

### This file contains the following documents:

- 1. Summary of application (in plain language)
  - English
  - Alternative Language (Spanish)
- 2. First notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
  - English
  - Alternative Language (Spanish)
- 3. Second notice (NAPD-Notice of Preliminary Decision)
  - English
  - Alternative Language (Spanish)
- 4. Application materials
- 5. Draft permit
- 6. Technical summary or fact sheet



### Este archivo contiene los siguientes documentos:

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

## ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS

#### DOMESTIC WASTEWATER

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

A&M Interest Inc (cn6600743694) proposes to operate 70AC Development on FM2854 near Honea WWTP RN110846797. a 2100 feet east of the intersections of deer lake lodge road and FM2854. The facility will be located 1519 North Frazier Street, in Conroe, Montgonery County, Texas 77356.

### PLANTILLA EN ESPANOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS TPDES o TLAP

### AGUAS RESIDUALES DOMÉSTICAS

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

A&M Interest Inc. (Cn6600743694) propone operar en un desarrollo de 70AC en FM2854 cerca de Honea WWTP RN110846797, a 2100 pies al este de las intersecciones de Deer Lake Lodge.Road y FM2854. La instalación estará ubicada en 1519 North Frazier Street, en Conroe, Condado de Montgomery, Texas 77356.

13. Introduzca el resumen de la solicitud de solicitud aquí. << Para las aplicaciones de TLAP incluya la siguiente oración, de lo contrario, elimine:>> Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

## **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**



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

### PERMIT NO. WQ0015819001

APPLICATION. A & M Interests, Inc., 1519 North Frazier Street, Conroe, Texas 77301, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015819001 (EPA I.D. No. TX0139548) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 60,000 gallons per day. The domestic wastewater treatment facility is located approximately 2,100 feet East of the Intersection of Deer Lake Lodge Road and Farm-to-Market Road 2854, in the city of Conroe, in Montgomery County, Texas 77356. The discharge route is from the plant site to an unnamed tributary; thence to Mound Creek: thence to Lake Creek. TCEQ received this application on August 26, 2024. The permit application will be available for viewing and copying at Montgomery County Clerk's Office, 210 West Davis Street, Suite 100, Conroe, in Montgomery 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=-95.622222,30.318611&level=18

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

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 countywide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a

public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

**INFORMATION AVAILABLE ONLINE.** For details about the status of the application, visit the Commissioners' Integrated Database at <a href="www.tceq.texas.gov/goto/cid">www.tceq.texas.gov/goto/cid</a>. 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 <a href="https://www14.tceq.texas.gov/epic/eComment/">https://www14.tceq.texas.gov/epic/eComment/</a>, 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 <a href="www.tceq.texas.gov/goto/pep">www.tceq.texas.gov/goto/pep</a>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from A & M Interests, Inc. at the address stated above or by calling Mr. Michael Karimaghaei, Owner, at 281-827-4908.

Issuance Date: November 21, 2024

### Comisión de Calidad Ambiental del Estado de Texas



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

### **PERMISO NO. WQ0015819001**

SOLICITUD. A & M Interests, Inc., 1519 North Frazier Street, Conroe, Texas 77301 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0015819001 (EPA I.D. No. TX0139548) 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 60,000 galones por día. La planta está ubicada aproximadamente 2,100 pies al este de la intersección de Deer Lake Lodge Road y Farm-to-Market Road 2854, en el Condado de Montgomery, Texas. La ruta de descarga es del sitio de la planta a hasta un afluente sin nombre; de allí a Mound Creek: de allí a Lake Creek. La TCEQ recibió esta solicitud el 26 de agosto de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en la Oficina del Secretario del Condado de Montgomery, 210 West Davis Street, Suite 100, Conroe, en el Condado de Montgomery, Texas antes de la fecha de publicación de este aviso en el periódico. La aplicación incluidas las actualizaciones y los avisos asociados están disponibles electrónicamente en la siguiente pagina web: https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.622222,30.318611&level=18 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=-95.622222,30.318611&level=18

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

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

### OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.

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

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

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

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

TCEQ.

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <a href="http://www14.tceq.texas.gov/epic/eComment/">http://www14.tceq.texas.gov/epic/eComment/</a>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 A & M Interests, Inc. a la dirección indicada arriba o llamando a Mr. Michael Karimaghaei, Owner al 281-827-4908.

Fecha de emission: 12 de noviembre de 2024

### **Texas Commission on Environmental Quality**



## NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER

#### **RENEWAL**

#### **PERMIT NO. WQ0015819001**

**APPLICATION AND PRELIMINARY DECISION**. A&M Interests, Inc., 1519 North Frazier Street, Conroe, Texas 77301, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015819001 which authorizes the discharge of treated domestic wastewater at a daily average flow not to exceed 60,000 gallons per day. TCEQ received this application on August 26, 2024.

The facility is located approximately 2,100 feet east of the intersection of Deer Lake Lodge Road and Farm-to-Market Road 2854, in the City of Conroe, in Montgomery County, Texas 77356. The treated effluent is discharged to an unnamed tributary, thence to Mound Creek, thence to Lake Creek in Segment No. 1015 of the San Jacinto River Basin. The unclassified receiving water uses are minimal aquatic life use for the unnamed tributary and high aquatic life use for Mound Creek. The designated uses for Segment No. 1015 are primary contact recreation, public water supply, and high aquatic life use. All determinations are preliminary and subject to additional review and/or revisions. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application. <a href="https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.622222,30.318611&level=18">https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.622222,30.318611&level=18</a>

The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at Montgomery County Clerk's Office, 210 West Davis Street, Suite 100, Conroe, in Montgomery County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage:

https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at <a href="https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public-at-public

<u>notices</u>. El aviso de idioma alternativo en español está disponible en <a href="https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices">https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices</a>.

**PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting about this application.** The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ holds a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period. TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

**EXECUTIVE DIRECTOR ACTION**. The Executive Director may issue final approval of the application unless a timely contested case hearing request or request for reconsideration is filed.

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

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

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

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

**AGENCY CONTACTS AND INFORMATION.** Public comments and requests must be submitted either electronically at <a href="www.tceq.texas.gov/goto/comment">www.tceq.texas.gov/goto/comment</a>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC 105, P.O. Box 13087, Austin, Texas 78711-3087. Any personal information you submit to the TCEQ will become part of the agency's record; this includes email addresses. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at <a href="www.tceq.texas.gov/goto/pep">www.tceq.texas.gov/goto/pep</a>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from A&M Interests, Inc. at the address stated above or by calling Mr. Michael Karimaghaei, Owner, at 281-827-4908.

Issuance Date: September 19, 2025

### Comisión de Calidad Ambiental del Texas



## AVISO DE LA SOLICITUD Y DECISIÓN PRELIMINAR PARA EL PERMISO TPDES PARA AGUAS RESIDUALES MUNICIPALES

### RENOVACIÓN

### **PERMISO NO. WQ0015819001**

**SOLICITUD Y DECISIÓN PRELIMINAR**. A&M Interests, Inc., 1519 North Frazier Street, Conroe, Texas 77301, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) la renovación del Permiso No. WQ0015819001 del Sistema de Eliminación de Descargas Contaminantes de Texas (TPDES), que autoriza la descarga de aguas residuales domésticas tratadas con un caudal promedio diario que no exceda los 60,000 galones por día. La TCEQ recibió esta solicitud el 26 de agosto de 2024.

La instalación está ubicada aproximadamente a 2,100 pies al este de la intersección de Deer Lake Lodge Road y Farm-to-Market Road 2854, en la ciudad de Conroe, en el condado de Montgomery, Texas 77356. El efluente tratado se descarga a un afluente sin nombre, de allí a Mound Creek, de allí a Lake Creek en el segmento no, 1015 de la cuenca del río San Jacinto. Los usos no clasificados del agua receptora son el uso mínimo de vida acuática para el afluente sin nombre y el uso elevado de vida acuática para Mound Creek. Los usos designados para el segmento no. 1015 son recreación de contacto primario, suministro público de agua y uso elevado de vida acuática. Todas las determinaciones son preliminares y están sujetas a revisión y/o modificaciones adicionales. Este enlace a un mapa electrónico de la ubicación general del sitio o la instalación se proporciona como cortesía pública y no forma parte de la solicitud o el aviso. Para conocer la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=- 95.622222,30.318611&level=18

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. De aprobarse, este borrador establecería las condiciones bajo las cuales la instalación deberá operar. El Director Ejecutivo ha determinado preliminarmente que este permiso, de ser emitido, cumple con todos los requisitos legales y reglamentarios. La solicitud de permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para consulta y copia en la Oficina del Secretario del Condado de Montgomery, 210 West Davis Street, Suite 100, Conroe, Condado de Montgomery, Texas. La solicitud, incluidas todas las actualizaciones y los avisos asociados están disponibles electrónicamente en la siguiente página web:

https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

**DE LENGUAJE ALTERNATIVO.** El aviso de lenguaje alternativo en español está disponible en <a href="https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices">https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices</a>.

COMENTARIOS PÚBLICOS / REUNIÓN PÚBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es brindar la oportunidad de presentar comentarios o hacer preguntas sobre la solicitud. La TCEQ celebra una reunión pública si el Director Ejecutivo determina que existe un interés público significativo en la solicitud o si lo solicita un legislador local. Una reunión pública no constituye una audiencia de caso contencioso.

### OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.

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

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

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

período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso para descargar aguas residuales sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

**ACCIÓN DEL DIRECTOR EJECUTIVO**. El Director Ejecutivo podrá emitir la aprobación definitiva de la solicitud a menos que se presente oportunamente una solicitud de audiencia de caso impugnado o una solicitud de reconsideración. Si se presenta oportunamente una solicitud de audiencia o de reconsideración, el Director Ejecutivo no emitirá la aprobación definitiva del permiso y remitirá la solicitud y la solicitud a los Comisionados de la TCEQ para su consideración en una reunión programada de la Comisión.

LISTA DE CORREO. Si presenta comentarios públicos, una solicitud de audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se le añadirá a la lista de correo de esta solicitud específica para recibir futuras notificaciones públicas enviadas por la Oficina del Secretario General. Además, puede solicitar ser incluido en: (1) la lista de correo permanente para un nombre de solicitante y número de permiso específicos; y/o (2) la lista de correo de un condado específico. Si desea ser incluido en la lista de correo permanente o en la lista de correo del condado, especifique claramente cuál(es) y envíe su solicitud a la Oficina del Secretario General de la TCEQ a la dirección que figura a continuación.

Todos los comentarios escritos del público y los pedidos una reunión deben ser presentados durante los 30 días después de la publicación del aviso a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 or por el internet a <a href="www.tceq.texas.gov/goto/comment">www.tceq.texas.gov/goto/comment</a>. 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.

**INFORMACIÓN DISPONIBLE EN LÍNEA.** Para obtener más información sobre el estado de la solicitud, visite la Base de Datos Integrada de Comisionados en <a href="https://www.tceq.texas.gov/goto/cid">www.tceq.texas.gov/goto/cid</a>. Busque en la base de datos utilizando el número de permiso de esta solicitud, que se encuentra en la parte superior de este aviso.

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

También se puede obtener más información de A&M Interests, Inc. en la dirección indicada anteriormente o llamando al Sr. Michael Karimaghaei, propietario, al 281-827-4908.

Fecha de emisión: 19 de septiembre de 2025

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION **CHECKLIST**

Complete and submit this checklist with the application. A&M ITERESTS, INC PERMIT NUMBER: NOT YET ASSIGNED MICHAEL KARIMAGHAEI Indicate if each of the following items is included in your application. Y N Administrative Report 1.0 X Original USGS Map Administrative Report 1.1 內 Affected Landowners Map SPIF TH Landowner Disk or Labels Core Data Form 1X Buffer Zone Map 凶 Technical Report 1.0 区 Flow Diagram 义 Technical Report 1.1 X Site Drawing 凶 Worksheet 2.0 为 Original Photographs X Worksheet 2.1 X Design Calculations 17 Worksheet 3.0 Solids Management Plan X. Worksheet 3.1 Water Balance Worksheet 3.2 Worksheet 3.3 Worksheet 4.0 Worksheet 5.0 Worksheet 6.0 D Worksheet 7.0 For TCEQ Use Only

Segment Number Expiration Date Permit Number	County Region	



A&M Taledo

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# APPLICATION FOR A DOMESTIC WASTEWATER PERMIT ADMINISTRATIVE REPORT 1.0

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

# Section 1. Application Fees (Instructions Page 29)

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

	are appreadon tee (cue)	k omy one).	
Flow <0.05 MGD	New/Major Amendment	Renewal	
≥0.05 MGD ≥0.05 but <0.10 MGD ≥0.10 but <0.25 MGD ≥0.25 but <0.50 MGD ≥0.50 but <1.0 MGD ≥1.0 MGD	\$350.00	\$315.00	
Minor Amendment (for any flow) \$150.00 □			
Payment Information:			

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

Copy of Payment Voucher enclosed?

Yes 🗆

Section 2. Type of Application (Instructions Page 29)			
X	New TPDES		New TLAP
	Major Amendment with Renewal		Minor Amendment <u>with</u> Renewal
	Major Amendment without Renewal		Minor Amendment <u>without</u> Renewal
	Renewal without changes		Minor Modification of permit
For amendments or modifications, describe the proposed changes:			
For existing permits:			
Permit Number: WQ00 ACT 4CT			
EPA I.D. (TPDES only): TX			

# Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 29)

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

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

ARM INTERESTS, INC

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

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

CN:

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

Prefix (Mr., Ms., Miss):

1480

First and Last Name:

MICHAEL KARIMAGHAEI

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

Title:

OWNER

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

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

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

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

CN:

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

Prefix (Mr., Ms., Miss):

First and Last Name:

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

Title:

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

### C. Core Data Form

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

Attachment:

# Section 4. Application Contact Information (Instructions Page 30)

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

destroit administrative questions and technical questions.
A. Prefix (Mr., Ms., Miss):
First and Last Name:  MICHAEL KARIMAGHAEI
Credential (P.E, P.G., Ph.D., etc.):
Title: OLUMER?
Organization Name: AFM INTERZESTS, INC
Mailing Address: 1519 No. FRAZIER
City, State, Zip Code: CONROE, TEXAS 77301
Phone No.: 28 (827 490 Ext.: Fax No.:
E-mail Address:
Check one or both: Administrative Contact   — Technical Contact
B. Prefix (Mr., Ms., Miss):
First and Last Name: , GEORGERA NETIC
Credential (P.E, P.G., Ph.D. etc.):
Title: PROJECT ENCRA
Organization Name: Georgelt Neill EASSOC, The
Maining Address: アウ Box 智川 、
City, State, Zip Code: Athews Tx 75-1
FIIOHE NO.: (10) - 450 Hot & Ext.
Tax No
E-mail Address: Georgehneille YAHOO, COM
Check one or both:   Administrative Contact  Technical Contact

# Section 5. Permit Contact Information (Instructions Page 30)

Provide two names of individuals that can be contacted throughout the permit term. A. Prefix (Mr., Ms., Miss): MAR First and Last Name: MICHAEL KARIMAGHAEI Credential (P.E, P.G., Ph.D., etc.): SAME Title: Organization Name: Mailing Address: City, State, Zip Code: Phone No.: Ext.: Fax No.: E-mail Address: B. Prefix (Mr., Ms., Miss): 2nd NOTIFICATION MAME IS MRE KARIMAGHAEI First and Last Name: Credential (P.E, P.G., Ph.D., etc.): Title: SAME Organization Name: Mailing Address: City, State, Zip Code: Phone No.: Ext.: Fax No.: E-mail Address:

# Section 6. Billing Information (Instructions Page 30)

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

Prefix (Mr., Ms., Miss):

Mr

First and Last Name:

MICHAEL KARIMAGHAEI

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

OWNER

Organization Name: A & M INTERESTS, INC
Mailing Address: 1519 No FRAZIER
City, State, Zip Code: CONROC, TEXAS 77301

Phone	No:
TITOTIC	T 4 O

Ext.:

Fax No.:

E-mail Address:

## Section 7. DMR/MER Contact Information (Instructions Page 31)

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

Prefix (Mr., Ms., Miss):

MIR

First and Last Name:

MICHAEL KARIMAGHAEI

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

Title:

OWNER

Organization Name: AEM INTERESTS, INC

Mailing Address:

1519 NO. FIZAZIER

City, State, Zip Code: (ONROE) TEXAS 7730/

Phone No.: 28/ 827 4908Ext.:

Fax No.:

E-mail Address:

DMR data is required to be submitted electronically. Create an account at:

https://www.tceq.texas.gov/permitting/netdmr/netdmr.html.

## Section 8. Public Notice Information (Instructions Page 31)

## A. Individual Publishing the Notices

Prefix (Mr., Ms., Miss):

MR

First and Last Name:

MICHAEL KARIMAGHAEI

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

Title:

SAME

Organization Name:

Mailing Address:

City, State, Zip Code:

Phone No.:

Ext.:

Fax No.:

E-mail Address:

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

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

0

	instructions:
	□ E-mail Address
	□ Fax
	Regular Mail
C.	Contact person to be listed in the Notices
	Prefix (Mr., Ms., Miss): MC MICHAEL KARIMAGHAEI
	First and Last Name:
	Credential (P.E, P.G., Ph.D., etc.):
	Title: OWNER
	Organization Name: AEM INTERESTS, INC
	Phone No.: 231 827 490 Ext.:
	E-mail:
D.	Public Viewing Information
	If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.
	Public building name: MONTGOMER 7 CO
	Location within the building: COUNTY CLERK'S OFFICE
	Physical Address of Building: ZEC DZUS
	City: CONROE County: MONTGO NEERY
	Contact Name: FILE CLEPIC
	Phone No.: Ext.:
E.	Bilingual Notice Requirements:
	This information is required for new, major amendment, and renewal applications. It is not required for minor amendment or minor modification applications.
	This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.
	Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.
	1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?
	Yes 🗆 No
	If <b>no</b> , publication of an alternative language notice is not required; <b>skip to</b> Section 9 below.

