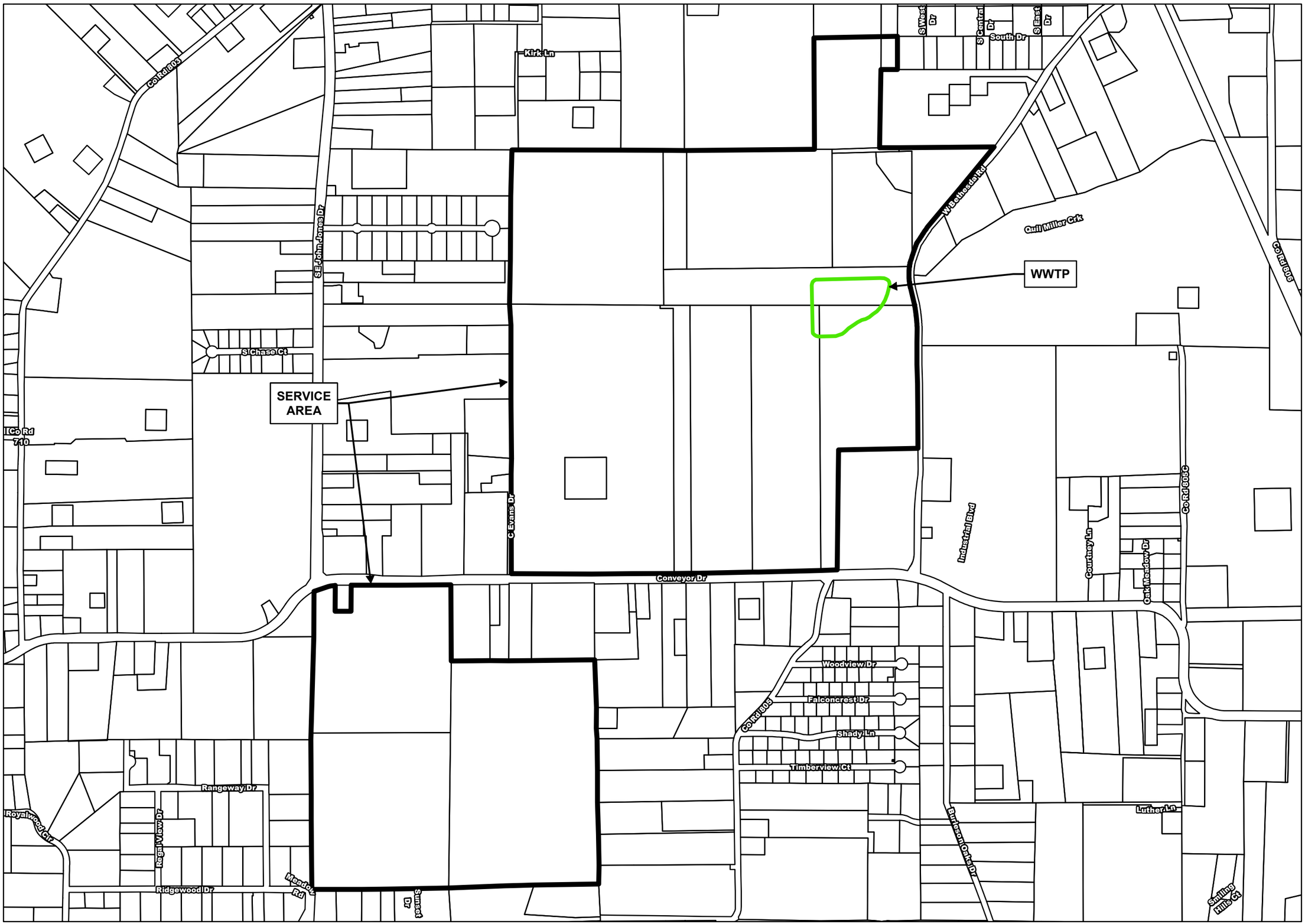
Water balance not required

**ATTACHMENT G**

**SERVICE AREA MAP**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337




# VICINITY MAP
1 INCH = 10 MILES

LEGEND

- WWTP Boundary
- Service Area
- JCAD Parcels

# SERVICE AREA MAP

## JCMUD No. 4
JOHNSON COUNTY, TEXAS

N W E S

0 900

1 INCH : 900 FEET

IMAGERY PROVIDED BY NEARMAP



QUIDDITY

Texas Board of Professional Engineers Registration No. F-23290

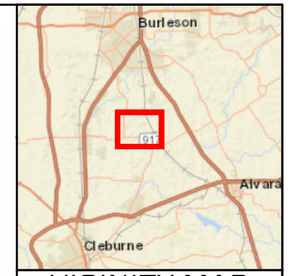
Path: V:\Practice Work\spaces\Corporate Services\GIS\Projects\0_Individuals\J_Nguyen\Mansfield Johnson County MUD No. 4\ServiceArea_Map_(11x17).mxd Project Number: 25205-0002-01100 Date: 7/9/2025 User Name: jsteh