C	Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?		
	Yes 🗆 No		
	If <b>yes</b> , indicate by a check mark if:		
	☐ Authorization granted           Authorization pending		
	For <b>new and amendment</b> applications, provide copies of letters that show proof of contact and the approval letter upon receipt.		
	Attachment: 18		
D.	For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge.		
	N/A		
Se	ection 11. TLAP Disposal Information (Instructions Page 36)		
Α.	For TLAPs, is the location of the effluent disposal site in the existing permit accurate? $\Box$ Yes $\Box$ No $\nearrow$ $\nearrow$ $\nearrow$		
	If <b>no</b> , <b>or</b> a <b>new or amendment permit application</b> , provide an accurate description of the disposal site location:		
Ī			
В.	City nearest the disposal site:		
C.	County in which the disposal site is located:		
	Disposal Site Latitude: Longitude:		
E.	For TLAPs, describe the routing of effluent from the treatment facility to the disposal site:		
L			
F	For <b>TLAPs</b> , please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:		

S	ection 12. Miscellaneous Information (Instructions Page 37)
A.	. Is the facility located on or does the treated effluent cross American Indian Land? □ Yes ★₹No
В.	If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?  □ Yes
	If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.
C.	service regarding this application?
	☐ Yes ☐ No  If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:
D.	Do you owe any fees to the TCEQ?
	☐ Yes ☐ No  If yes, provide the following information:  Account number: Amount past due:
	Do you owe any penalties to the TCEQ?    Yes   No  If yes, please provide the following information:
	Enforcement order number: Amount past due:

## Section 13. Attachments (Instructions Page 38)

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

	Lease agreement or deed recorded easement, if the land where the treatment facility is
	located or the effluent disposal site are not owned by the applicant or co-applicant.
	Original full-size USGS Topographic Map with the following information:
/	Applicant's property boundary
	Treatment facility boundary
	<ul> <li>Labeled point of discharge for each discharge point (TPDES only)</li> </ul>
	<ul> <li>Highlighted discharge route for each discharge point (TPDES only)</li> </ul>
	Onsite sewage sludge disposal site (if applicable)
	• Effluent disposal site boundaries (TLAP only)
	New and future construction (if applicable)
	• 1 mile radius information
	• 3 miles downstream information (TPDES only)
	• All ponds.
	Attachment 1 for Individuals as co-applicants
	Other Attachments Please specify Ster Toble at Contents

# Section 14. Signature Page (Instructions Page 39)

## **DOMESTIC ADMINISTRATIVE REPORT 1.1**

The following information is required for new and amendment applications.

## Section 1. Affected Landowner Information (Instructions Page 41)

A	. Ind foll	icate-by a check mark that the landowners map or drawing, with scale, includes the owing information, as applicable:
	X	The applicant's property boundaries
	9	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).)
	4	The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
	Ď.	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
В.	addı	Indicate by a check mark that a separate list with the landowners' names and mailing esses cross-referenced to the landowner's map has been provided.
C.		cate by a check mark in which format the landowners list is submitted:  Readable/Writeable CD Four sets of labels
D	Drox	• 1 2
		ide the source of the landowners' names and mailing addresses: MONGOMERY
E.	As re	equired by <i>Texas Water Code § 5.115</i> , is any permanent school fund land affected by this ication?
		Yes No
	If ye	s, provide the location and foreseeable impacts and effects this application has on the

Page 14 of 21

TCEQ-10053 (06/25/2018) Municipal Wastewater Application Administrative Report

	land	(s):
3	ectio	on 2. Original Photographs (Instructions Page 44)
P	rovide (	original ground level photographs. Indicate with checkmarks that the following tion is provided.
	Ø A	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
S	ectio	n 3. Buffer Zone Map (Instructions Page 44)
	Buffe inform	r zone map. Provide a buffer zone map on $8.5 \times 11$ -inch paper with all of the following mation. The applicant's property line and the buffer zone line may be distinguished by 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.
В.	Buffer Check	r zone compliance method. Indicate how the buffer zone requirements will be met.
	1	Ownership
		Restrictive easement
		Nuisance odor control
		Variance
C.	Unsui unsuit	table site characteristics. Does the facility comply with the requirements regarding table site characteristic found in 30 TAC § 309.13(a) through (d)?
		Yes No



ICEQ Core Data Form	

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175. **ECTION 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) 3. Regulated Entity Reference Number (if issued) Follow this link to search for CN or RN numbers in 110846797 600743694 CN Central Registry\*\* **SECTION II: Customer Information** 5. Effective Date for Customer Information Updates (mm/dd/yyyy) 4. General Customer Information Change in Regulated Entity Ownership Update to Customer Information New Customer 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: 8. TX State Tax ID (11 digits) 7. TX SOS/CPA Filing Number 9. Federal Tax ID (9 digits) 10. DUNS Number (if applicable) 17601670924 0076930000 11. Type of Customer: Corporation Individual Partnership: ☐ General ☐ Limited Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other Sole Proprietorship Other: 12. Number of Employees 13. Independently Owned and Operated? 101-250 251-500 501 and higher ☐ Yes 21-100 \_\_ 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 Voluntary Cleanup Applicant Occupational Licensee Responsible Party Other: Karinahad HICHIGAI 15. Mailing ENTIE! Address: ZIP State ZIP + 4City CHICA 17. E-Mail Address (if applicable) 16. Country Mailing Information (if outside USA) 19. Extension or Code 20. Fax Number (if applicable) 18. Telephone Number ( CEI) -827 9901 **SECTION III: Regulated Entity Information** 21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a permit application) 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 Agency 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.) AEM Interest, INC.

TCEQ-10400 (04/15)

				-							
23. Street Address of		1900	3 6-	rat. 10						, , , , , , , , , , , , , , , , , , , ,	
the Regulated Entity: (No PO Boxes)		<i>f</i>	7 = 8		<u>~ + + </u>	せるい	+ 5	int w	<u> </u>		
THO T O BOXCO7	City	CONF	ত্ Sta	te 7	X	ZIP	17	732	ZIP + 4		
24. County											
	Fnt	er Physical L	ocation De	escription if no	street a						
25. Description to Physical Location:	NOTE:	PROJECT IS 2854 FRO	S 10,000 M HONE	FT WEST ALO	ONG FN	1	ALSZ	21	60 E3	St from	
26. Nearest City	MIGNI	gerocci	1.4		U	. —	State	7GE I	Ne	arest ZIP Code	
									7	77356	
27. Latitude (N) In Deci	mal:				28. Lor	gitude (V	V) In [	Decimal:	8		
Degrees	Minutes		Seconds		Degrees			Minutes		Seconds	
30	1	<sup>c</sup> 5	07.	07.04		95		,	37 20		
29. Primary SIC Code (4 o								32. Secondary NAICS Code (5 or 6 digits)			
6552		43	50		53	13			404	4	
33. What is the Primary I	Business of t	his entity?		t the SIC or NAICS	description	n.)		,			
	<del></del>	17eal	(3)	tale !	ر ب <sub>س</sub> ينيمر	da	in A		18/0/20	+ drenke	
04 M !!!		1779	M 1	wheres	7 ر = 1	U-6_					
34. Mailing Address:		151	9 6	- S. S. C.	é/		г	-20:			
	City	COMPRE	e	State	<b>K</b>	ZIP	77	301	ZIP + 4		
35. E-Mail Address	:	· · · · · · · · · · · · · · · · · · ·									
	one Number		1	Extension or	Code		38.	Fax Nur	nber (if appli	cable)	
(PEI)	·87°	7 4908	3					(	) •		
D. TCEQ Programs and ID rm. See the Core Data Form in	Numbers Che astructions for a	eck all Programs additional guidan	and write ir ce.	n the permits/reg	istration n	umbers tha	at will be a	affected by	y the updates su	ubmitted on this	
Dam Safety	☐ Districts		☐ Edwa	rds Aquifer	ds Aquifer			ions Inventory Air		☐ Industrial Hazardous Waste	
☐ Municipal Solid Waste	☐ New Soul	rce Review Air	OSSF		Petroleum Storage T		Fank	nk PWS			
Sludge	Storm Water Title V Air		/ Air	□ Tires		_	Used Oil				
	Storm we	101	1 Title	All	$\dashv$				C) Osed Oil		
☐ Voluntary Cleanup	Waste Water		ewater Agricultur	Iture Water Rights				Other:			
	1										
ECTION IV: Pre	parer Inf	ormation									
0. Name:	10019	e 61	11/4	31/18	41. Titl	e:	PI	<del>73</del> ;	(=)19	il seed	
2. Telephone Number	43. Ext./(	Code 4	4. Fax Nur	mber	45. E-	Mail Add	ress	7	7		
751) 450 764	7	(	)	-	(	Ces	ge i	N W	cille	Talma.	
ECTION V: Autl	norized S	ignature			1				,=	VI V	
6. By my signature below, gnature authority to submit	l certify, to the	e best of my kr	nowledge, t	that the informated in Section II	tion prov	vided in th	is form i	is true an	d complete, ar	nd that I have	
entified in field 39.			, -F-00111	comon n	. 1 1010 0	citar Of do			-p saids to the I		

Job Title:

Phone:

Company:

Name(In Print):



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY DOMESTIC WASTEWATER PERMIT APPLICATION

### DOMESTIC TECHNICAL REPORT 1.0

The Following Is Required For All Applications Renewal, New, And Amendment

## Section 1. Permitted or Proposed Flows (Instructions Page 51)

A. Existing/Interim I Pha	SP

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

B. Interim II Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

C. Final Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

D. Current operating phase:

Provide the startup date of the facility:

ALREADY

## Section 2. Treatment Process (Instructions Page 51)

### A. Treatment process description

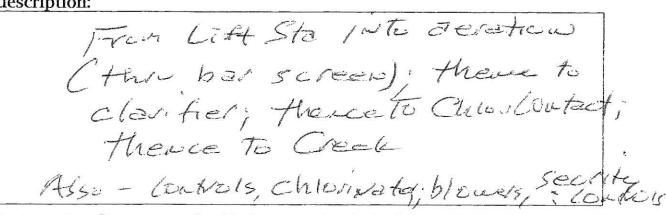
Provide a detailed description of the treatment process. Include the type of treatment plant, mode of operation, and all treatment units. Start with the

C.10

C.30

plant's head works and finish with the point of discharge. Include all sludge processing and drying units. If more than one phase exists or is proposed in the permit, a description of each phase must be provided. Process

description:



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

dimensions (length, width, depth) of each treatment unit, accounting for all phases of operation.

Table 1.0(1) - Treatment Units

Number of Units	Dimensions (L x W x D)

## C. Process flow diagrams

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

Attachment:

Section	3.	Site	Drawing	(Instructions	Page	52)
---------	----	------	---------	---------------	------	-----

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

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

Attachment: 2	
Provide the name and	d a description of the area served by the treatment facility.
STAFFO	ORD MOBILE HOME PARK, INC.
Section 4. Unbuil	t Phases (Instructions Page 52)
	r a renewal of a permit that contains an unbuilt phase or
phases?	
Yes 🗖 No	0 🗆
	ting permit contain a phase that has not been constructed being authorized by the TCEQ? o □
unbuilt phase. Failur	ailed discussion regarding the continued need for the re to provide sufficient justification may result in the ecommending denial of the unbuilt phase or phases.
	growth despit Mesril

Section 5. Closure Plans (instructions Page 55)
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  No
If yes, was a closure plan submitted to the TCEQ?
Yes □ No □
If yes, provide a brief description of the closure and the date of plan approval.
Section 6. Permit Specific Requirements (Instructions Page 53)
For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.
A. Summary transmittal
Have plans and specifications been approved for the existing facilities and each proposed phase?  Yes $\square$ No $\square$
If yes, provide the date(s) of approval for each phase:
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.
B. Buffer zones
Have the buffer zone requirements been met? Yes ☑ No □
Provide information below, including dates, on any actions taken to meet the

relevant to maintaining the buffer zones.

C. Other actions required by the current permit	
Does the <i>Other Requirements</i> or <i>Special Provisions</i> section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soi monitoring data, etc.  Yes  No No	1
If yes, provide information below on the status of any actions taken to mee the conditions of an <i>Other Requirement</i> or <i>Special Provision</i> .	t
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 No	ıt
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.	)
FRUM Ber Screen to Durysler	

3. Grit aisposai
Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?  Yes  No No
If No, contact the TCEQ Municipal Solid Waste team at 512-239-0000. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.
Describe the method of grit disposal.
4. Grease and decanted liquid disposal
Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-0000.
Describe how the decant and grease are treated and disposed of after grit separation.
MA
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 10
If <b>no to both of the above</b> , then skip to Subsection F, Other Wastes Received.

2. MSGP coverage

	vater runoff from the WWTP and dedicated lands for sewage ently permitted under the TPDES Multi-Sector General Permit 050000?
Yes □	
If yes, please Other Wastes TXR05	provide MSGP Authorization Number and skip to Subsection F, Received: or TXRNE
If no, do you	intend to seek coverage under TXR050000?
Yes □	No □
3. Conditio	onal exclusion
permitting ba	, do you intend to apply for a conditional exclusion from ased TXR050000 (Multi Sector General Permit) Part II B.2 or Multi Sector General Permit) Part V, Sector T 3(b)?  No □
If yes, please	e explain below then proceed to Subsection F, Other Wastes
Received:	
4. Existing	coverage in individual permit
Is your storm TPDES or TLA Yes □	water discharge currently permitted through this individual AP permit? No □
	le a description of stormwater runoff management practices at are authorized in the wastewater permit then skip to Subsection tes Received.
5. Zero sto	rmwater discharge
other means?	
Yes □	No □

If yes, explain below then skip to Subsection F. Other Wastes Received.
Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.
6. Request for coverage in individual permit
Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit? Yes $\square$ No $\square$
If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.
Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow

# F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

Yes □ No D
If yes, a Sewage Sludge Solids Management Plan is required. See Example 5 in the instructions.
G. Other wastes received including sludge from other WWTPs and septic waste
1. Acceptance of sludge from other WWTPs
Does the facility accept or will it accept sludge from other treatment plants at the facility site? Yes $\square$ No
If yes, attach sewage sludge solids management plan. See Example 5 of the instructions.
In addition, provide the date that the plant started accepting sludge or is anticipated to start accepting sludge, an estimate of monthly sludge
acceptance (gallons or millions of gallons), an estimate of the BOD5
concentration of the sludge, and the design $BOD_5$ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.
Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.
2. Acceptance of septic waste
Is the facility accepting or will it accept septic waste?
Yes □ No 🗹
If yes, does the facility have a Type V processing unit?
Yes □ No ⊅
If yes, does the unit have a Municipal Solid Waste permit?
Yes □ No △
If yes to any of the above, provide a the date that the plant started accepting septic waste, or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design

BOD<sub>5</sub> concentration of the influent from the collection system. Also note if

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO <sub>3</sub> ), mg/l					

# Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name:

Facility Operator's License Classification and Level:

Studgeret

Facility Operator's License Number:

# Section 9. Sewage Sludge Management and Disposal (Instructions Page 60)

# A. Sludge disposal method

Identify the current or anticipated sludge disposal method or methods from the following list. Check all that apply.

<u>A</u>	Permitted landfill
X	Permitted or Registered land application site for beneficial use
A	Land application for beneficial use authorized in the wastewater permit
	Permitted sludge processing facility
	Marketing and distribution as authorized in the wastewater permit
	Composting as authorized in the wastewater permit
	Permitted surface disposal site (sludge monofill)
	Surface disposal site (sludge monofill) authorized in the wastewater
	permit
DET.	Transported to another permitted wastewater treatment plant or permitted sludge processing facility. If you selected this method, a written statement or contractual agreement from the wastewater

treatment plant or permitted sludge sludge must be included with this a	1 0 / 1 0
□ Other:	
B. Sludge disposal site Disposal site name: TCEQ permit or registration number: County where disposal site is located:	SEE SNET LETTEN
C. Sludge transportation method  Method of transportation (truck, train, pipe,  Name of the hauler:	other):
Hauler registration number:	
Sludge is transported as a:	
Liquid $\square$ semi-liquid $\square$ se	mi-solid ⊄ solid □
Section 10. Permit Authorization (Instructions Page 60)	for Sewage Sludge Disposal
A. Beneficial use authorization  Does the existing permit include authorization sludge for beneficial use?  Yes  No	on for land application of sewage
If yes, are you requesting to continue this au sludge for beneficial use?  Yes □ No ☒	thorization to land apply sewage
If yes, is the completed Application for Perr Sewage Sludge (TCEQ Form No. 10451) atta the instructions for details)? Yes □ No □	
B. Sludge processing authorization	
Does the existing permit include authorization processing, storage or disposal options?  Sludge Composting	,
	Yes □ No ⊠ Yes □ No ⊠
Marketing and Distribution of sludge	169 FT 140 RG

Sl	udge Surface Disposal or Sludge Monofill	Yes □	
Te	emporary 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 <b>Domestic Wastewater Permit</b> Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)  attached to this permit application?  Yes □ No □			
Secti	on 11. Sewage Sludge Lagoons (l	nstruction	ns Page 61)
Do	oes this facility include sewage sludge lagoc	ns?	
Ye	es 🗆 No 💆		
If	yes, complete the remainder of this section	. If no, proce	eed to Section 12.
A.	Location information		
each r	ollowing maps are required to be submitted map, provide the Attachment Number. Original General Highway (County) Map:	as part of the	he application. For
	Attachment:		
•	USDA Natural Resources Conservation Serv	ice Soil Map	:
	Attachment:		
•	Federal Emergency Management Map:		
9	Attachment:		
•	Site map:		
<u> </u>	Attachment:		
Discus	ss in a description if any of the following ex	ist within th	ie lagoon area.
Check	all that apply.		
	Overlap a designated 100-year frequency	flood plain	
	Soils with flooding classification		
	Overlap an unstable area		
	Wetlands		
	Located less than 60 meters from a fault		
	None of the above		

Attachment:		
If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:		
B. Temporary storage information		
Provide the results for the pollutant screening of sludge lagoons. These result are in addition to pollutant results in Section 7 of Technical Report 1.0.  Nitrate Nitrogen, mg/kg:		
Total Kjeldahl Nitrogen, mg/kg:		
Total Nitrogen (=nitrate nitrogen + TKN), mg/kg:		
Phosphorus, mg/kg:		
Potassium, mg/kg:		
pH, standard units:		
Ammonia Nitrogen mg/kg:		
Arsenic:		
Cadmium:		
Chromium:		
Copper:		
Lead:		
Mercury:		
Molybdenum:		
Nickel:		
Selenium:		
Zinc:		
Total PCBs:		

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

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

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

C. Liner information
Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec? Yes $\square$ No $\square$
res L No L
If yes, describe the liner below. Please note that a liner is required.
D. Site development plan
Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

Attach the following documents to the application.

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

#### Attachment:

• Copy of the closure plan

#### Attachment:

• Copy of deed recordation for the site

#### Attachment:

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

#### Attachment:

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

#### Attachment:

• Procedures to prevent the occurrence of nuisance conditions

#### Attachment:

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 $\square$ No $\square$
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:
Section 12. Authorizations/Compliance/Enforcement (Instructions Page 63)
A. Additional authorizations
Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?  Yes  No  No
If yes, provide the TCEQ authorization number and description of the authorization:
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 $\square$ No $\square$
If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

# Section 13. RCRA/CERCLA Wastes (Instructions Page 63)

# A. RCRA hazardous wastes

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

Yes □ No 🏋

# B. Remediation activity wastewater

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

Yes □ No t

# C. Details about wastes received

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

Attachment:

# Laboratory Accreditation (Instructions Page 64)

poratory tests performed must meet the requirements of 30 TAC Chapter wironmental Testing Laboratory Accreditation and Certification, which des the following general exemptions from National Environmental ratory Accreditation Program (NELAP) certification requirements:

The laboratory is an in-house laboratory and is:

- o periodically inspected by the TCEQ; or o located in another state and is accredited or inspected by that
- performing work for another company with a unit located in the
- o performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not
- The laboratory supplies data for which the TCEQ does not offer

1e applicant should review 30 TAC Chapter 25 for specific requirements.

ne following certification statement shall be signed and submitted with every oplication. See the Signature Page section in the Instructions, for a list of esignated representatives who may sign the certification.

# LRTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

Accreditation and Company First Services	- C 1
Printed Name: Croses Erres	
Title:	
- Octo P	T.
Signature: Mar Pi, 7012	-
Date:	

# B. Sludge processing authorization

Identi	fy the sludge processing, storage or disposal options that will be
condu	cted at the wastewater treatment facility:
	Chidgo Composting

☐ Sludge Composting

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

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

Attachment:

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

Attach a solids management plan to the application.

Attachment:

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

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

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

# **DOMESTIC TECHNICAL REPORT WORKSHEET 2.0**

# RECEIVING WATERS

The following is required for all TPDES permit applications

# C. Sea grasses

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

	Yes □ No 🛣
If y	es, provide the distance and direction from the outfall(s).
e el emplemente de la companione de la c	
	n 3. Classified Segments (Instructions Page 73)
ls the d	ischarge directly into (or within 300 feet of) a classified segment?
~A ****	Yes □ No ⊅
551	this Worksheet is complete.
II no, c	omplete Sections 4 and 5 of this Worksheet.
Sectio	n 4. Description of Immediate Receiving Waters
	Instructions Page 75)
Nar	ne of the immediate receiving waters:
A. R	leceiving water type
Ide	ntify the appropriate description of the receiving waters.
×	Stream Stafford Run Creek
	Freshwater Swamp or Marsh
	Lake or Pond
	Surface area, in acres:
	Average depth of the entire water body, in feet:
	Average depth of water body within a 500-foot radius of discharge point, in feet:
	Man-made Channel or Ditch
	Open Bay
	Tidal Stream, Bayou, or Marsh

	Other, specify:
B. Fl	low characteristics
followin characte characte	am, man-made channel or ditch was checked above, provide the ag. For existing discharges, check one of the following that best erizes the area <i>upstream</i> of the discharge. For new discharges, erize the area <i>downstream</i> of the discharge (check one).
R	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
	he method used to characterize the area upstream (or downstream for chargers). USGS flow records
Ø	Historical observation by adjacent landowners
Á	Personal observation
	Other, specify:
C. D	ownstream perennial confluences
	names of all perennial streams that join the receiving water within iles downstream of the discharge point.
	Oyster Creek
D. D.	ownstream characteristics
	eceiving water characteristics change within three miles downstream of
	harge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?  Yes \( \sigma \) No \( \sigma \)
If yes, d	iscuss how.  OC MUST / Suger stream  Usually has flow
	Usually has flow

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			r body during normal dry weather
	dry		
Date ar	nd time of observation:		Various fer 30 years
			water runoff during observations?
	Yes ⊅ No □		
	n 5. General Charact Page 74)	eristics	of the Waterbody (Instructions
	Jpstream influences		
Is the i	- mmediate receiving wate	r upstrea of the f	om of the discharge or proposed ollowing? Check all that apply.
	Oil field activities	Ki	Urban runoff
×	Upstream discharges	X	Agricultural runoff
A	Septic tanks		Other(s), specify
B. V	Vaterbody uses		
Observ	ed or evidences of the fo	llowing u	ises. Check all that apply.
	Livestock watering		Contact recreation
	Irrigation withdrawal		Non-contact recreation
	Fishing		Navigation

	Domestic water supply		Industrial water supp	9.50	~
	Park activities		Other(s), specify	drawa	₩ <sup>-3</sup>
C. V	Vaterbody aesthetics				
	eck one of the following that eiving water and the surrour			es of the	
	Wilderness: outstanding na area; water clarity exception		beauty; usually woode	d or unpasture	ed
A	Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored				
	Common Setting: not offen be colored or turbid	sive;	developed but unclutte	ered; water ma	У
	Offensive: stream does not developed: dumping areas			ed; highly	

# **DOMESTIC TECHNICAL REPORT 1.1**

The following is required for new and amendment applications

# Section 1. Justification for Permit (Instructions Page 66)

A. Justification of permit need
Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of
the proposed phase(s) or permit.
APPLICANT REPORTS THAT NEIGHBORING WASTEWATER PURVEYOR HAS NOT PROVIDED A FEASIBLE PLAN FOR CONNECTING
B. Regionalization of facilities
Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:
1. Municipally incorporated areas
If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.
Is any portion of the proposed service area located in an incorporated city?  Yes □ No A Not Applicable □
If yes, within the city limits of:
If yes, attach correspondence from the city.
Attachment:
If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.
Attachment:
2. Utility CCN areas
Is any portion of the proposed service area located inside another utility's CCN area?  Yes   No □

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

Attachment: See Attach 5

# 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 that includes the permittee's name and permit number, and an area map showing the location of these facilities.

Attachment: see Attack 5

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

Attachment: See Attach 5

Does a permitted domestic wastewater treatment facility or a collection system located within three (3) miles of the proposed facility currently have the capacity to accept or is willing to expand to accept the volume of wastewater proposed in this application?

Yes | No | DON'T KNOW

If yes, attach an analysis of expenditures required to connect to a permitted wastewater treatment facility or collection system located within 3 miles versus the cost of the proposed facility or expansion.

Attachment:

# Section 2. Organic Loading (Instructions Page 67)

Is this facility in operation?

Yes □ No 🗡

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

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

# A. Current organic loading

Facility Design Flow (flow being requested in application):

Average Influent Organic Strength or BOD5 Concentration in mg/l:

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

Average Influent Loading (lbs/day = total average flow X average BOD5 conc. 2

## 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		
Subdivision		
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 Aparthuntz	0.06	300
TOTAL FLOW from all	0.06	
sources	0.06	
AVERAGE BOD₅ from all		300

Source	Total Average Flow	Influent BOD5
Source	(MGD)	Concentration (mg/l)
sources Apatrente		300

# Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 68)

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

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

10

Total Suspended Solids, mg/l:

15

Ammonia Nitrogen, mg/l:

3

Total Phosphorus, mg/l:

.\_\_\_\_

Dissolved Oxygen, mg/l:

4

Other:

### B. Interim II Phase Design Effluent Quality

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

Total Suspended Solids, mg/l:

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l:

Other:

# C. Final Phase Design Effluent Quality

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

Total Suspended Solids, mg/l:

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l:

Other:

#### D. Disinfection Method

Identify the proposed method of disinfection.

<b>-</b>	Chlorine: time at peak flow	/	mg/l after		20	minutes detention
	Dechlorination proces	38:				
	Ultraviolet Light:		seco	onds contact tir	me at pe	eak flow
	Other:					
	4 D : C1-1		7:	D (9)		
ection	4. Design Calculations and p				Fyamr	ale 4 of the
	ons includes sample desi				Damp	ore vor the
	Attachment:	3				
ection	5. Facility Site (I	nstructi	ons Page 6	8)		
A. 1	00-year floodplain					
Wil	I the proposed facilities I		above the 10	0-year frequen	cy floo	d level?
sho	o, describe measures use wing the location of the licable, provide the size	treatment	plant within t	he 100-year fro		record as any
	MECH EQUIP	AND BA	SIN SIDEWA	ALLS ABOVE	FP LE	VEL
Pro	vide the source(s) used to	o determin	ne 100-year fr	equency flood	plain.	
	FEMA MA	<u>7P</u>				
For	a new or expansion of a Yes □ No	facility, v	vill a wetland	or part of a we	tland b	e filled?
If y	es, has the applicant app Yes □ No		US Corps of	Engineers 404	Dredge	and Fill Permit?
If y	es, provide the permit nu	mber:				
If n	o, provide the approxima	ate date yo	ou anticipate	submitting you	r applic	cation to the Corps:

#### B. Wind rose

Attach a wind rose. Attachment:

14

# Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 69)

# A. Beneficial use authorization Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit? Yes \(\Boxed{\text{No}}\) No \(\Boxed{\text{No}}\) If yes, attach the completed Application for Permit for Beneficial Land Use of Sewage

It yes, attach the completed Application for Permit for Beneficial Land Ose of Sewage Sludge (TCEQ Form No. 10451)

Attachment:

# B. Sludge processing authorization

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

Sludge	Composting
Siddge	Composing

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

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

Attachment:

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

Attach a solids management plan to the application.

Attachment:

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

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

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

instructions.

# **DOMESTIC TECHNICAL REPORT WORKSHEET 2.0**

#### **RECEIVING WATERS**

The following is required for all TPDES permit applications

Section 1. Domestic Drinking Water Supply (Instructions Page 73)
Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?  Yes  No  No  No  No  No  No  No  No  No  No
If yes, provide the following: Owner of the drinking water supply:
Distance and direction to the intake:
Attach a USGS map that identifies the location of the intake.
Attachment:
Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)
Does the facility discharge into tidally affected waters?
Yes D No D
If yes, complete the remainder of this section. If no, proceed to Section 3.
A. Receiving water outfall
Width of the receiving water at the outfall, in feet:
B. Oyster waters
Are there oyster waters in the vicinity of the discharge?
Yes □ No □
If yes, provide the distance and direction from outfall(s).
C. See amount
C. Sea grasses  Are there any sea grasses within the vicinity of the point of discharge?
The more any sea grasses within the vicinity of the point of discharge:

	Yes \( \square \text{No } \)
If ye	s, provide the distance and direction from the outfall(s).
Section	3. Classified Segments (Instructions Page 73)
S TOWNSON SWA	charge directly into (or within 300 feet of) a classified segment?
	Yes □ No 🎢
If yes, thi	s Worksheet is complete.
If no, con	mplete Sections 4 and 5 of this Worksheet.
Section	4. Description of Immediate Receiving Waters (Instructions Page 75)
	e of the immediate receiving waters:
A D	againing water type
	eceiving water type ify the appropriate description of the receiving waters.
X	Stream
/ `	Frachsyotar Syyamp or March
	Freshwater Swamp or Marsh
	Lake or Pond
	Surface area, in acres:
	Average depth of the entire water body, in feet:
	Average depth of water body within a 500-foot radius of discharge point, in feet:
J	
<b>X</b>	Man-made Channel or Ditch
	Open Bay
	Tidal Stream, Bayou, or Marsh
	Other, specify:

B. Flow characteristics	
If a stream, man-made channel or ditch was discharges, check one of the following that For new discharges, characterize the area of Intermittent - dry for at least one	ts checked above, provide the following. For existing t best characterizes the area <i>upstream</i> of the discharge. downstream of the discharge (check one). the week during most years
Intermittent with Perennial Pool significant aquatic life uses	s - enduring pools with sufficient habitat to maintain
☐ Perennial - normally flowing	
Check the method used to characterize the USGS flow records	area upstream (or downstream for new dischargers).
Historical observation by adjace	ent landowners
☐ Personal observation	
☐ Other, specify:	
C. Downstream perennial confluen	ces
List the names of all perennial streams the downstream of the discharge point.	at join the receiving water within three miles
GOAT RANCH BRANCH	
D. Downstream characteristics	
(e.g., natural or man-made dams, ponds, 1 Yes □ No	inge within three miles downstream of the discharge reservoirs, etc.)?
If yes, discuss how.	

# E. Normal dry weather characteristics

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

	FLOWING		
Date and	I time of observation:	ly,	10/19
Was the	water body influenced by stormwa	ter ru	noff during observations?
	Yes, No □		
Section	15. General Characteristic	s of	the Waterbody (Instructions Page 74)
A. U	Upstream influences		
Is the in	· ·		discharge or proposed discharge site influenced
	Oil field activities		Urban runoff
	Upstream discharges		Agricultural runoff
	Septic tanks		Other(s), specify DRAINACE
	Waterbody uses and or evidences of the following use	e Ch	eck all that apply
Observe	a of evidences of the following use	.s. CII	
	Livestock watering		Contact recreation
	Irrigation withdrawal		Non-contact recreation
	Fishing		Navigation
	Domestic water supply		Industrial water supply
	Park activities		Other(s), specify DITAINACE
Che	Waterbody aesthetics  eck one of the following that best decounding area.	escrib	es the aesthetics of the receiving water and the
	Wilderness: outstanding natural be	eauty	y; usually wooded or unpastured area; water

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

TABLE OF CONTENTS.....ATTACHMENTS to TPDES APPLICATION

TPDES APPLICATION & WWTP DESIGN.. AUG.'19 70 Ac Dev MONTGOMERY Co MICHEAL KARI.. OWNER

- 1. USGS QUAD
- 2. DOWNSTREAM & SURROUNDING LANDOWNERS
- 3. DESIGN INFORMATION
  - a. CALCULATIONS
  - b. PLAN
  - c. FLOW DIAGRAM
- 4. SLUDGE MGMT PLAN
- 5. REGIONALIZATION
- 6. PHOTOS a. GROUND b. AERIAL
- 7. FEMA FRAME
- 8. SUDGE LETTER
- 9. Library Letter
- 10. FLOW JUSTIFICATION
- 11. SITE PLAN
- 12. CORE DATA FORM
- 13. DEED
- 14. WIND ROSE
- 15. RELIABILTY
- 16. FORBIDDEN FEATURES
- 17. FRANCHISE TAX INFO & OTHER FINANCIAL
- 18. letter from ENGINEER for DRAINAGE DISTRICT
- 19. GPS DATA 20. BUFFER PLAN

O o star



ATTACH 2 Landows Ners 1=800' EDIN to Houtgo keary Bookin ARADISCH Mound creek

IT DES AFFLICATION & WWTP DESIGN... >70 Ac Dev MONTGOMERY Co MICHEAL KARI.. OWNER

ATTACH 3- )

Lew Ps



## WWTP CAPACITY CALCULATIONS

AUG.'19

GEORGE H NEILL & ASSOC., INC. FIRM 2566

## A. AERATION BASIN

( assume stage 1 nit act sludge )

- 1. Qavg daily 0.06 MGD...... ORG LOADING 300ppm x 8.34 x 0.06= 150# / DAY BOD5
- 2. CRITERIA

35#/DAY / 1000 FT3

- 3. CALCULATED REQMNT
  - ... 4280 FT3
- 4. PROVIDED 5418 FT3

## B. CLARIFIER

1. Q avg daily 0.06 MGD - 60,000 gpd Qpk - 240,000 gpd

- 2. CRITERIA 800 FT2 / GPD...... Qpk /Qavg = 4
- 3. CALCULATED reqmnt ... 240,000 gpd / 800 gpd / ft2 = 300 FT2
- 4 PROVIDED ..... 20' DIAM ...or 314 FT2

# C. CHLORINE CONTACT BASIN

- 1. Q avg daily 0.06 mgd... Qpk 240,000 gpd... 167 gpm
- 2. CRITERIA.. 20 MIN Td @ Qpk.....
- 3. CALCULATED CAPACITY.. 167 GPM X 20 min Td = 3340 gal... or 445 ft3 reqd
- 4. PROVIDED 600 FT3...... 5' ( nom ) X 12' X 10' SWD

# D. DIGESTER ( dual units )

- 1. Qavg 0.06 MGD.. 100 # BOD5 ORGANIC LOADING
- 2. CRITERIA ... 20 FT3 / #BOD /DAY
- 3. CALCULATED CAPACITY ... 100 #BOD5 X 20 = 2000 FT3
- 4. PROVIDED 2 COMPARTMENTS, EA AT 1920 FT3

Attach 3 **TPDES APPLICATION &** WWTP DESIGN.. 70 Ac Dev MONTGOMERY Co MICHEAL KARI.. OWNER 12 N ∵. √;⁄z.. Aeration Digester Parlyans Clarifiér... AUG:19
Rim 7566 PLANT EFFEURAT Chlor Contact .. 11.200

20'

ñ. -

Jon Niermann, Chairman Emily Lindley, Commissioner Bobby Janecka, Commissioner Toby Baker, Executive Director

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 2, 2020

George H. Neill, P.E. GEORGE H. NEILL & ASSOCIATES, Inc. P.O. Box 811 Athens, TX 75751

Re:

A & M Interests Inc 60,000 GAL/DAY WWTP Permit No. WQ0015819-001 WWPR Log No. 0220/007 CN600743694, RN110846797 Montgomery County

Dear Mr. Neill:

On January 31, 2020, TCEQ received the project summary transmittal letter dated January 25, 2020 for the installation of a new wastewater tratment plant for A&M Interests Inc. in Montgomery County, Texas. The treatment plant submitted for review used a treatable average daily flow of 0.060 MGD with a corresponding 0.24 MGD peak daily flow as design parameters. The plant is currently progressing through the permitting process to obtain Water Quality permit WQ0015819001. The proposed draft permit is written with effluent concetration limits of 10 mg/l for CBOD<sub>5</sub>, 15 mg/l for TSS, 2 mg/l for NH<sub>3</sub>-N and 63 cfu/100 ml for E. coli, with a minimum dissolved oxygen concentration of 4.0 mg/l. The crific treatment units which will comprise the steel package plant are listed below.

The rules which regulate the design, installation and testing of domestic wastewater projects are found in 30 TAC, Chapter 217, of the Texas Commission on Environmental Quality (TCEQ) rules titled, <u>Design Criteria for Wastewater Systems</u>.

The plant being installed will be comprised of the following:

- 1 aeration basin, 11" x 37' x 10.5' SWD; 4,274 ft<sup>3</sup> of volume
- 1- 16' diameter round secondary clarifier, 10.5' SWD
- 1 chlorine contact basin, 2.84' x 16' x 9.9' SWD; 450 ft<sup>3</sup> volume
- 2 aerobic sludge digesters, 13' x 11' x 10.5' SWD
- 2 250 SCFM blowers

The TCEQ review of the submitted project information seems to indicate that the project as designed will meet at least the minimum requirements of 30 TAC Chapter 217: <u>Design Criteria for Wastewater Systems</u>. Given the result of the TCQ review this project is conditionally approved for completion based on the following conditions.