**ATTACHMENT N**

**AREA WATER WELLS**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337


VICINITY MAP
1 INCH = 10 MILES

LEGEND

- Water Wells
- WWTP Boundary
- 500-Ft Radius
- JCAD Parcels

# WATER WELLS MAP

## JCMUD No. 4

JOHNSON COUNTY, TEXAS

N W E S

0 800

1 INCH : 800 FEET

IMAGERY PROVIDED BY NEARMAP



QUIDDITY

Texas Board of Professional Engineers Registration No. F-23290

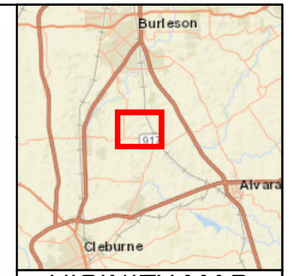
Path: V:\Practice Workspaces\Corporate Services\GIS\Projects\JD_Individuals\J_Nguyen\Maines Johnson County MUD No. 4\WaterWells_Map_(11x17).mxd Project Number: 25215-00100-01100 Date: 7/8/2025 User Name: jedall

**ATTACHMENT O**

**WETLANDS MAP**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337


VICINITY MAP
1 INCH = 10 MILES

LEGEND

- WWTP Boundary
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine
- Other
- JCAD Parcels

# WETLANDS MAP

## JCMUD No. 4

JOHNSON COUNTY, TEXAS

N W E S

0 800

1 INCH : 800 FEET

IMAGERY PROVIDED BY NEARMAP



QUIDDITY

Texas Board of Professional Engineers Registration No. F-23290

Path: Y:\Practice Workspaces\Corporate Services\GIS\Projects\0_Individuals\J_Nguyen\Meines Johnson County MUD No. 4\Wetlands_Map_(11x17).mxd Project Number: 29205-0002-01100 Date: 7/8/2025 User Name: jadel

**ATTACHMENT P**

**JUSTIFICATION**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

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Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

QUIDDITY

3100 Alvin Devane Blvd, Suite 150
Austin, Texas 78741
Tel: 512.441.9493
www.quiddity.com

**TPDES JUSTIFICATION**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT FACILITY**

The Johnson County Municipal Utility District No. 4 Wastewater Treatment Plant will serve a residential subdivision currently located in the City of Burleson ETJ, which the development will opt out of. The application is requesting for a permit with flow phases of 0.20 million gallons per day (MGD), 0.40 MGD, and 1.0 MGD.

At build out, there will be 1,682 residential connections and 648 apartment unit connections. For design purposes, the wastewater flow is 300 gallons per day per connection.

Following is the connection and flow projection to complete build out:

| Month / yr | **Single family residential** | | **Apartment** | | **Total** | |
|---|---|---|---|---|---|---|
| | **Connections** | **flow (gpd)** | **Units** | **flow (gpd)** | **Connections** | **flow (gpd)** |
| Jan-28 | 14 | 4,200 | - | - | 14 | 4,200 |
| Jan-29 | 186 | 55,800 | 22 | 6,600 | 208 | 62,400 |
| Jan-30 | 396 | 118,800 | 264 | 79,200 | 660 | 198,000 |
| Jan-31 | 540 | 162,000 | 296 | 88,800 | 836 | 250,800 |
| Jan-32 | 684 | 205,200 | 648 | 194,400 | 1332 | 399,600 |
| Jan-33 | 816 | 244,800 | 648 | 194,400 | 1464 | 439,200 |
| Jan-34 | 960 | 288,000 | 648 | 194,400 | 1,608 | 482,400 |
| Jan-35 | 1,102 | 330,600 | 648 | 194,400 | 1,750 | 525,000 |
| Jan-36 | 1,222 | 366,600 | 648 | 194,400 | 1,870 | 561,000 |
| Jan-38 | 1,342 | 402,600 | 648 | 194,400 | 1,990 | 597,000 |
| Jan-39 | 1,452 | 435,600 | 648 | 194,400 | 2,100 | 630,000 |
| Dec-40 | 1,682 | 504,600 | 648 | 194,400 | 2,330 | 700,000 |