George H. Neill, P.E Page 3 March 2, 2020

If you have any questions, or if we can be of any further assistance, please call me at (512) 239-

Sincerdy, Carlo

Paul A. Brochi, P.E. Wastewater Permits Section (MC 148) Water Quality Division Texas Commission on Environmental Quality

PAB/tc

Jon Niermann, Chairman Emily Lindley, Commissioner Bobby Janecka, Commissioner Toby Baker, Executive Director

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Sircerdy, landa landa

Paul A. Brochi, P.E. Wastewater Permits Section (MC 148) Water Quality Division Texas Commission on Environmental Quality

PAB/tc

TPDES APPLICATION & WWTP DESIGN.. AUG.'19
70 AC DEV MONTGOWERY COMICHEAL KARL. OWNER



MACHEL 14 4 STITLE

114131

- 1. TYPE PROCESS- EZE ARDED ELLER UN ACTIVATED ULUDGE
- 2. DIGESTION, OR ELUDGE HOLDING, IS LONE IN A [16.] 76 BASIN. ALL FIS ALE USED FOL MASTING I ROM THE CLARIFIES. A PROCESS SCHEMAL IC IS PAUT OF THIS APPLICATION.
- 3. SLUDGE PLODUCTION RA' ES-SHE UP 2
- 4. CONCENTRATION IN THE ABLIATION BASIN IS 3500 FROM LINESS
- 5. SLUDUE HAMDLING-
  - A. WASTING SLUDGE MLSS IS GENERATED IN THE ALMAYLUN BASIN, AND ALLO JED TO SELTLE IN THE
    CLARIFIER. CONE-SHAPE DILLC'S THE CLARIFILM ULBILLUM TO THE CENTER
    AREA WHERE A DRAIM IS CONNECTED TO ALLDITIS WALTED SLUDGE (WAS)
    IS THEN DIRECTED TO THE SLUDGE HOLDING TANK FOR THICKINING (HEOME
    DIGESTION). HOLDING TANK SUPERNALLING TO ABLATION, WELLE
    THE CONCELTRATE IS LENGLICALLY EVACUATED WAS VACUUM TRUCK, AND WAS
    IS HAULED / LIBTURED BY LICENCE JOERS.
- 6, REN. OVAL FREQUENCIES SEE pp 2.
- 7. SLUDĞE DILYUSAL-

ALTS NATIVESENVIRORGE LLS, A CERTIFIED LEGILLE DE LEGILLE DE LEGILLE SITES.

EL JUNGE TO BE LIME STABLE LA DE LEGILLE DE TRANS. CHIEN LONG SAFTRUCK
EN LIQUID FORM. LAND APPLICATION & LOGIC FELL. IL LYNON SET LEGILLE LA LICUITATION CONTRACTOR

CLALDWELLS, AND ALE IN BLIFTIMA LOGIC FY LOGIC BLOCK IN B. 1.

RECORDS INCLUDING TIME, DATE, WEIGHT OF WHIST DISLULGE TO BE REFT ON FILE AT THE LICENSEE'S OFFICE WITH COPIES TO BE LIGHT AT THE THOPOMED WITH SITH WITH COPIES OF THE PLANKT, FILES, AND UM RECORDS.

NOTE: ESTIMATE OF DRY WEIGHT OF SLUDGE HAULED...

GAL. WASTED X 8.34( #/GAL) X 0.007\* = # DAY WT OF HADLED SUUDGE

\* BASED ON 7000 ppm. USE LAB RESULTE CA., LS. IN RAS, IF AVALLABLE.

TRUCKS TO BE WEIGHED, AND COMPARED TO TARE FOR ACCURATE CHECK.

TPAES# 5015678-

### DAILY SLUDGE PRODUCTION

∹...

FLOWS	5 gs	100%	75%	50%	25% MERESTA
		0.06 MGD	0.045MGD	0.03 MGD	
		) ) ii			
# BOD REMOVED/DAY 0.06 X 8.34 X 290	74	145	108	93	41
# DRY SLUDGE/DAY		115	86	58	29
# WET SLUDGE/DAY		2116	1586	1058	529
VOL WET SLUDGE (GPD)		254	190	128	64
VOL FROM DIGESTER	WW.	60	45	30	15
IF WASTE IS 6,000 GAL FREQ IS ONCE IN — DA	YS	100	150	* 200	1300

<sup>\*</sup> NOTE: WE DON'T RECOMMEND HAUL FREQUENCY MORE THAN 180 DAYS

A & M INTERESTS, INC -217 SUMMARY 65,000 GAL/DAY WWTP...TPDES WQ 001 5819-001 MONTGOMERY CO.. JAN 25, '2020 **TPDES APPLICATION &** WWTP DESIGN... 70 Ac Dev MONTGOMERY Co MICHEAL KARI.. OWNER

PWS & TPDES APPLICATIONS AUG.'19

#### **REGIONALIZATION**

WATER

PWS WAS FOUND WITHIN 1/2 MI OF PROPOSED WELL - See below

**WASTEWATER** 

NO PUBLIC WASTEWATER PURVEYOR WAS FOUND WITHIN 3 MILES OF PROPOSED WWTP

· See attached -



Altade 5

November 29, 2005

A&M Interest Inc. Michael Karimaghaei 1519 North Frazier St. Conroe, Texas 77301-1817

Ref; Utility easement

Mr. Karimaghaei,

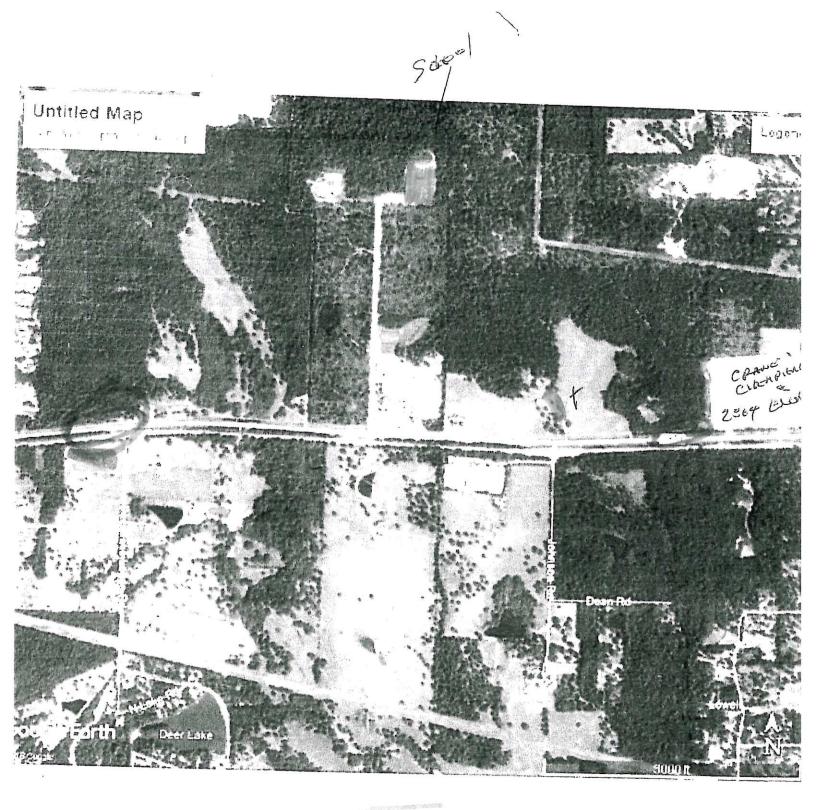
Thank you for taking the time to meet with me this morning. It was a pleasure to meet you and learn about your future plans in reference to your property adjacent to the new Montgomery Elementary school on F. M. 2854. We are always pleased to hear of future growth for our community as we look to help foster growth in the right direction. After visiting this morning I came away with the impression that both of our organizations share a common vision of cooperation.

Per our conversation at our meeting and your request, this letter is to confirm our commitment to your organization as it pertains to the future development of your land holdings adjacent to the new school. Mid South prides itself as an organization formed by people with a common vision to fulfill the needs of an existing and growing community. As we desire to move forward with the building of a wastewater treatment facility to serve the new school and eventually the surrounding area, an easement is needed for us to extend facilities crossing your property tying in to our new plant. With this easement in place, facilities would be available on your land to allow future extension of facilities within your planned development. It is our desire to be able to serve your new development, but in order to serve we must give this idea the proper planning that is required. It is imperative we are kept abreast of any new information as to when your plans will take action, as we will need ample time to amend our permits, perform cost estimations and forward any necessary pricing proposals to your firm that will enable us to serve you with any necessary expanded facilities from what is currently planned for construction in the area we are discussing.

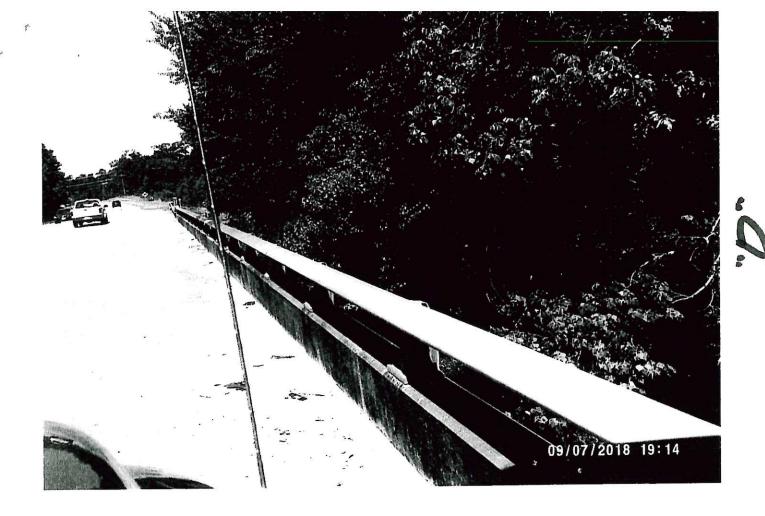
Mid South appreciates your consideration in this matter and looks forward to receiving the completed easement as well as working with you on future

Attach 6 Wey to Motos The state of the s (1574) 7,0052 4,000 B 1500

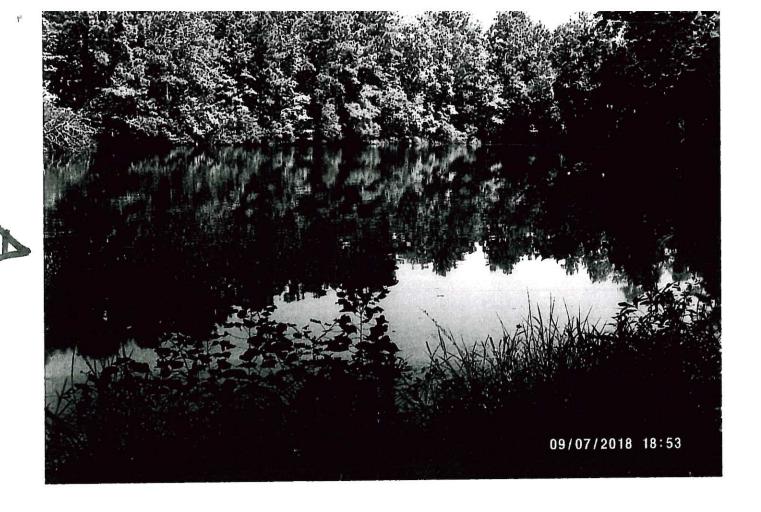
Attach 6



SITE OF PROPERTY



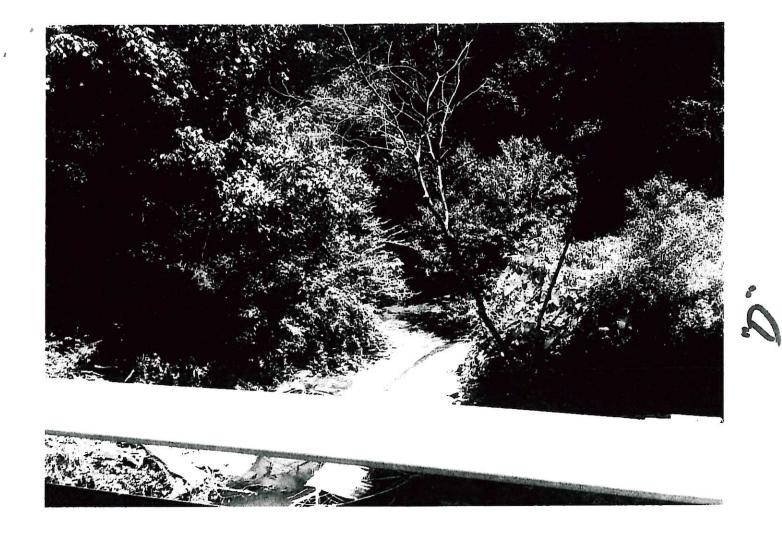


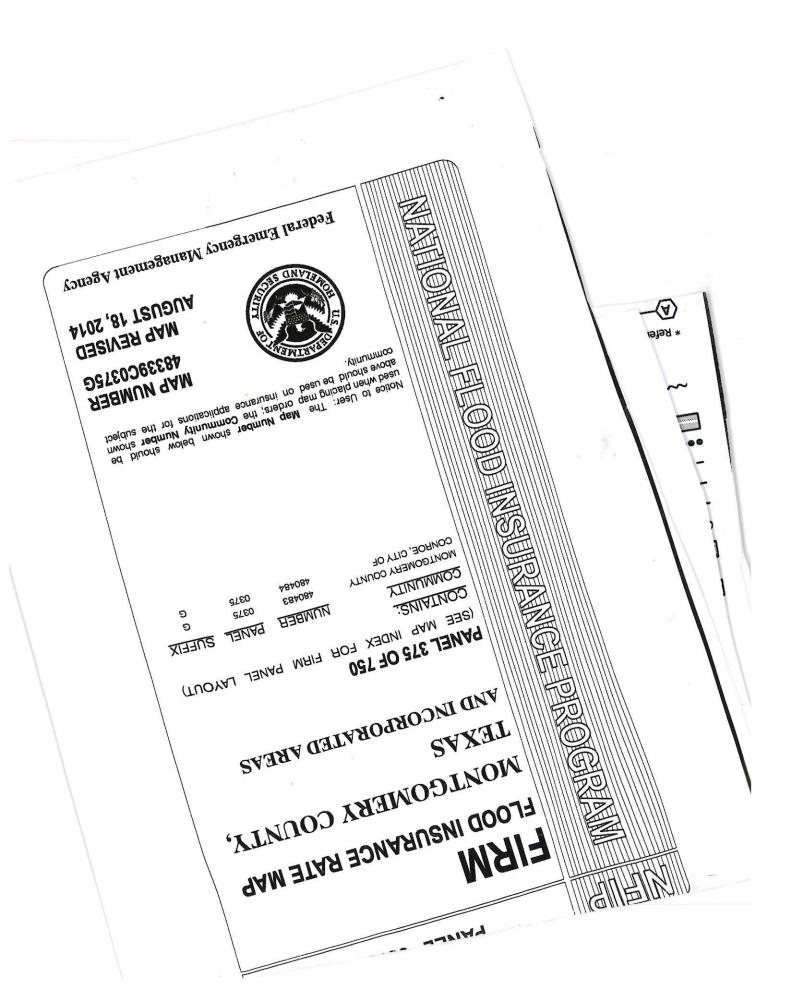
















TPDES APPLICATION &
WWTP DESIGN...
70 Ac Dev MONTGOMERY CO
MICHEAL KARI.. OWNER

AUG.'19

Liquid Sludge removed from permitted WWTP's is transported to Mount Houston WWTP (WQ0011154001) via 7000 gallon tanker trailers (transporter permit #21484) for processing (WQ 0005023000).

A belt press is use to dewater the liquid sludge. At the completion of the belt press the solids are discharged to end dumps via conveyor, discharge solids is approximately 16%. Decant water is returned to the lift station that feeds the head of the plant. All cake is transported vie end dump trailers to a TCEQ permitted disposal site. Currently, Magna Flow is utilizing McCarty Road Landfill, permit number 261-B.

A second option for removal of sludge from permitted WWTP's is Mobile Dewatering Trailers or Belt Press, liquid sludge is pumped in to mobile dewatering trailers or Belt Press, dewatered onsite to a semi liquid state and transported (transporter #21484) to a TCEQ Permitted Landfill. (McCarty #261-B, Atascocita #1307-B).

Jerry McCurtain

Vice President Magna Flow Environmental -LIBRARY LETTER

ATTACHE

GEORGE H NEILL & ASSOC., INC. firm 2566

P.O. BOX 512

STAFFORD, TEXAS 77477

RE: WASTEWATER TREATMENT PLANT FOR

LIBRARIAN

**TPDES APPLICATION &** WWTP DESIGN.. AUG.'19 70 Ac Dev MONTGOMERY Co MICHEAL KARI.. OWNER

GENTLEMEN:

TXCEQ RULES REQUIRE THAT TPDES APPLICATIONS BE SENT TO A NEARBY PUBLIC BUILDING FOR POSSIBLE VIEWING BY THE PUBLIC.

PLEASE HELP US BY DISPLAYING THIS APPLICATION .

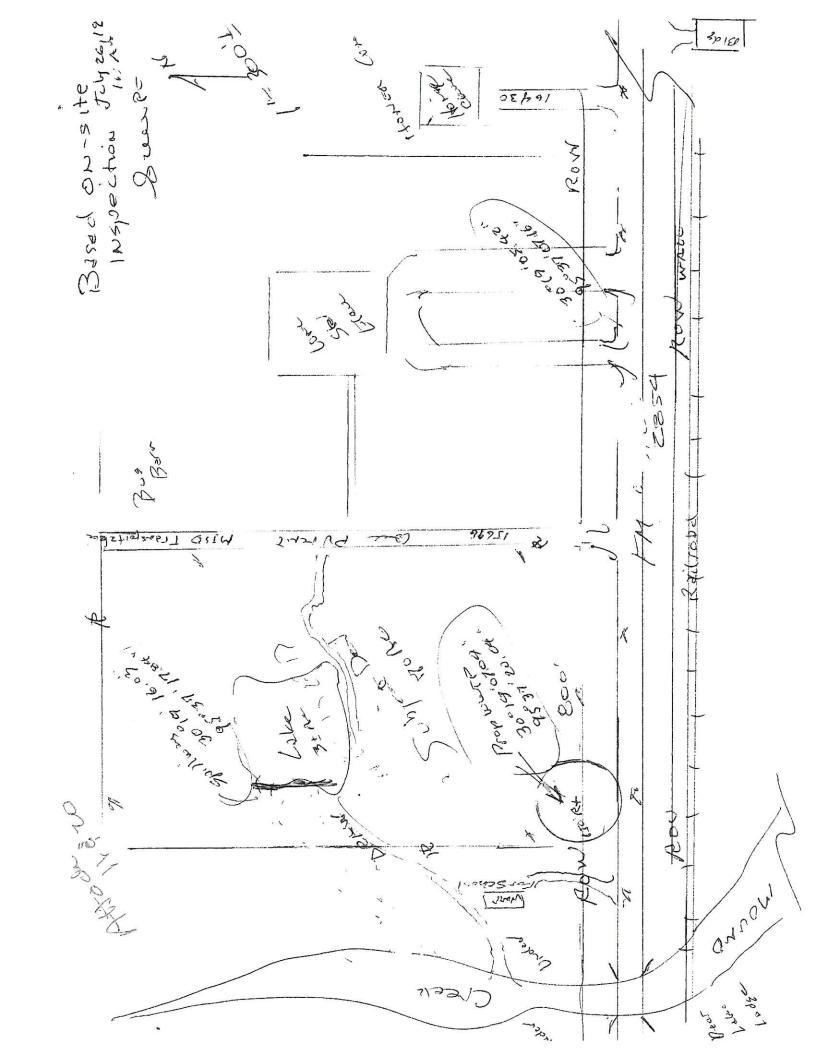
FROM TIME-TO-TIME, WE MAY BE SENDING RELATED DOCUMENTS TO BE ADDED TO THIS PACKAGE.

THANK YOU.

GEORGE H NEILL, P.E.

281 450 7647

Attach _10 Flow Justifica	ation
300 appartments @ 220 gpd/ea = ( includes office, club hse, and Laund	
Possible commercial	1,500 gpd
Total	67,500 gpd



8913432

THE STATE OF TEXAS
COUNTY OF MONTGOMERY

#### 588-01-2343

KNOW ALL MEN BY THESE PRESENTS:

THAT I,DR. DAN GOODRICH MCNAMARA, not joined herein by my wife for the reason that the property conveyed forms no part of our homestead, either residential or business - - of the County of Harris - - and State of Texas, (hereinafter called "GRANTORS" whether one or more) for and in consideration of the sum of Ten and No/100 (\$10.00) Dollars and other good and valuable considerations cash in hand paid by A & M INTERESTS, INC., a Texas corporation- - \_ \_ \_ hereinafter called "GRANTEES" whether one or more), the receipt and sufficiency of which are hereby acknowledged and confessed, and the further consideration of the sum of CNE HUNDRED THOUSAND AND NO/100 (\$100,000.00) - - -

Dollars in hand paid by NATIONAL BANK OF CONROE, - - - (hereinafter referred to as "BENEFICIARY"), at the special instance and request of the Grantees herein, the receipt of which is hereby acknowledged and confessed, and as evidence of such advancement, the said Grantees herein have executed their Note of even date herewith for said amount payable to the order of said Beneficiary, bearing interest at the rate therein provided, principal and interest being due and payable in monthly installments as therein provided, commencing on May 4, 1989 - -

reference to which is here made for all purposes; and in consideration of the payment of the sum above mentioned, Grantors hereby TRANSFER, SET OVER, ASSIGN and CONVEY unto said Beneficiary and assigns, the Vendor's Lien and Superior Title herein retained and reserved against the property and premises herein conveyed, in the same manner and to the same extent as if said Note had been executed in Grantors' favor and by said Grantors assigned to the Beneficiary without recourse; have GRANTED, SOLD and CONVEYED, and by these presents do GRANT, SELL and CONVEY, unto the said A & M INTERESTS, INC., a Texas corporation ——

#### of the County of

-and State of Texas, all that certain tract or parcel of land, together with all improvements thereon, lying and being situated in the County of Montgomery - - and State of Texas, described as follows, to-wit:

BEING 98.1407 acres of land situated mostly in the ALFRED DUTCHER SURVEY, A-167, and the easterly portion in the PETER CARTWRIGHT SURVEY, A-124, Montgomery County, Texas, and being more particularly described by metes and bound on EXHIBIT "A" attached hereto and made a part hereof for all purposes.

RECORDER'S MEMORANDUM
ALL BLACKOUTS, ADDITIONS AND
CHANGES WERE PRESENT AT THE TIME
THE INSTRUMENT WAS FILEDWAND RECORDER.

Aldad 3

RECORDER'S MEMORIANDUM
ALL BLACKOUTS, ADDITIONS AND
CHANGES WERE PRESENT AT THE TIME
THE INSTRUMENT WAS FILED AND RECORDER,

THIS CONVEYANCE IS MADE AND ACCEPTED SUBJECT TO THOSE CERTAIN COVENANTS AND CONDITIONS AS SET FORTH ON EXHIBIT "B" ATTACHED HERETO AND MADE A PART HEREOF.

ide and accepted SUBJECT to any and all validstanding mineral and/or royalty interests in the oil, gas and other minerals, and leases thereon, now outstanding or affecting the premises herein conveyed, now of record in the County Clerk's office of County Tayon but only to the extent they are still in force and affect. TO HAVE AND TO HOLD the above described premises, together with all and singular the rights and appurtenances thereto in anywise belonging unto the said A & M INTERESTS, INC., a Texas corporation, its - - successors - and assigns, forever; and I do hereby bind myself, my heirs, - - executors and administrators, to WARRANT and FOREVER DEFEND, all and singular the said premises unto the said A & M INTERESTS, INC., a Texas corporation - - -- - - its successomersand assigns, against every person whomsoever lawfully claiming, or to claim the same, or any part thereof. But it is expressly agreed and stipulated that the Vendor's Lien and Superior Title is retained against the above described property, premises and improvements, until the above described (Note and all interest thereon is fully paid according to its face and tenor, effect and reading, when this Deed shall become absolute, day of April, ---19 89. EXECUTED this 4th MAILING ADDRESS OF GRANTEE: SINGLE ACKNOWLEDGMENT

THE STATE OF TEXAS
COUNTY OF MONTGOMERY

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared DR. DAN GOODRICH MCNAMARA, - - -

known to me to be the person whose name is === subscribed to the foregoing instrument, and acknowledged to me that  $\cdot$  he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 4th day of April --- A. D. 19 89.

V.

-0.495055

588-01-2345

124-2

### Precision Survey Services

1712 N. Frazier, Suite 208 P.O. Box 2264 Conroe, Texas 77305

BURTON W. BUFFAMANTE REGISTERED PUBLIC SURVEYOR PH. # (409) 839-8121 FAX # (409) 756-6329 TELEX 209 683 808 UR

EXHIBIT "A" Page 1 of 2

METES AND BOUNDS 98.1407 Acres Alfred Dütcher Survey A-167 Peter Cartwright Survey A-124 Montgomery County, Texas

Being 98.1407 acres of land situated mostly in the Alfred Dutcher Survey A-167, and the easterly portion in the Peter Cartwright Survey A-124, Montgomery County, Texas and being the land described in deed dated April 27, 1960, conveyed from Wayne E. Broyles and wife L.Helen to Dr. Dan G. McNamara and wife Ann Wier McNamara recorded in Volume 481, Page 562 of the Deed Records and being the same land conveyed to Houston-Citizens Bank and Trust Co., dated October 28, 1971 recorded in Volume 754, Page 872 of the Deed Records of Montgomery County, Texas, said 98.1407 acres being more particularly described as follows:

BEGINNING at a concrete right-of-way marker found for the southwest corner of the herein described tract, on the north right-of-way line of F.M. Highway 2854, Texas Highway Department station 487+65.93;

THENCE North 0±17'00" East, leaving said highway along a fence, the east line of Charles Alton Gibbs 200 acres recorded in Volume 254, Page 639 of said Deed Records, a distance of 2622.75 feet, to a fence corner post found for the northwest corner of the herein described tract;

THENCE North 89°31'40" East, along a fence, the south line of the Willford Cartright Survey A-149, a distance of 1589.56 feet, to a fence corner post found for the northeast corner of the herein described tract;

THENCE South 0°07'54" East, along a fence the east line of the Alfred Dutcher Survey A-167, crossing a 100 feet Gulf States Utilities Co. Easement, a total distance of 744.37 feet, to a 1/2 inch iron rod found for the northwest corner of the second tract described in Volume 481, Page 562 of the Deed Records:

THENCE South 81°19'54" East, along a fence, a distance of 12.74 feet, to a fence corner post found for corner;

THENCE South 0°23'34" West, along a fence 12 feet more or less east of the east line of the Alfred Dutcher Survey A-167, a distance of . 1943.94 feet, to a 3/4 inch iron pipe found on the north right-of-way line of Old Highway 105 also the north right-of-way line of F.M. Highway 2854, for the southeast corner of the herein described tract;

THENCE South 87°48'45" West, along the north right-of-way line of F.M. Highway 2854, a distance of 219.34 feet, to a concrete right-of-way marker for angle point;

D.G.M.

## Precision Survey Services

588-01-2346

1712 M. Frazier, Suite 205 P.O. Box 2264 Conroe, Texas 77305

BURTON W. BUFFAMANTE REGISTERED PUBLIC SURVEYOR

EXHIBIT "A"

Page 2 of 2

PH. # (409) 539-5121 FAX # (409) 756-6329 TELEX 288 683 SOS UR

THENCE North 88°10'00" West, continuing along the north right-of-way line of F.M. Highway 2854, recorded in Volume 718, Page 257, a distance of 859.57 feet, to a 1/2 inch iron rod set for angle point;

THENCE North 84°39'05" West, a distance of 131.85 feet to a concrete right-of-way marker;

THENCE North 86°56'46" West, a distance of 65.98 feet, to a concrete right-of-way marker;

THENCE North 86°36'34" West, a distance of 328.56 feet, to the POINT OF BEGINNING, containing within these metes and bounds 98.1407 acres of land.

Pog.Ma.

B.W.BUFFAMANTE

Sula N. Samuel Burton W. Buffamanty R.P.S. 12063

#### 588-01-2347

#### EXHIBIT "B"

The reservation of an undivided 1/2 interest in and to all oil, gas and other minerals in and under the herein described property, as set out in Deed from Wayne E. Broyles and wife, L.Helen Broyles and Martha Sue Broyles to Dr. Dan G. McNamara et ux, Amn Wier McNamara dated April 27, 1960, recorded in Volume 481, Page 562 of the Deed Records of Montgomery County, Texas (as to 99.04 acres of land, more or less).

The conveyance of an undivided 1/4 interest in and to all oil, gas and other minerals in and under the herein described property, as set out in Deed from Dan Goodrich McNamara to Ann Wier McNamara, dated January 18, 1989, recorded in the Real Property Records of Montgomery County, Texas, under County Clerk's File No.8905508 (as to 99.04 acres of land, more or less).

The reservation of all oil, gas and other minerals in and under the herein described property, as set out in Deed from Carrie Connor to Wayne E. Broyles, dated September 27, 1954, recorded in Volume 382, Page 581 of the Deed Records of Montgomery County, Texas (as to 0.53 acre of land, more or less).

Easement granted to Gulf States Utilities Company in instrument executed by E. B. Henderson, dated September 21, 1928, recorded in Volume 122, Page 129, of the Deed Records of Montgomery County, Texas (as to 99.04 acres of land, more or less).

Electric line along the southerly portion of subject property as set forth on survey plat dated February 23, 1989, prepared by B. W. Buffsmante, Registered Public Surveyor No. 2063 (as to 99.04 acres of land, more or less and 0.53 acre of land, more or less).

SIGNED FOR IDENTIFICATION:

TO DAN COORTICH MONAMARA

FILED FOR RECORD

89 APR -4 PM 1: 10

Roy Harris

MONTGOMERY COUNTY, TEXAS

STATE OF YEAR COUNTY OF MONTHABLET? }

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APR 0 4 1989

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Ц	Ruther: Runny 1-15	Runny 143	4		Mannelle De fination art West Wash 2000 famoaf Rate of Chaise or on we'l Keet Manth 2005	DRAFF - Facility Requirements

- L LIFT STATION SERVING COLLECTION SYSTEM
- 2. A BLOWER
- S. CLARITER DRIVE
- 4. CHLORINATION SYSTEM
- 5. BASIC LIGHTING
- NOTE: A CONSTANT-RECHARGED, POWER-PAC WITH AUTO-SWITCHOVER WILL ALLOW CONTINUOUS CHLORING APPLICATION. SUFFICIENT SPARE PARTS INVENTORY FOR THE CHLORINATOR WILL BE REQUIRED.
- B. TELEMETERED ALARM SYSTEMS WILL ADVISE OF-
  - 1. GENERAL POWER OUTAGE
  - 2. LIFT STA EN LEVEL
  - 3. CLARUTER DRIVE FAILURE, OF TORQUE OVERLOAD
- G. OPERATING FLEXIBELITY FEATURES
  - 1. SLUDGE HOLDING HAS DUAL-COMPARTMENTS FOR ALLOWING ONE TO BE EMPTIED WHILE SLUDGE IS WASTED TO OTHER
  - 2. IF CC BASIN IS OUT OF SERVICE, AND BY-PASSED CHLORINE CAN BE INTRODUCED INTO THE CLARIFIER FOR ALLOWING ADEQUATE DETENTION TIME
- D. EQUIPMENT DUBLICITY
  - DUAL BLOWERS, EACH CAPABLE OF THE TOTAL ATR
  - LIFT STATION AT WTP WILL HAVE DUAL PUMPS, EACH GREABLE OF Omer
  - WATER SYSTEM HAVING EMERGENCY GENERATOR WITH PROVIDE DUAL FEED TO THE WIP
- E. OVERFLOW PREVENTION BASINS HAVE ADEQUATE FREEBOARD AN ADEQUATE SPECIFICATION FOR SEWER LINE TESTING BOTH DURING CONSTRUCTION, AND LATER IS BEING RECONDMINDED

TPDES APPLICATION &
WWTP DESIGN.. AUG.'19
70 Ac Dev MONTGOMERY Co
MICHEAL KARI.. OWNER



TPDES APPLICATION &
WWTP DESIGN.. AUG.'19
70 Ac Dev MONTGOMERY Co

	MICHEAL KARI OWNER	
P.O.	GEHNELL & ASSOC, INC. OX 512 ORD, TEXAS 77477 281 450 7647	· IPDES APP
- }	mse to 30TAC 309.13. <u>UNSUITABLE SITE CHARACTERISTICS</u>	t t
(a) T	e proposed site will not be located in a 100-yr flood pla	N
(B)		
G I	EVITY WALL BELOCATED IN-EXCESS-OF SUO'FROM A PUBLIC WATE	
<b>5</b> 6	EL, CRESETED PUR FECULTIS	
55515	PROPOSED WIP-	an Cycteasc
(]	) DOES NOT INCLUDE SURFACE IRRIGATION, NOR SOIL ABSORPTION OF THE WATER OF THE WATE	
(2	2) WILL BE LOCATED IN-EXCESS-OF 500 FT FROM POTABLE WATER	-
<b>(</b> 2	3) " 500 FT FROM A PUBLIC WATER	
	of 300 from a public water well	
	WHE HAVE NO SURFACE WATTER TORKATOMENT PLANTS, EXSU	TING MOR
(d)	PROPOSED, WITHIN 500' THE PROPOSED WIP WILL HAVE NO SURFACE IMPOUNDMENT	
- 4	CONTROL OF THE NUISANCE OF ODOR	
	) no la <b>goons</b> are planned 2) app <b>licant ownes all</b> properties within 150° of the prop	leer water
	EF ATTACHED BUFFER PLAN ATTACH 13)	SER MIL'
(F) C	10 VARIANCE REQUEST IS SEQUIRED	
(g)	NO ALTERNATIVE TO THE RULES IS REQUIRED	
(h)	yo renewal is required at this time	
(O) (	Lans/spect were not approved prior to	,





Atech 17

# The State of Texas Secretary of State

CERTIFICATE OF INCORPORATION

OF

A & M INTERESTS, INC. CHARTER NUMBER 769300

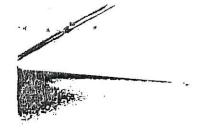
THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS, HEREBY CERTIFIES THAT ARTICLES OF INCORPORATION FOR THE ABUVE CORPORATION, DULY SIGNED AND VERIFIED HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED. AS SUCH SECRETARY OF STATE, AND BY VIRTUE OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS CERTIFICATE OF INCORPORATION AND ATTACHES HERETO A COPY OF THE ARTICLES OF INCORPORATION.

DATED OCT. 2, 1985



Secretary of State



#### ARTICLE EIGHT

The name and address of the incorporator is:

Gregory Z. Madeley 800 N. San Jacinto, Suite 102 Conroe, Texas 77301

GREGORY Z. MADELEY
INCORPORATOR

STATE OF TEXAS

Y

COUNTY OF MONTGOMERY

Y

BEFORE ME, a Notary Public, on this day personally appeared GREGORY Z. MADELEY, known to me to be the person whose name is subscribed to the foregoing document and, being by me first duly sworn, declared that the statements therein contained are true and correct.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 30th day of September , 1985.

NOTARY PUBLIC, STATE OF PEXAS

Notary's Printed Name: Tammy S. Stephens

My Commission Expires: 9/13/86



TPDES PERMIT NO. WQ0015819001 [For TCEQ office use only - EPA I.D. No. TX0139548]

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

PERMIT TO DISCHARGE WASTES

under provisions of Section 402 of the Clean Water Act and Chapter 26 of the Texas Water Code

A & M Interests, Inc.

whose mailing address is

c/o Mr. Michael Karimaghaei 1519 North Frazier Street Conroe, Texas 77301

is authorized to treat and discharge waster from the 70 AC Development on FM 2854 near Honea Wastewater Treatment Facility, SIC Code 4952

located approximately 2,100 feet east of the intersection of Deer Lake Lodge Road and Farm-to-Market Road 2854, in Montgomery County, Texas 77356

to an unnamed tributary, thence to Mound Creek, thence to Lake Creek in Segment No. 1015 of the San Jacinto River Basin

only according to effluent limitations, monitoring requirements, and other conditions set forth in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the TCEQ. The issuance of this permit does not grant to the permittee the right to use private or public property for conveyance of wastewater along the discharge route described in this permit. This includes, but is not limited to, property belonging to any individual, partnership, corporation, or other entity. Neither does this permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of he permittee to acquire property rights as may be necessary to use the discharge route.

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

ISSUED DATE:

July 30, 2020

For the Commission



TPDES PERMIT NO. WQ0015819001 [For TCEQ office use only - EPA I.D. No. TX0139548]

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

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

ISSUED DATE:

July 30, 2020

For the Commission



#### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

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

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

MRG ATX Holdings, LLC ( $\underline{\text{CN }603988023}$ ) operates Miraval Austin WWTP (RN 101920353), a wastewater treatment plant with effluent disposal fields . The facility is located at 13500 Farm to Market Rd 2769, in Austin, Travis County, Texas 78626. to renew Texas Land Application Permit (TLAP) No. WQ0014203001 at a daily average flow not to exceed 0.014 million gallons per day (MGD) in the Interim phase via public access subsurface drip irrigation system with a minimum area of 3.2 acres, and 0.027 MGD in the Final phase via public access subsurface drip irrigation system with a minimum area of 6.3 acres . This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain NA no discharge. Domestic wastewater is treated by Treatment units in the Interim phase include bar screens, equalization tank, aeration basin, final clarifier, digester, chlorine contact chamber, effluent lift station, effluent storage tank and a subsurface drip irrigation system. The Final phase facility will consist of an activated sludge process plant using the conventional mode. Treatment units will include

bar screens, aeration basins, final clarifiers, aerobic digesters, chlorine contact chambers, effluent lift station, effluent storage tank and a subsurface drip irrigation system

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

#### AGUAS RESIDUALES Introduzca 'INDUSTRIALES' o 'DOMÉSTICAS' aquí /AGUAS PLUVIALES

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

MRG ATX Holdings, LLC (<u>CN 603988023</u>) opera Miraval Austin WWTP RN 101920353, una Planta de tratamiento de aguas residuales con campos de eliminación de efluentes. La instalación está ubicada en 13500 Farm to Market Rd 2769, en Austin, Condado de Travis, Texas 78726. Renovar el Permiso de Solicitud de Tierras de Texas (TLAP) N.º WQ0014203001 con un caudal promedio diario que no supere los 0.014 millones de galones por día (MGD) en la fase provisional a través de un sistema de riego por goteo subterráneo de acceso público con un área mínima de 3.2 acres, y 0.027 MGD en la fase final a través de un sistema de riego por goteo subterráneo de acceso público con un área mínima de 6.3 acres. <*Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:*>> Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan N/A. Aguas residuales domésticas. está tratado por Las unidades de tratamiento en la fase intermedia incluyen rejillas de rejilla, tanque de ecualización, cuenca de aireación, clarificador final, digestor, cámara de contacto con cloro, estación de elevación de efluentes, tanque de almacenamiento de efluentes y un sistema de riego por goteo subterráneo. La instalación de la fase final constará de una planta de procesamiento de lodos activados que utilice el modo convencional. Las unidades de tratamiento incluirán rejillas de rejilla, cuencas de aireación, clarificadores finales, digestores aeróbicos, cámaras de contacto con cloro, estación de elevación de efluentes, tanque de almacenamiento de efluentes y un sistema de riego por goteo subterráneo.