Following is the construction schedule for the current and final plant phases:

| Proposed flow | Interim I | Interim II | Final |
|---|---|---|---|
| Design Flow (MGD) | 0.20 | 0.40 | 1.0 |
| 2-Hr Peak Flow (MGD) | 0.80 | 1.60 | 4.0 |
| Date construction to commence | 1/2027 | 8/2028 | 11/2029 |
| Date construction completed and discharge begins | 1/2028 | 8/2029 | 5/2031 |

**ATTACHMENT Q**

**REGIONALIZATION**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
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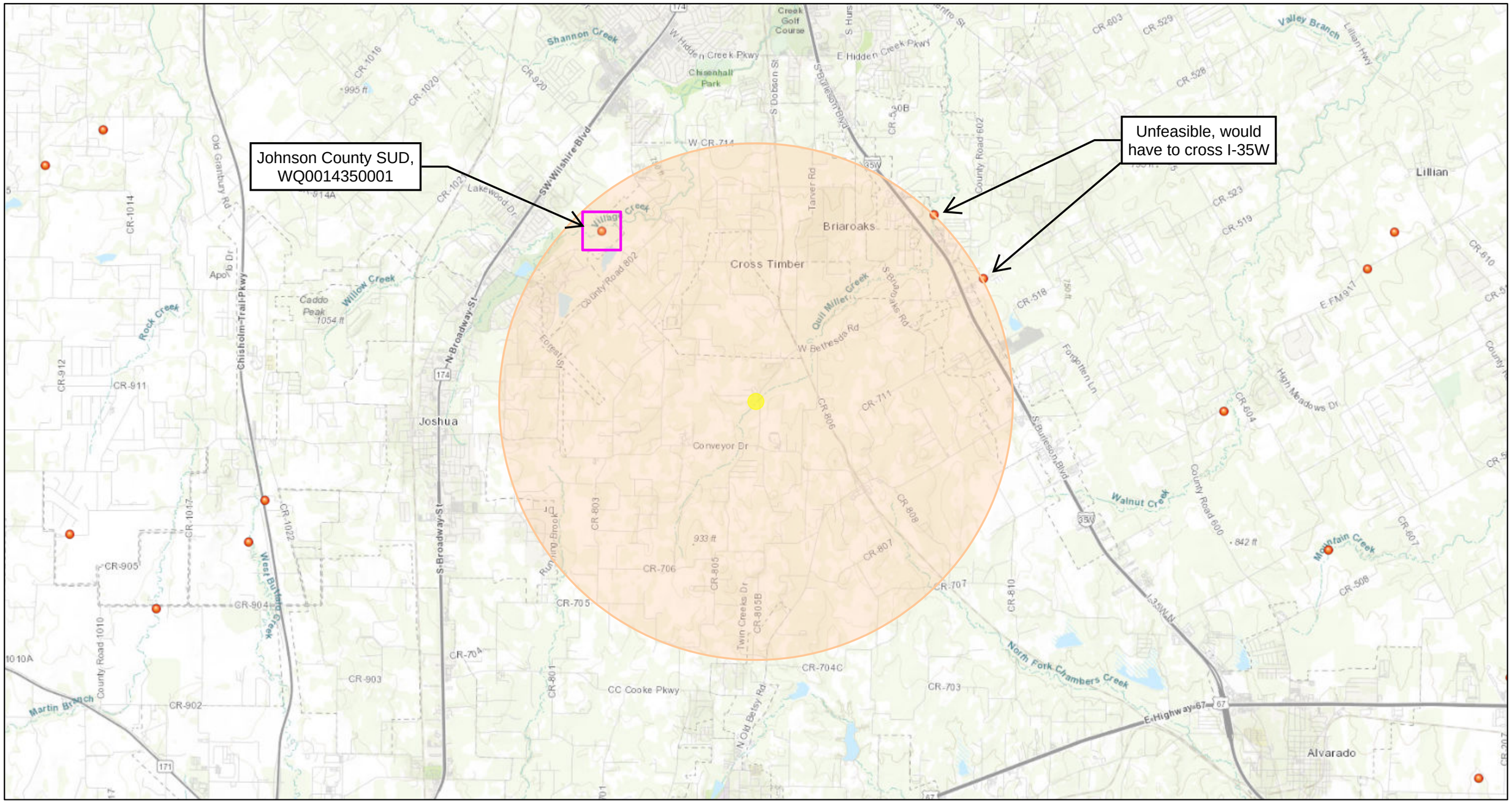
# Johnson County MUD No. 4 Nearby Permitted Outfalls