#### **INSTRUCTIONS**

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

Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at <a href="https://www.wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com/wq-area.com

#### **Example**

#### **Individual Industrial Wastewater Application**

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

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

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

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

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

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

# 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 RENOVACION

### PERMISO NO. WQoo 158 1900 1

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos

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

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

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

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

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <a href="http://www14.tceq.texas.gov/epic/eComment/o">http://www14.tceq.texas.gov/epic/eComment/o</a> 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 AM INTERESTEIN [name of applicant] a la dirección indicada arriba o llamando a \_\_\_\_\_\_ [name of applicant's representative] al GEORGE H NEIN [applicant's telephone number].

Fecha de emission:

### Francesca Findlay

From: Mehdi Karimaghaei <mehdi.kari@yahoo.com>

**Sent:** Monday, October 21, 2024 12:17 PM

**To:** Francesca Findlay

**Subject:** Renew the permit No 15819001.

Good afternoon .Ms Findlay for confirmation my email is Mehdi.Kari @yahoo.com. Thank you. Sent from my iPhone

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and	submit	this	checklist	with	the	application.
--------------	--------	------	-----------	------	-----	--------------

APPLICANT NAME: Click to enter text.

PERMIT NUMBER (If new, leave blank): WQ00 Click to enter text.

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

N

Administrative Report 1.0		$\square$ Original USGS Map $\square$ $\square$
Administrative Report 1.1	1	☐ Affected Landowners Map ☐ ☐
SPIF	各日	□ Landowner Disk or Labels □ □
Core Data Form		□ Buffer Zone Map □ □
Public Involvement Plan Form		□ Flow Diagram 🙇 □
Technical Report 1.0	Ŋ c	□ Site Drawing 🖺 🗆
Technical Report 1.1		□ Original Photographs □
Worksheet 2.0		□ Design Calculations 💆 🗆
Worksheet 2.1		Solids Management Plan
Worksheet 3.0	14, 17 13	□ Water Balance □ □
Worksheet 3.1		
Worksheet 3.2		
Worksheet 3.3		
Worksheet 4.0		- 1085C3°
Worksheet 5.0		- Report
Worksheet 6.0		- CMail atteg
Worksheet 7.0		= Sudley 6
		1 Levage 900
		email to frence sed.  Endlay & toego  texase gov
For TCEQ Use Only		
Segment Number		County
Expiration Date		Region
Kellilli Millingi		

N

C.	Check the box next to the appropriate permit type.
	TPDES Permit
	TPDES Permit with TLAP component
	Subsurface Area Drip Dispersal System (SADDS)
d.	Check the box next to the appropriate application type
	□ New
	☐ Major Amendment <i>with</i> Renewal ☐ Minor Amendment <i>with</i> Renewal
	☐ Major Amendment <i>without</i> Renewal ☐ Minor Amendment <i>without</i> Renewal
	Renewal without changes   Minor Modification of permit
e.	For amendments or modifications, describe the proposed changes: Click to enter text.
f.	For existing permits:
	Permit Number: WQ00 Click to enter text. 15819 - 601
	EPA I.D. (TPDES only): TX Click to enter text.
	Permit Number: WQ00 Click to enter text.   15819 - 601   EPA I.D. (TPDES only): TX Click to enter text.   0139548   Expiration Date: Click to enter text.   7130   2025
	, . ,
Se	ection 3. Facility Owner (Applicant) and Co-Applicant Information
	(Instructions Page 26)
A.	The owner of the facility must apply for the permit.
	What is the Legal Name of the entity (applicant) applying for this permit?  Click to enter text.
	Click to enter text. A & MI INTERESTS
	(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)
	If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a>
	CN: Click to enter text. 600743694
	What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in <i>30 TAC § 305.44</i> .
	Prefix: Click to enter text. $\mathcal{MR}$ Last Name, First Name: Click to enter text.
	Title: Click to enter text. Own Credential: Click MICHAEL KARIMAGHAEI
В.	<b>Co-applicant information.</b> Complete this section only if another person or entity is required to apply as a co-permittee.
	What is the Legal Name of the co-applicant applying for this permit?
	Click to enter text.
	(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

**B.** Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: Click to enter text.

MRS MICHAEL ICARIMAGITAES

Mailing Address: Click to enter text.

City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text.

E-mail Address: Click to enter text. 574 e address

### Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits in effect on September 1 of each year. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit

Prefix (Mr., Ms., Miss):

Mr

First and Last Name:

MICHAEL KARIMAGHAEI

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

OWNER

Organization Name:

AIM INTERESTS, INC

Mailing Address:

1519 No FRAZIER

City, State, Zip Code: CONROG, TEXAS 7730/

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

Prefix (Mr., Ms., Miss):

MITE

First and Last Name:

MICHAEL KARIMAGHAEI

Credential (P.E. P.G., Ph.D., Clark

Title:

OWNER

Organization Name: AEM FLIERESTS, INC

Mailing Address:

1519 No. FRAZIER

City, State, Zip Code: (ONROE) TEXAL 7730/

Phone No.: 28/ 827 4308Ext.:

#### Public Notice Information (Instructions Page 27) Section 8.

A. Individual Publishing the Notices

Individual Publishing the Notices FARIMA GAAEI

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text red Credential: Click to enter text.

Organization Name: Click to enter text. A=M INTERCSTS

Mailing Address: Click to enter text.

City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text.

E-mail Address: Click to enter text.

1519 NO ERAZIER CONROE, TX 77301 281-827-4908

	3.	Do the locatio		at these	e schools attend a bilingual education program at another
		4.0	Yes	Ø.	No
	4.				quired to provide a bilingual education program but the school has trement under 19 TAC §89.1205(g)?
			Yes	<b>▲</b>	No
	5.				<b>question 1, 2, 3, or 4</b> , public notices in an alternative language are ge is required by the bilingual program? Click to enter text.
F.	Pla	in Lang	guage Sui	nmary T	Template
	Co	mplete	the Plain	Languag	ge Summary (TCEQ Form 20972) and include as an attachment.
			nt: Click		gee division
G.			olvemen		
					ement Plan Form (TCEQ Form 20960) for each application for a <b>ndment to a permit</b> and include as an attachment.
	At	tachme	nt: Click	o enter	text. see 2 teched
Se	cti	on 9.	Regu Page		Entity and Permitted Site Information (Instructions
A.	If t	he site : s site. <b>R</b>	is curren N Click t	tly regula o enter t	text. 1108 467 97
					Registry at <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a> to determine if ed by TCEQ.
B.	Na	me of p	roject or	site (the	name known by the community where located):
	Cli	ck to en	iter text.		Click to enter text. MIChael Karimagital
C.	Ow	mer of t	reatmen	facility:	: Click to enter text. Michael
			of Facili		
D.	Ow	mer of l	and when	re treatm	ment facility is or will be: Michael Rarnagur
	Pre	efix: Clic	ck to ente	r text.	T INT THE INT
	Tit	le: Click	to enter	text.	Credential: Click to enter text.  See above
	Or	ganizati	on Name	: Click to	o enter text.
	Ma	iling Ad	ldress: Cl	ick to en	nter text. City, State, Zip Code: Click to enter text.
	Ph	one No.:	Click to	enter tex	ext. E-mail Address: Click to enter text.
					same person as the facility owner or co-applicant, attach a lease d easement. See instructions.
		Attach	ment: Cli	ck to en	ter text. 11/14

	If <b>yes</b> , indicate by a check mark if:
	☐ Authorization granted
	For <b>new and amendment</b> applications, provide copies of letters that show proof of contact and the approval letter upon receipt.
	Attachment: Click to enter text.
D.	For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Click to enter text.
Se	ction 11. TLAP Disposal Information (Instructions Page 32)
Α.	For TLAPs, is the location of the effluent disposal site in the existing permit accurate?
	□ Yes □ No
	If <b>no, or a new or amendment permit application</b> , provide an accurate description of the disposal site location:
	Click to enter text.
B.	City nearest the disposal site: Click to enter text.
C.	County in which the disposal site is located: Click to enter text.
D.	For <b>TLAPs</b> , describe the routing of effluent from the treatment facility to the disposal site:
	Click to enter text.
E.	For <b>TLAPs</b> , please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Click to enter text.
Se	ction 12. Miscellaneous Information (Instructions Page 32)
A.	Is the facility located on or does the treated effluent cross American Indian Land?
	□ Yes 🖟 No
B.	If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?
	□ Yes □ Not Applicable
	If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.
	Click to enter text.

	If <b>yes</b> land(	$\mathbf{s}$ , provide the location and foreseeable impacts):	acts and effects this application has on the
		k to enter text.	
			Y.
Se	ction	n 2. Original Photographs (Instr	ructions Page 38)
	ormat	original ground level photographs. Indicate tion is provided.	See one schmi
	$\Box$ $A$	At least one original photograph of the new	or expanded treatment unit location Atach
		downstream (photo 1) and upstream (photo	
	$\Box$ $A$	At least one photograph of the existing/pro	posed effluent disposal site
		A plot plan or map showing the location and	d direction of each photograph
So	ction	n 3. Buffer Zone Map (Instruction	ne Daga 38)
And the second	Buffe	er zone map. Provide a buffer zone map on	8.5 x 11-inch paper with all of the following
	•	The applicant's property boundary; The required buffer zone; and Each treatment unit; and The distance from each treatment unit to	see attack 20 the property boundaries.
В.		er zone compliance method. Indicate how thek all that apply.	ne buffer zone requirements will be met.
	×	Ownership	
		Restrictive easement	~
		Nuisance odor control	
		l Variance	
C.		uitable site characteristics. Does the facility uitable site characteristic found in 30 TAC §	
	Ø	K Yes □ No	

### WATER QUALITY PERMIT

#### PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- Do Not mail this form with the application form.
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

#### Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality Financial Administration Division Cashier's Office, MC-214 P.O. Box 13088 Austin, Texas 78711-3088 BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality Financial Administration Division Cashier's Office, MC-214 12100 Park 35 Circle Austin, Texas 78753

Fee Code: WQP Waste Permit No: Click to enter text.

- 1. Check or Money Order Number: Click to enter text.
- 2. Check or Money Order Amount: Click to enter text.
- 3. Date of Check or Money Order: Click to enter text.
- 4. Name on Check or Money Order: Click to enter text.
- 5. APPLICATION INFORMATION

Name of Project or Site: Click to enter text.

Physical Address of Project or Site: Click to enter text.

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

#### Staple Check or Money Order in This Space

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

Core Data Form (TCEQ Form No. 10400) (Required for all application types. Must be completed in its entirety Note: Form may be signed by applicant representative.)	and :	signed.		Yes
Correct and Current Industrial Wastewater Permit Application Form (TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or law				Yes
Water Quality Permit Payment Submittal Form (Page 19) (Original payment sent to TCEQ Revenue Section. See instructions fo	or ma	iling ad	□ ldres:	Yes s.)
7.5 Minute USGS Quadrangle Topographic Map Attached (Full-size map if seeking "New" permit. 8½ x 11 acceptable for Renewals and Amendments)				Yes
Current/Non-Expired, Executed Lease Agreement or Easement		N/A		Yes
Landowners Map (See instructions for landowner requirements)		N/A		Yes
<ul> <li>Things to Know:</li> <li>All the items shown on the map must be labeled.</li> <li>The applicant's complete property boundaries must be doundaries of contiguous property owned by the application.</li> <li>The applicant cannot be its own adjacent landowner. You landowners immediately adjacent to their property, regarding from the actual facility.</li> <li>If the applicant's property is adjacent to a road, creek, or on the opposite side must be identified. Although the prapplicant's property boundary, they are considered potentif the adjacent road is a divided highway as identified on map, the applicant does not have to identify the landown the highway.</li> </ul>	nt. I mus cdless strea opert ntially	et identi s of hov am, the ies are: affecto JSGS to	ify the value of t	they are owners djacent to ndowners. aphic
Landowners Cross Reference List (See instructions for landowner requirements)		N/A		Yes
Landowners Labels or USB Drive attached (See instructions for landowner requirements)		N/A		Yes
Original signature per 30 TAC § 305.44 – Blue Ink Preferred (If signature page is not signed by an elected official or principle exe a copy of signature authority/delegation letter must be attached)	cutiv	e office	□ r,	Yes
Plain Language Summary			П	Yes



## **TCEQ Core Data Form**

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

<b>ECTION I: General Inform</b>	nation							
1. Reason for Submission (If other is	checked please des	scribe in space p	provided.)		E .			
New Permit, Registration or Author	zation (Core Data Fo	orm should be s	submitted with	n the program applicati	on.)			
☐ Renewal (Core Data Form should	be submitted with th	ne renewal form)	) 🔲 Oth	er				
2. Customer Reference Number (if iss	1 011	ow this link to sea	1011	3. Regulated Entity Reference Number (if issued)				
CN 600743694		for CN or RN numbers in Central Registry**  RN 1108 46 7 97						
SECTION II: Customer Info	ormation							
4. General Customer Information	5. Effective Date	for Customer in	nformation (	Jpdates (mm/dd/yyyy)				
New Customer Change in Legal Name (Verifiable wi		e to Customer In			n Regulated Entity Ownership			
The Customer Name submitted								
Texas Secretary of State (SOS)								
6. Customer Legal Name (If an individua				ew Customer, enter pre	vious Customer below:			
7. TX SOS/CPA Filing Number	R TV State Tay If	7 . L P4 C	0.1	Federal Tax ID (9 digits)	10. DUNS Number (if applicable)			
0.0.7.693000	17601	67092	4	ederal Tax ID (9 digits)	10. DONG Nulliber (ir applicable)			
11. Type of Customer: Corporat	ion	☐ Individua	al	Partnership:  Gen	eral 🔲 Limited			
Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:								
12. Number of Employees         13. Independently Owned and one of the control					-			
14. Customer Role (Proposed or Actual)	– as it relates to the Re	egulated Entity list	ted on this forr	n. Please check one of th	ne following:			
Owner Opera		Owner & 0						
Occupational Licensee Response	onsible Party		Cleanup App	olicant Other:				
Mich	100/ 12	erina	hed					
15. Mailing / 3	(Planting)	12121						
Attack Co		State TX	ZIP	77301	ZIP ÷ 4			
16. Country Mailing Information (if outs			17. E-Mail A	ddress (if applicable)				
5								
18. Telephone Number	19. E	xtension or Co	ode	20. Fax Numb	per (if applicable)			
(28) - 827 90	101			( )	-			
SECTION III: Regulated En	ntity Informat	tion						
21. General Regulated Entity Informat			ected below	this form should be acc	companied by a permit application)			
	to Regulated Entity			ulated Entity Information				
The Regulated Entity Name sub			order to m	eet TCEQ Agency	Data Standards (removal			
of organizational endings such								
22. Regulated Entity Name (Enter name								
(F	48M IN	11-61-659	テノナル	, C.				

		,							
23_Street Addr	23. Street Address of the Regulated Entity: (No PO Boxes)		1900	3 Frat	100				
			6-	7 = 17	IN	tres	ts I		A
(No PO Boxes)			CONT	G € State	72	ZIP	7733	2 ZIP+4	
24. County									
	-	Fni	ter Physical L	ocation Descriptio	n if no stre	et address is	provided		
25. Description	to			S 10,000 FT WES				1 1 1 5 No	4'
Physical Locati		,,,,,,	2854 FRO	M HONEA EGYP	T ROAD	FM /	2650 21	PHZ85 Nea	4 from
26. Nearest City	1 7	NTEN	1 godie		· ···OAD	, · · ·	SISTA DEE	Non	COPEE
			7-000			T	Otate		7356
27. Latitude (N)	In Decim	nal:			28	Longitude (W	) In Decimal:	1 "	0 7 1 6
Degrees		Minutes		Seconds	Degr		Minutes	•	Seconds
30	3	)	cs	07,04		95	3	7	20.04
29. Primary SIC	Code (4 dic	rits) 30	Secondary SI	C Code (4 digits)		ary NAICS Co		Secondary NAI	
		J. 100.			(5 or 6 digit	-		6 digits)	
33. What is the	Drimory B	voiness of t	4 %			3/3		404	9
33. What is the	Primary Bu	isiness of t	nis entity?	(Do not repeat the SIC o			1-	Tier	1-1-1-6
		T	1 100			ud of	41-1	10/2/24	il CRALE
34. Maili	ng		1-874	M Triffi		, lle	_		
Address	s:		151	9 6-12	THE				against the same of the same o
		City	COME	State	1 (K	ZIP	77301	ZIP + 4	
35. E-Mail	Address:								
1									
36		ne Number		37. Extensi	on or Code		38. Fax Nu	mber (if applica	able)
	PEI)	-82	7 4908	3			(	) -	
39. TCEQ Program	TES ) ns and ID N	- 名で lumbers Ch	eck all Programs	and write in the perm			(	) -	
	TES ) ns and ID N	- 名で lumbers Ch	eck all Programs	and write in the perm	nits/registration	on numbers that	will be affected b	) - ny the updates sub	mitted on this
39. TCEQ Program form. See the Core Da	TES ) ns and ID N	- 87° lumbers Characteristics	eck all Programs	and write in the perm	nits/registration		will be affected b	) -	mitted on this
39. TCEQ Program form. See the Core Da	ns and ID N ata Form ins	- 8 7.*  lumbers Characteristics	eck all Programs	and write in the perm	nits/registration	on numbers that	will be affected b	) -  ry the updates sub	mitted on this
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39. TCEQ Program form. See the Core Di Dam Safety  Municipal Solid  Sludge  Voluntary Clean	ns and ID N ata Form ins d Waste	- 8 7.  Jumbers Chetructions for a Districts  New Sou	eck all Programs additional guidan  rce Review Air  ater  ater	s and write in the permode.  Edwards Aquife  OSSF  Title V Air  Wastewater Ag	riculture	on numbers that  Emissions Ir  Petroleum S  Tires  Water Right:	will be affected be inventory Air Storage Tank	) -  y the updates sub Industrial Ha PWS Used Oil	mitted on this
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Phone:

Name(In Print):

## Section 14. Signature Page (Instructions Page 39)

If co-applicants are necessary, each entity must submit an original.	лпа <i>і, ѕераги</i> не зіднасы с
Permit Number:	
Applicant:	
Certification:	
I certify under penalty of law that this document and all attachmedirection or supervision in accordance with a system designed to personnel properly gather and evaluate the information submitted person or persons who manage the system, or those persons did the information, the information submitted is, to the best of my accurate, and complete. I am aware there are significant penaltic information, including the possibility of fine and imprisonment	ed. Based on my inquiry of the rectly responsible for gathering knowledge and belief, true, es for submitting false for knowing violations.
I further certify that I am authorized under 30 Texas Administra submit this document, and can provide documentation in proof request.	ative Code § 305.44 to sign and of such authorization upon
Signatory name (typed or printed):	
Signatory title:  Signature:	06-20-24
Subscribed and Sworn to before me by the said Wickel on this 20 day of d	Karımaghaei , 20 24. , 20 25.
Notary Public	[SEAL]
Madagana	Notary Public, State of Texas Comm. Expires 08-30-2025

Notary ID 126828263

ani alice

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION

		CHECKLIST	ATTON
TCEO Complete and su	bmit this chec	klist with the application.	( The
	ITERESTS		Park
PERMIT NUMBER: NOT		BAICHAEL MADINA	IAEI
Indicate if each of the following		The state of the s	Bereve
	YN		Sed to
Administrative Report 1.0	Ø 🗆	Original USCS Man	Y N S P
Administrative Report 1.1		Original USGS Map	X Sept 30
SPIF SPIF		Affected Landowners Map Landowner Disk or Labels	N Asset
Core Data Form	<b>½</b>	Buffer Zone Map	
Technical Report 1.0	≠ □	Flow Diagram	
Technical Report 1.1		Site Drawing	
Worksheet 2.0		Original Photographs	
Worksheet 2.1	<b>X</b>	Design Calculations	ß o
Worksheet 3.0		Solids Management Plan	 Ø
Worksheet 3.1	Market Billion Country Billion	Water Balance	
Worksheet 3.2			
Worksheet 3.3	ACTION OF THE PARTY OF THE PART		
Worksheet 4 0	Million		
up to \$100.00 Included \$11.50.  and Total: \$52.30  edit Card Remit \$52.30  Card Name: MasterCard \$52.30  Approval #: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Save this receipt as evidence insurance. For information on filing an insurance claim go to https://www.usps.com/help/claims.htm or call 1-800-222-1811	Preview your Mail Track your Packages Sign up for FREE  https://informeddelivery.usps.com All sales final on stamps and postage. Refunds for guaranteed services only. Thank you for your experience. Go to: https://postalexperience.com/Posor scan this code with your mobile device,	, call 1-800-410-7420.

### Section 14. Signature Page (Instructions Page 39)

page.
Permit Number:
Applicant:
Certification:
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submit*ed. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.
Signatows name (toward or 1)
Signatory name (typed or printed):
Signature: Date: 06-20-24  (Use blue ink)
Subscribed and Sworn to before me by the said Wishael Kariwaahae i on this day of Vie 2074.
My commission expires on the 30 day of August, 20 25.
March dren
Notary Public [SEAL]
ANNA MARIE BHAVO Notary Public, State of Texas Comm. Expires 08-30-2025 Notary ID 126828263

County, Texas

Notary ID 126828263



AZA Dalecto

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## APPLICATION FOR A DOMESTIC WASTEWATER PERMIT ADMINISTRATIVE REPORT 1.0

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

## Section 1. Application Fees (Instructions Page 29)

Ppnc	adon Fees (Instructi	ons Page 29)	
	submitted for the applicat		
Flow <0.05 MGD ≥0.05 but <0.10 MGD ≥0.10 but <0.25 MGD ≥0.25 but <0.50 MGD ≥0.50 but <1.0 MGD ≥1.0 MGD  Minor Amendment (for	New/Major Am \$350.00 □ \$550.00 ★ \$850.00 □ \$1,250.00 □ \$1,650.00 □ \$2,050.00 □	endment F	Same
Payment Information:	130.00		
	ck/Money Order Number:	STOCK AND A STOCK OF THE STOCK POPULATION AND A STOCK OF THE STOCK OF	- Madagoo aga ta ana
Che	ck/Money Order Amount:		And the second s
	ne Printed on Check:cher Number:		
	Voucher enclosed?	Yes	
Section 2. Type of	Application (Instruc	tions Page 20	
New IFDES	1	New TLAP	
Major Amendment <u>v</u>	<u>vith</u> Renewal		ment with Donas 1

Sec	ction 2. Ty	pe of Application (Instructions Page 29)	
X	New TPDES	(moductions Page 29)	STATE

Matter A	Application (Instru	cti	one Dage 20)
X	New TPDES		
	Major Amendment <u>with</u> Renewal Major Amendment <u>without</u> Renewal		New TLAP  Minor Amendment <u>with</u> Renewal  Minor Amendment <u>without</u> Renewal
For	Renewal without changes amendments or modifications, describe the previous permits:	nopo	Minor Modification
	nit Number: WQ00 Not YET I.D. (TPDES only): TX		

## Section 3. Facility Owner (Applicant) and Co-Applicant Information

	(Instructions Page 29)
A.	The owner of the facility must apply for the permit.
	What is the Legal Name of the entity (applicant) applying for this permit?
	ARM INTERESTS, INC
	(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)
	If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a>
	CN:
	What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in <i>30 TAC § 305.44</i> .
	Prefix (Mr., Ms., Miss):
	First and Last Name: MICHAEL KARIMAGHAEI
	Credential (P.E, P.G., Ph.D., etc.):
	Title: OWNER
B.	<b>Co-applicant information.</b> Complete this section only if another person or entity is required to apply as a co-permittee.
	What is the Legal Name of the co-applicant applying for this permit?
	The approximation of the permit.
	(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)
	If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at: <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a>
	CN:
	What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.
	Prefix (Mr., Ms., Miss):
	First and Last Name:
	Credential (P.E, P.G., Ph.D., etc.):
	Title:
	ý

C. Core Data Form Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of Administrative Report 1.0. Attachment: Section 4. Application Contact Information (Instructions Page 30) This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions. A. Prefix (Mr., Ms., Miss): First and Last Name: MICHAEL KARIMAGHAEI Credential (P.E, P.G., Ph.D., etc.): Title: OWNER Organization Name: A & M INTERESTS, INC Mailing Address: 1519 No. FRAZIER City, State, Zip Code: CONROE, TEKAS 77301 Phone No.: 281 827 490 &t.: E-mail Address: Administrative Contact Check one or both: Technical Contact B. Prefix (Mr., Ms., Miss): First and Last Name: CEORGELL NETLO Credential (P.E, P.G., Ph.D., etc.): Organization Name: GEORGELT Neill EASSOC, The C Mailing Address: PO BOX811

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

City, State, Zip Code: Athews, TX 75751

E-mail Address: 900190 hneille YAHOO, COM

☐ Administrative Contact

Phone No.: 281 - 4507647 Ext.:

Check one or both:

Technical Contact

## Section 5. Permit Contact Information (Instructions Page 30)

Pro	ovide two names of individuals tha	t can be contacted throughout the permit term.
A.	Prefix (Mr., Ms., Miss):	
	First and Last Name:	MICHAEL KARIMAGHAEI
	Credential (P.E, P.G., Ph.D., etc.):	SAME
	Title:	SAME
	Organization Name:	And other course of the Control of t
	Mailing Address:	
	City, State, Zip Code:	
	Phone No.:	Ext.: Fax No.:
	E-mail Address:	
В.	Prefix (Mr., Ms., Miss): 2 <sup>nd</sup> N First and Last Name:	IOTIFICATION MAME IS MRE KARIMAGHAEI
	Credential (P.E, P.G., Ph.D., etc.):	
	Title:	SAME
	Organization Name:	The second state of the se
	Mailing Address:	
	City, State, Zip Code:	
	Phone No.:	Ext.: Fax No.:
	E-mail Address:	nous administrator ase  sociolos a financia; qui
Sa	ction 6 Pilling Information	(I
The per pro lon	mits <b>in effect on September 1 of e</b>	ng the annual fee. The annual fee will be assessed to each year. The TCEQ will send a bill to the address e is responsible for terminating the permit when it is no 29).
	First and Last Name: 🎹	MICHAEL KARIMAGHAEI
	Credential (P.E, P.G., Ph.D., etc.):	
	Title: OWNER	
	Organization Name: A++	1 INTERESTS, INC
	Mailing Address: 1519	No FRAZIER
	Organization Name: A # 1- Mailing Address: /5/9 ( City, State, Zip Code: COMP	OE, TEXAS 77301
		(

Phone No.: Ext.: Fax No.:	
E-mail Address:	
Section 7. DMR/MER Contact Information (Instructions Page 31)	
Provide the name and complete mailing address of the person delegated to receive a Discharge Monitoring Reports (EPA 3320-1) or maintain Monthly Effluent Reports.  Prefix (Mr., Ms., Miss):  First and Last Name:  Credential (P.E, P.G., Ph.D., etc.).  Title:  Owner  Organization Name:  Michael Karimaghaei  Credential (P.E, P.G., Ph.D., etc.).  Title:  Owner  Organization Name:  AEM Tuterus 75, Thic  Mailing Address:  City, State, Zip Code: Conroll / Texas 1730/  Phone No.: 28/8274908ext.:  Fax No.:  E-mail Address:	
DMP data is required to be submitted alarmed.	
DMR data is required to be submitted electronically. Create an account at: <a href="https://www.tceq.texas.gov/permitting/netdmr/netdmr.html">https://www.tceq.texas.gov/permitting/netdmr/netdmr.html</a> .	
Section 8. Public Notice Information (Instructions Page 31)	
A. Individual Publishing the Notices  Prefix (Mr., Ms., Miss):  First and Last Name:  Credential (P.E, P.G., Ph.D., etc.):  Title:  Organization Name:  Mailing Address:  City, State, Zip Code:  Phone No.:  E-mail Address:	
B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Per Package	rmit

	instructions:
	E-mail Address
	□ Fax
	Regular Mail
C.	Contact person to be listed in the Notices
	Prefix (Mr., Ms., Miss): MICHAEL KARIMAGHAEI
	First and Last Name:
	Credential (P.E, P.G., Ph.D., etc.):
	Title: DWNCR
	Organization Name: AEM INTERESTS, INC
	Phone No.: 281 827 490 Ext.:
	E-mail:
D.	Public Viewing Information
	If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.
	Public building name: MONTGOMERT CO
	Location within the building: COUNTY CLERK'S OFFICE
	Physical Address of Building: ZEO Davis
	City: CONROE County: MONEGONERY
	Contact Name: FILE CLERIC
	Phone No.: Ext.:
E.	Bilingual Notice Requirements:
	This information is required for new, major amendment, and renewal applications. It is not required for minor amendment or minor modification applications.
	This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.
	Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.
	1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?
	Yes 🗆 No
	If <b>no</b> , publication of an alternative language notice is not required; <b>skip to</b> Section 9 below.

C.	Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?
	Yes 🗆 No
	If yes, indicate by a check mark if:
	<ul> <li>Authorization granted</li> <li>Authorization pending</li> </ul>
	For <b>new and amendment</b> applications, provide copies of letters that show proof of contact and the approval letter upon receipt.  Attachment:
D.	For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge.
	$\mathcal{N}/\Lambda$
Se	ection 11. TLAP Disposal Information (Instructions Page 36)
A.	For TLAPs, is the location of the effluent disposal site in the existing permit accurate? $\Box$ Yes $\Box$ No $\nearrow$ $\nearrow$ $\nearrow$
	If <b>no</b> , <b>or</b> a <b>new or amendment permit application</b> , provide an accurate description of the disposal site location:
В.	City nearest the disposal site:
C.	County in which the disposal site is located:
D.	Disposal Site Latitude: Longitude:
E.	For TLAPs, describe the routing of effluent from the treatment facility to the disposal site:
F.	For TLAPs, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained:
_	

S	ection 12. Miscellaneous Information (Instructions Page 37)	
A.	Is the facility located on or does the treated effluent cross American Indian Land?  — Yes No	
В.	If the existing permit contains an onsite sludge disposal authorization, is the location of sewage sludge disposal site in the existing permit accurate?  Permit Contains an onsite sludge disposal authorization, is the location of sewage sludge disposal site in the existing permit accurate?  Not Applicable	the
	□ res / o Not Applicable	
	If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.	
C.	Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	
	□ Yes □ No	
ſ	If yes, list each person formerly employed by the TCEQ who represented your company awas paid for service regarding the application:	nd
D.	Do you owe any fees to the TCEQ?	
	□ Yes □ No	
	If <b>yes</b> , provide the following information:	
	Account number: Amount past due:	
E.	Do you owe any penalties to the TCEQ?	
	□ Yes ☑ No	
	☐ Yes ☑ No If <b>yes</b> , please provide the following information:	

## Section 13. Attachments (Instructions Page 38)

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

Lease agreement or deed recorded easement, if the land where the treatment facility is
located or the effluent disposal site are not owned by the applicant or co-applicant.
Original full-size USGS Topographic Map with the following information:
• Applicant's property boundary
Treatment facility boundary
<ul> <li>Labeled point of discharge for each discharge point (TPDES only)</li> </ul>
<ul> <li>Highlighted discharge route for each discharge point (TPDES only)</li> </ul>
Onsite sewage sludge disposal site (if applicable)
• Effluent disposal site boundaries (TLAP only)
<ul> <li>New and future construction (if applicable)</li> </ul>
• 1 mile radius information
<ul> <li>3 miles downstream information (TPDES only)</li> </ul>
• All ponds.
☐ Attachment 1 for Individuals as co-applicants
Other Attachments. Please specify: See Table of Conferents

## DOMESTIC ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

### Section 1. Affected Landowner Information (Instructions Page 41)

A	. Ind foll	icate by a check mark that the landowners map or drawing, with scale, includes the owing information, as applicable:
	X	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).)
	1	The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
	Ď.	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
	STEAL	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
В.	addı	Indicate by a check mark that a separate list with the landowners' names and mailing cesses cross-referenced to the landowner's map has been provided.
C.	Indi	cate by a check mark in which format the landowners list is submitted:
	E. S. Company	
D.	Prov	ide the source of the landowners' names and mailing addresses: MONTGOMETERY
E.	As re	equired by <i>Texas Water Code § 5.115</i> , is any permanent school fund land affected by this ication?
	\$2(E) 	Yes No
	If ye	${f s}$ , provide the location and foreseeable impacts and effects this application has on the

	land(s):
ź	
	i i
6	Section 2 Original Photographs (Instruction B. 44)
Pr	Section 2. Original Photographs (Instructions Page 44) rovide original ground level photographs. Indicate with checkmarks that the following
in	formation 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
S	ection 3. Buffer Zone Map (Instructions Page 44)
A.	Buffer zone map. Provide a buffer zone map on $8.5 \times 11$ -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.
	<ul> <li>The applicant's property boundary;</li> <li>The required buffer zone; and</li> <li>Each treatment unit; and</li> <li>The distance from each treatment unit to the property boundaries.</li> </ul>
В.	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

## DOMESTIC TECHNICAL REPORT 1.0

The Following Is Required For All Applications Renewal, New, And Amendment

## Section 1. Permitted or Proposed Flows (Instructions Page 51)

A.	Existin	g/Interim	I	<b>Phase</b>
----	---------	-----------	---	--------------

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

B. Interim II Phase

Design Flow (MGD):

0.05

2-Hr Peak Flow (MGD):

0.15

Estimated construction start date:

Estimated waste disposal start date:

C. Final Phase

Design Flow (MGD):

0,10

2-Hr Peak Flow (MGD):

0.30

Estimated construction start date:

Estimated waste disposal start date:

ALREADY

D. Current operating phase:

Provide the startup date of the facility:

2000t

## Section 2. Treatment Process (Instructions Page 51)

### A. Treatment process description

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

plant's head works and finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed in the permit, a description of** *each phase* **must be provided**. Process description:

Tron Lift Sta INTO Devetow

( this bar screen); there to

clarifier; theree to Chloslautact;

thence To Creek

Also - Controls, Chlorinator; blowers, secretary

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

4"

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	Dimensions (L x W x D)
	Units	

### C. Process flow diagrams

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

Attachment:

### Section 3. Site Drawing (Instructions Page 52)

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

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

Attachment: 2
Provide the name and a description of the area served by the treatment facility.
STAFFORD MOBILE HOME PARK, INC.

### Section 4. Unbuilt Phases (Instructions Page 52)

Is the application for a renewal of a permit that contains an unbu	ıilt 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.

growth doesn't Mesril

Section 5. Closure Plans (Instructions Page 53)
Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years? Yes $\square$ No $\square$
If yes, was a closure plan submitted to the TCEQ?
Yes □ No □
<b>If yes,</b> provide a brief description of the closure and the date of plan approval.
Section 6. Permit Specific Requirements (Instructions Page 53)
For applicants with an existing permit, check the <i>Other Requirements</i> or <i>Special Provisions</i> of the permit.
A. Summary transmittal  Have plans and specifications been approved for the existing facilities and each proposed phase?  Yes  No  No  Aout Know
If yes, provide the date(s) of approval for each phase:
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.
B. Buffer zones
Have the buffer zone requirements been met? Yes ☑ No □
Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

C. Other actions required by the current permit
Does the <i>Other Requirements</i> or <i>Special Provisions</i> 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
<b>If yes</b> , provide information below on the status of any actions taken to meet the conditions of an <i>Other Requirement</i> or <i>Special Provision</i> .
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  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.
FROM Bes Screen to Durepster

3. Grit disposal
Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal? Yes $\square$ No
If No, contact the TCEQ Municipal Solid Waste team at 512-239-0000. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.
Describe the method of grit disposal.
4. Grease and decanted liquid disposal
Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-0000.
Describe how the decant and grease are treated and disposed of after grit separation.
MA
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 ⊠
<b>If no to both of the above</b> , then skip to Subsection F, Other Wastes Received.

2. MSGP coverage

	vater runoff from the WWTP and dedicated lands for sewage rently permitted under the TPDES Multi-Sector General Permit 050000?
Yes □	No □
If yes, please Other Wastes TXR05	e provide MSGP Authorization Number and skip to Subsection F, s Received:  or TXRNE
If no, do you	intend to seek coverage under TXR050000?
Yes □	No □
3. Conditio	onal exclusion
permitting b	, do you intend to apply for a conditional exclusion from ased TXR050000 (Multi Sector General Permit) Part II B.2 or Multi Sector General Permit) Part V, Sector T 3(b)?  No □
If yes, pleas	e explain below then proceed to Subsection F, Other Wastes
Received:	
4. Existing	coverage in individual permit
Is your storm TPDES or TL Yes □	nwater discharge currently permitted through this individual AP permit? No □
	de a description of stormwater runoff management practices at are authorized in the wastewater permit then skip to Subsection tes Received.
5. Zero sto	rmwater discharge
	d to have no discharge of stormwater via use of evaporation or

<b>If yes,</b> explain below then skip to Subsection F. Other Wastes Received.
Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.
6. Request for coverage in individual permit
Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit? Yes $\square$ No $\square$
If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.
Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance

### F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

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.