7/3/2025, 8:17:25 AM

- ArcGIS World Geocoding Service
- Wastewater Outfalls
- Citations

There is a development agreement with the City of Burleson. The development will opt out of the Burleson ETJ and will create a new municipal utility district (Johnson County MUD No. 4). The City has expressed that they will not contest the permit.

1:83,639

0 0.75 1.5 3 mi

0 1.25 2.5 5 km

**ATTACHMENT R**

**FLOODPLAIN MAP**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

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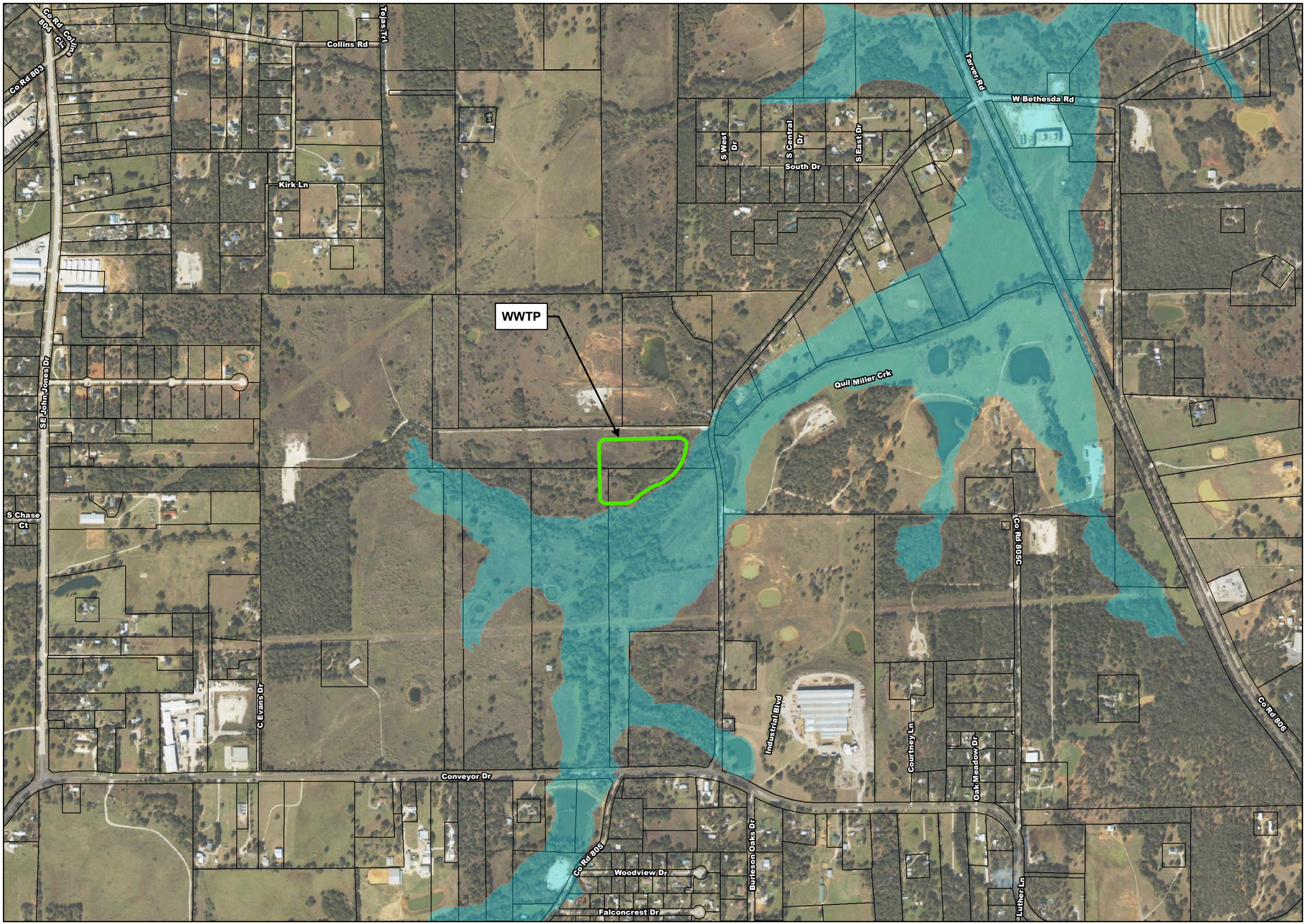
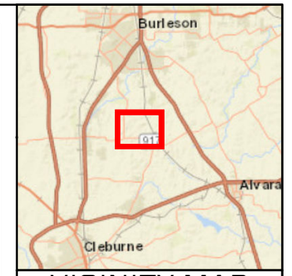
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337




VICINITY MAP
1 INCH = 10 MILES

LEGEND

- WWTP Boundary
- Floodway
- 100 Year
- 500 Year
- JCAD Parcels

# FLOODPLAIN MAP

## JCMUD No. 4

JOHNSON COUNTY, TEXAS

N W E S

0 800

1 INCH : 800 FEET

IMAGERY PROVIDED BY NEARMAP



QUIDDITY

Texas Board of Professional Engineers Registration No. F-23290

Path: V:\Practice Workspace\Corporate Services\GIS\Projects\JD_Projects\data\V_Nguyen\Mansfield Johnson County MUD No. 4\Floodplain_Map_(11x17).mxd Project Number: 253015-00102-01100 Date: 7/8/2025 User Name: adel

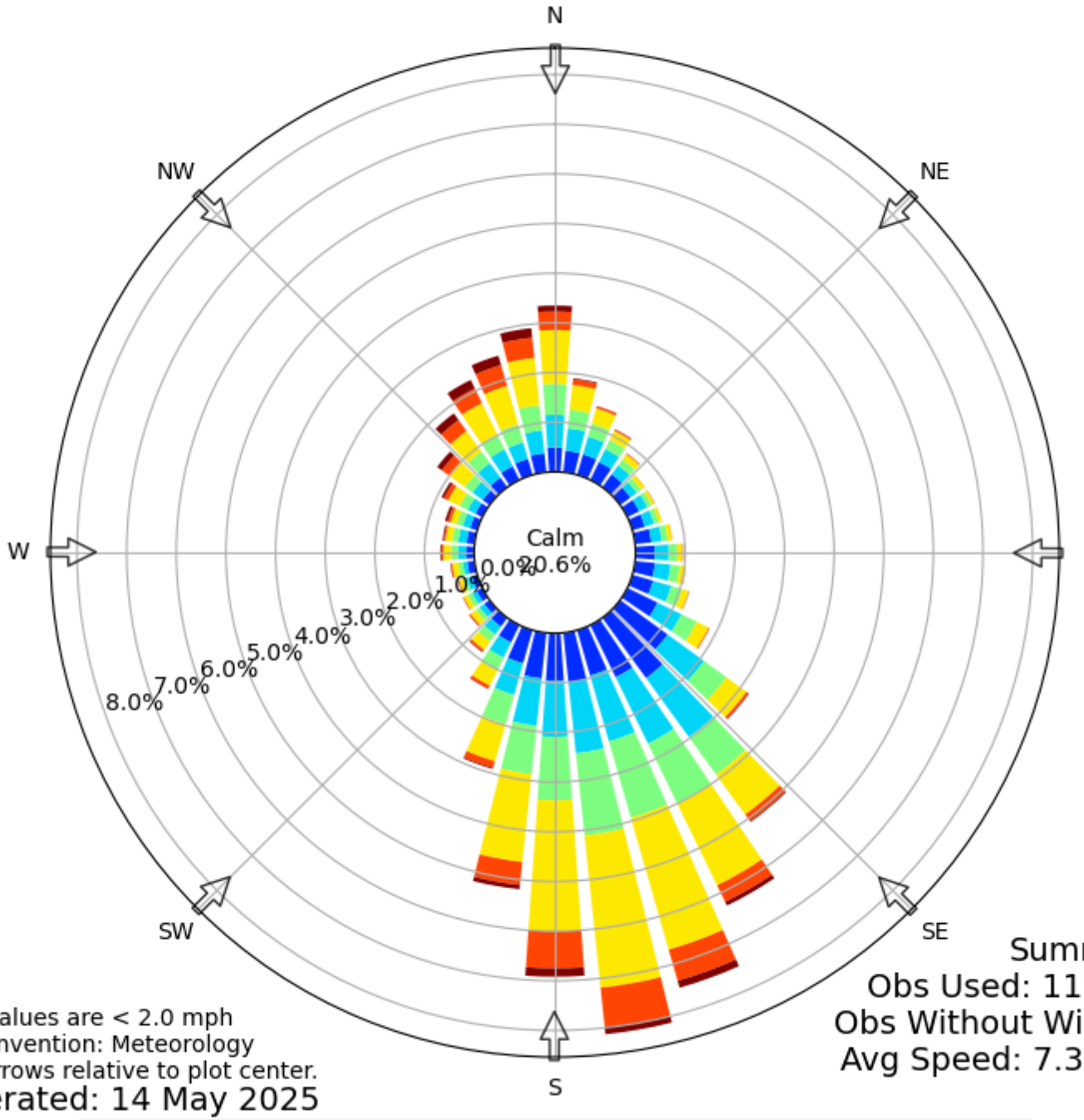
**ATTACHMENT S**

**WINDROSE**

**MV BURLESON, LLC**
**JOHNSON COUNTY MUD NO. 4 WASTEWATER TREATMENT PLANT**

QUIDDITY
Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

Windrose Plot for [FWS] Fort Worth - Spinks
Obs Between: 23 Feb 2002 03:55 PM - 14 May 2025 05:55 AM America/Chicago




Summary
Obs Used: 117500
Obs Without Wind: 0
Avg Speed: 7.3 mph

Calm values are < 2.0 mph
Bar Convention: Meteorology
Flow arrows relative to plot center.
Generated: 14 May 2025

Wind Speed [mph]
2 - 4.9 | 5 - 6.9 | 7 - 9.9 | 10 - 14.9 | 15 - 19.9 | 20+

## Rainee Trevino

**From:** Jonathan Nguyen <jnguyen@quiddity.com>
**Sent:** Thursday, August 7, 2025 8:04 AM
**To:** Rainee Trevino
**Subject:** Re: Application for Proposed Permit No. WQ0016853001- Notice of Deficiency Letter
**Attachments:** JCMUD 4 Spanish NORI.docx

Good morning,

The NORI statement in the NOD is good to go. Attached is the Spanish NORI. Please let me know if you have any additional questions on this application.

Thank you!

**Jonathan Nguyen**
*Permitting Specialist*

QUID

jnguyen@quiddity.com

(512) 685-5156

912 S. Capital of Texas Hwy, Suite 300, Austin, Texas, 78746

www.quiddity.com

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**From:** Rainee Trevino <Rainee.Trevino@tceq.texas.gov>
**Sent:** Wednesday, August 6, 2025 3:53 PM
**To:** Jonathan Nguyen <jnguyen@quiddity.com>
**Subject:** Application for Proposed Permit No. WQ0016853001- Notice of Deficiency Letter



Dear Mr. Nguyen,

The attached Notice of Deficiency letter sent on August 6, 2025, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by August 20, 2025

Regards,

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

# Comisión de Calidad Ambiental del Estado de Texas

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

**PERMISO PROPUESTO NO. WQ00**

**SOLICITUD.** MV Burleson LLC, 516 West Shore Drive, Richardson, Texas 75080, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016853001 (EPA I.D. No. TX0148245) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 1,000,000 galones por día. La planta estará ubicada 0.5 millas al noroeste de la intersección de Conveyor Drive y West Bethesda Road, cerca de la ciudad de Burleson, en el Condado de Johnson, Texas 76028. La ruta de descarga estará del sitio de la planta a Quil Miller Creek, de allí a Village Creek, de allí al lago Arlington. La TCEQ recibió esta solicitud el 29 de Julio de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca Pública de Burleson, 248 Southwest Johnson Avenue, Burleson, condado de Johnson, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.322777,32.467222&level=18

*[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange.]* El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

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

**AVISO ADICIONAL.** El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de

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

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

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

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

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

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre

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

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

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

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

También se puede obtener información adicional del MV Burleson LLC a la dirección indicada arriba o llamando a Señor Britton Church, Gerente al (214) 263-2088.

Fecha de emisión: *[Date notice issued]*