Yes □ No D
If yes, a Sewage Sludge Solids Management Plan is required. See Example 5 in the instructions.
G. Other wastes received including sludge from other WWTPs and septic waste
1. Acceptance of sludge from other WWTPs
Does the facility accept or will it accept sludge from other treatment plants at the facility site? Yes $\square$ No
If yes, attach sewage sludge solids management plan. See Example 5 of the instructions.
In addition, provide the date that the plant started accepting sludge or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD <sub>5</sub> concentration of the sludge, and the design BOD <sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.
Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.
2. Acceptance of septic waste
Is the facility accepting or will it accept septic waste?
Yes □ No 🗹
If yes, does the facility have a Type V processing unit?
Yes □ No A
If yes, does the unit have a Municipal Solid Waste permit?
Yes □ No □
If yes to any of the above, provide a the date that the plant started accepting septic waste, or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons),

an estimate of the BOD<sub>5</sub> concentration of the septic waste, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if

Pollutant	Average	Max	No. of	Sample	Sample
1 Onatant	Conc.	Conc.	Samples	Type	Date/Time
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO <sub>3</sub> ), mg/l					

### Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name:

Facility Operator's License Classification and Level:

Studgeret

Facility Operator's License Number:

## Section 9. Sewage Sludge Management and Disposal (Instructions Page 60)

#### A. Sludge disposal method

Identify the current or anticipated sludge disposal method or methods from the following list. Check all that apply.

A	Permitted landfill
X	Permitted or Registered land application site for beneficial use
A	Land application for beneficial use authorized in the wastewater permit
	Permitted sludge processing facility
	Marketing and distribution as authorized in the wastewater permit
	Composting as authorized in the wastewater permit
	Permitted surface disposal site (sludge monofill)
	Surface disposal site (sludge monofill) authorized in the wastewater permit
	Transported to another permitted wastewater treatment plant or permitted sludge processing facility. If you selected this method, a written statement or contractual agreement from the wastewater

	1
sludge must be included with thi	dge processing facility accepting the sapplication.
□ Other:	
B. Sludge disposal site	> see SNET LETTER
Disposal site name:	( NET LETTEN
TCEQ permit or registration number:	
County where disposal site is located:	
C. Sludge transportation method	
Method of transportation (truck, train, pi	oe, other):
Name of the hauler:	
Hauler registration number:	
Sludge is transported as a:	
Liquid $\square$ semi-liquid $\square$	semi-solid ⊄ solid □
Section 10. Permit Authorization (Instructions Page 60)	on for Sewage Sludge Disposal
A. Beneficial use authorization	
Does the existing permit include authoriz sludge for beneficial use? Yes □ No ☑	ation for land application of sewage
If yes, are you requesting to continue this sludge for beneficial use?  Yes □ No ☑	s authorization to land apply sewage
If yes, is the completed Application for F Sewage Sludge (TCEQ Form No. 10451) a the instructions for details)? Yes □ No □	
B. Sludge processing authorization	
Does the existing permit include authoriz	ation for any of the following sludge
processing, storage or disposal options? Sludge Composting	Yes □ No 🖺
	Yes □ No 🛛
Marketing and Distribution of sludge	res 🗆 No 🗵

Slu	dge Surface Disposal or Sludge Monofill	Yes □	
Temporary storage in sludge lagoons Yes □ No ☑			
Applic attache	to any of the above sludge options and the ue this authorization, is the completed <b>Do</b> cation: Sewage Sludge Technical Report (T ed to this permit application? s  No	mestic Was	tewater Permit
Section	on 11. Sewage Sludge Lagoons (	Instructio	ns Page 61)
Do	es this facility include sewage sludge lago	ons?	
Yes	s 🗆 No 💆		
If y	ves, complete the remainder of this section	a. If no, prod	ceed to Section 12.
<b>A.</b> ]	Location information		
each m	llowing maps are required to be submitted ap, provide the Attachment Number. Original General Highway (County) Map:	l as part of	the application. For
	Attachment:		
<ul> <li>USDA Natural Resources Conservation Service Soil Map:</li> </ul>			
1	Attachment:		
• ]	Federal Emergency Management Map:		
1	Attachment:		
• :	Site map:		
1	Attachment:		
Discus	s in a description if any of the following e	xist within t	the lagoon area.
Check	all that apply.		
	Overlap a designated 100-year frequency	flood plain	
	Soils with flooding classification		
	Overlap an unstable area		
	Wetlands		
	Located less than 60 meters from a fault		
	None of the above		

Attachment:
If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size o protective structures:
B. Temporary storage information
Provide the results for the pollutant screening of sludge lagoons. These result are in addition to pollutant results in Section 7 of Technical Report 1.0.

Total Kjeldahl Nitrogen, mg/kg:

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

Phosphorus, mg/kg:

Potassium, mg/kg:

pH, standard units:

Ammonia Nitrogen mg/kg:

Arsenic:

Cadmium:

Chromium:

Copper:

Lead:

Mercury:

Molybdenum:

Nickel:

Selenium:

Zinc:

Total PCBs:

Provide the following information:

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

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

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

C. Liner information
Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec? Yes $\square$ No $\square$
If yes, describe the liner below. Please note that a liner is required.
D. Site development plan
Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

Attach the following documents to the application.

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

### **Attachment:**

• Copy of the closure plan

### Attachment:

Copy of deed recordation for the site

### Attachment:

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

### Attachment:

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

### Attachment:

Procedures to prevent the occurrence of nuisance conditions

#### Attachment:

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 $\square$ No $\square$
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:
Section 12. Authorizations/Compliance/Enforcement (Instructions Page 63)
A. Additional authorizations
Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?  Yes  No  No
<b>If yes</b> , provide the TCEQ authorization number and description of the authorization:
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:

### Section 13. RCRA/CERCLA Wastes (Instructions Page 63)

### A. RCRA hazardous wastes

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

Yes □ No □

### B. Remediation activity wastewater

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

Yes □ No □

### C. Details about wastes received

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

Attachment:

# Laboratory Accreditation (Instructions Page 64)

boratory tests performed must meet the requirements of 30 TAC Chapter invironmental Testing Laboratory Accreditation and Certification, which ides the following general exemptions from National Environmental ratory Accreditation Program (NELAP) certification requirements:

The laboratory is an in-house laboratory and is:

- periodically inspected by the TCEQ; or located in another state and is accredited or inspected by that
- $_{\circ}\;$  performing work for another company with a unit located in the
- performing pro bono work for a governmental agency or charitable
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not
- The laboratory supplies data for which the TCEQ does not offer

he applicant should review 30 TAC Chapter 25 for specific requirements.

The following certification statement shall be signed and submitted with every application. See the Signature Page section in the Instructions, for a list of designated representatives who may sign the certification.

### CRTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

Accreditation and Certification
Printed Name: Cery Hell  Printed Name: Project Engra
Title:
Leeve PE
Signature: May 74, 2022
Date:

### B. Sludge processing authorization

Identif	fy the sludge processing, storage or disposal options that wi	ll be
condu	cted at the wastewater treatment facility:	
П	Sludge Composting	

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

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

Attachment:

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

Attach a solids management plan to the application.

Attachment:

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

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

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

### **DOMESTIC TECHNICAL REPORT WORKSHEET 2.0**

### RECEIVING WATERS

The following is required for all TPDES permit applications

Section 1. Domestic Drinking	; Water Supply	(Instructions	Page 73)
------------------------------	----------------	---------------	----------

s 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  V
f yes, provide the following: Owner of the drinking water supply:
Distance and direction to the intake:
Attach a USGS map that identifies the location of the intake.
Attachment:
Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)
Does the facility discharge into tidally affected waters?
Yes No No If yes, complete the remainder of this section. If no, proceed to Section 3.
A. Receiving water outfall
Width of the receiving water at the outfall, in feet: $\frac{70'f}{}$
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).
C. Sea grasses

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

	Yes □ No □
If ye	es, provide the distance and direction from the outfall(s).
Section	1 3. Classified Segments (Instructions Page 73)
Is the di	scharge directly into (or within 300 feet of) a classified segment?
	Yes □ No □
If yes, t	his Worksheet is complete.
If no, co	omplete Sections 4 and 5 of this Worksheet.
	n 4. Description of Immediate Receiving Waters nstructions Page 75)
Nam	ne of the immediate receiving waters:
	eceiving water type  tify the appropriate description of the receiving waters.  Stream  Stream  Stream
	Freshwater Swamp or Marsh
	Lake or Pond
	Surface area, in acres:
	Average depth of the entire water body, in feet:
	Average depth of water body within a 500-foot radius of discharge point, in feet:
	Man-made Channel or Ditch
	Open Bay
	Tidal Stream, Bayou, or Marsh

□ Other, specify.
B. Flow characteristics
If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area <i>upstream</i> of the discharge. For new discharges, characterize the area <i>downstream</i> 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). $ \hfill \Box  USGS \ flow \ records$
Historical observation by adjacent landowners
Personal observation
□ Other, specify:
C. Downstream perennial confluences
List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.
Oyster 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 $\square$ No $\square$
If yes, discuss how.  OC Must larger stream  Usually has flow  (Muche tidal)
Usually has How
/ Ni, he tida/

E. Normal dry weather characteristics Provide general observations of the water body during normal dry weather					
conditi	ons.  dry				
	Date and time of observation:  Was the water body influenced by stormwater runoff during observations?  Yes   No   No   No   No   No   No   No   N				
Section 5. General Characteristics of the Waterbody (Instructions Page 74)  A. Upstream influences  Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.					
	Oil field activities Upstream discharges Septic tanks	N N	Urban runoff Agricultural runoff Other(s), specify		
B. Waterbody uses Observed or evidences of the following uses. Check all that apply.					
	Livestock watering Irrigation withdrawal Fishing		Contact recreation  Non-contact recreation  Navigation		

	Domestic water supply		Industrial water supply	~			
	Park activities		Other(s), specify	y D			
C. V	Waterbody aesthetics						
	eck one of the following that eiving water and the surroun		describes the aesthetics of the area.				
	Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional						
A	Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored						
	Common Setting: not offen be colored or turbid	sive;	developed but uncluttered; water ma	ıy			
	Offensive: stream does not developed; dumping areas		ance aesthetics; cluttered; highly er discolored				

### **DOMESTIC TECHNICAL REPORT 1.1**

The following is required for new and amendment applications

### Section 1. Justification for Permit (Instructions Page 66)

A. Justification of permit need					
Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.					
APPLICANT REPORTS THAT NEIGHBORING WASTEWATER PURVEYOR					
HAS NOT PROVIDED A FEASIBLE PLAN FOR CONNECTING					
B. Regionalization of facilities					
Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:					
1. Municipally incorporated areas					
If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.					
Is any portion of the proposed service area located in an incorporated city?  Yes □ No Not Applicable □					
If yes, within the city limits of: Click here to enter text.					
If yes, attach correspondence from the city.					
Attachment: Click here to enter text.					
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: Click here to enter text.					
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: See Attach 5 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 that includes the permittee's name and permit number, and an area map showing the location of these facilities. Attachment: See Attach 5 If yes, attach copies of your certified letters to these facilities and their response letters concerning connection with their system. Attachment: See Attach 5 Does a permitted domestic wastewater treatment facility or a collection system located within three (3) miles of the proposed facility currently have the capacity to accept or is willing to expand to accept the volume of wastewater proposed in this application? NO DON'T KNOW Yes 🗆 If yes, attach an analysis of expenditures required to connect to a permitted wastewater treatment facility or collection system located within 3 miles versus the cost of the proposed facility or expansion. Attachment: Organic Loading (Instructions Page 67) Section 2. Is this facility in operation? No 🗡 Yes 🗆 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): Click here to ententext

Average Influent Organic Strength or BOD5 Concentration in mg/l: Click here to enter text

Average Influent Loading (lbs/day = total average flow X average BOD<sub>5</sub> conc. 2.

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

Click here to enter text;

### B. Proposed organic loading

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

Table 1.1(1) - Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5  Concentration (mg/l)
Municipality		
Subdivision		
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	3 3 3 15	
Other Apartments	0.06	300
TOTAL FLOW from all	0.06	
sources	0.06	
AVERAGE BOD₅ from all		300

Source Sources		Total Average Flow	Influent BOD5		
		(MGD)	Concentration (mg/l)		
			300		

### Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 68)

A. Existing/Interim I Phase Design Effluent Quality
Biochemical Oxygen Demand (5-day), mg/l: Click http://entertext
Total Suspended Solids, mg/l: Cliek her/ Senter text.
Ammonia Nitrogen, mg/l:
Total Phosphorus, mg/l: Click here to enter text.
Dissolved Oxygen, mg/l:
Other: Click here to enter text.
B. Interim II Phase Design Effluent Quality
Biochemical Oxygen Demand (5-day), mg/l: Click here to entertext
Total Suspended Solids, mg/l: Click here to enter text.
Ammonia Nitrogen, mg/l: Click here to enter text
Total Phosphorus, mg/l: Click here to enter text
Dissolved Oxygen, mg/l: Click here to enter text.
Other: Click here to enter texts
C. Final Phase Design Effluent Quality
Biochemical Oxygen Demand (5-day), mg/l:
Total Suspended Solids, mg/l: Chel here to enter text
Ammonia Nitrogen, mg/l: Click here to enter text
Total Phosphorus, mg/l: Click here to enter text.
Dissolved Oxygen, mg/l: Click here to emer text.
Other: Click here to enter text.

### D. Disinfection Method

Identify the proposed method of disinfection.

Chlorine: Click here to enter at mg/l after Click here to a Z Oct minutes detention time at peak flow
Dechlorination process: Click here to enter text.
Ultraviolet Light: Check here to enter text seconds contact time at peak flow
Other: Click here to enter text.
Section 4. Design Calculations (Instructions Page 68)
Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.
Attachment: Che Zue to enterless.
Section 5. Facility Site (Instructions Page 68)
A. 100-year floodplain
Will the proposed facilities be located <u>above</u> the 100-year frequency flood level?  Yes  No  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.
Click here to enter text.
MECH EQUIP AND BASIN SIDEWALLS ABOVE FP LEVEL
Provide the source(s) used to determine 100-year frequency flood plain.
Chek here to 9 FEMA 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: Click here to enter text.
<b>If no,</b> provide the approximate date you anticipate submitting your application to the Corps:

#### B. Wind rose



### Permit Authorization for Sewage Sludge Disposal (Instructions Section 6. Page 69)

A. Beneficial use authorization
Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?
Yes □ No □
If yes, attach the completed Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)  Attachment: Click here to enter text.
B. Sludge processing authorization
Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:
□ Sludge Composting
☐ Marketing and Distribution of sludge
☐ Sludge Surface Disposal or Sludge Monofill
If any of the above sludge options are selected, attach a completed DOMESTIC WASTEWATER PERMIT APPLICATION: SEWAGE SLUDGE TECHNICAL REPORT (TCEQ Form No. 10056).  Attachment: Click here to enter text.
Section 7. Sewage Sludge Solids Management Plan (Instructions Page 69)
Attach a solids management plan to the application.  Attachment:
<ul> <li>The sewage sludge solids management plan must contain the following information:</li> <li>Treatment units and processes dimensions and capacities</li> <li>Solids generated at 100, 75, 50, and 25 percent of design flow</li> </ul>

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

and the ultimate disposal method for the sludge from the facultative lagoon

For facultative lagoons, design life calculations, monitoring well locations and depths,

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

instructions.



### **DOMESTIC TECHNICAL REPORT WORKSHEET 2.0**

### **RECEIVING WATERS**

The following is required for all TPDES permit applications

Section 1. Domestic Drinking Water Supply (Instructions Page 73)
Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?  Yes  No
If yes, provide the following:  Owner of the drinking water supply: Click here to enter text
Distance and direction to the intake: Click here to enter text.
Attach a USGS map that identifies the location of the intake.
Attachment: Chek here to enter text.
Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)
Does the facility discharge into tidally affected waters?
Yes  No ix
If yes, complete the remainder of this section. If no, proceed to Section 3.
A. Receiving water outfall
Width of the receiving water at the outfall, in feet:
B. Oyster waters
Are there oyster waters in the vicinity of the discharge?
Yes □ No □
If yes, provide the distance and direction from outfall(s).
Click here to enter text.
C. Sea grasses

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

Yes  No X						
If yes, provide the distance and direction from the outfall(s).						
Click here to enter text.						
Section 3. Classified Segments (Instructions Page 73)						
Is the discharge directly into (or within 300 feet of) a classified segment?						
Yes No 🗡						
If yes, this Worksheet is complete.						
If no, complete Sections 4 and 5 of this Worksheet.						
Section 4. Description of Immediate Receiving Waters (Instructions Page 75	)					
Name of the immediate receiving waters: Click here to enter text						
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 here to enter text.						
Average depth of the entire water body, in feet:						
Average depth of water body within a 500-foot radius of discharge point, in feet:						
Man-made Channel or Ditch						
□ Open Bay						
☐ Tidal Stream, Bayou, or Marsh						
Other, specify: Click here to enter text.						

discharge	n, man-made channel or ditch was checked above, provide the following. For existing s, check one of the following that best characterizes the area <i>upstream</i> of the discharge. discharges, characterize the area <i>downstream</i> of the discharge (check one).  Intermittent - dry for at least one week during most years
X	Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
	Perennial - normally flowing
Check the	e method used to characterize the area upstream (or downstream for new dischargers). USGS flow records
X	Historical observation by adjacent landowners
	Personal observation
	Other, specify: Click here to enter text.
C. D	ownstream perennial confluences
	ames of all perennial streams that join the receiving water within three miles am of the discharge point.
Gi.	GOAT RANCH BRANCH
D. D	ownstream characteristics
	ceiving water characteristics change within three miles downstream of the discharge ural or man-made dams, ponds, reservoirs, etc.)?  Yes  No
If yes, di	scuss how.
Click bo	ere to onter text.

### E. Normal dry weather characteristics

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

B. Flow characteristics

	FLOWING		
Date and	d time of observation: Click Is Ju	ly	10/19
Was the	water body influenced by stormwa	iter ru	noff during observations?
	Yes ∕ No □		
Section	n 5. General Characteristic	es of	the Waterbody (Instructions Page 74)
<b>A.</b> 1	Upstream influences		
	nmediate receiving water upstream of the following? Check all that app		discharge or proposed discharge site influenced
	Oil field activities		Urban runoff
	Upstream discharges		Agricultural runoff
	Septic tanks		Other(s), specify DRAINACE
В. У	Waterbody uses		
Observe	ed or evidences of the following use	s. Ch	eck 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 DIZAINACE
Che	rounding area.  Wilderness: outstanding natural b		es the aesthetics of the receiving water and the r; 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

TABLE OF CONTENT

MI THE

CATION

TPDES APPLICATION &
WWTP DESIGN.. AUG.'19
70 Ac Dev MONTGOMERY Co
MICHEAL KARI.. OWNER

1. USGS QUAD

2. DOWNSTREA

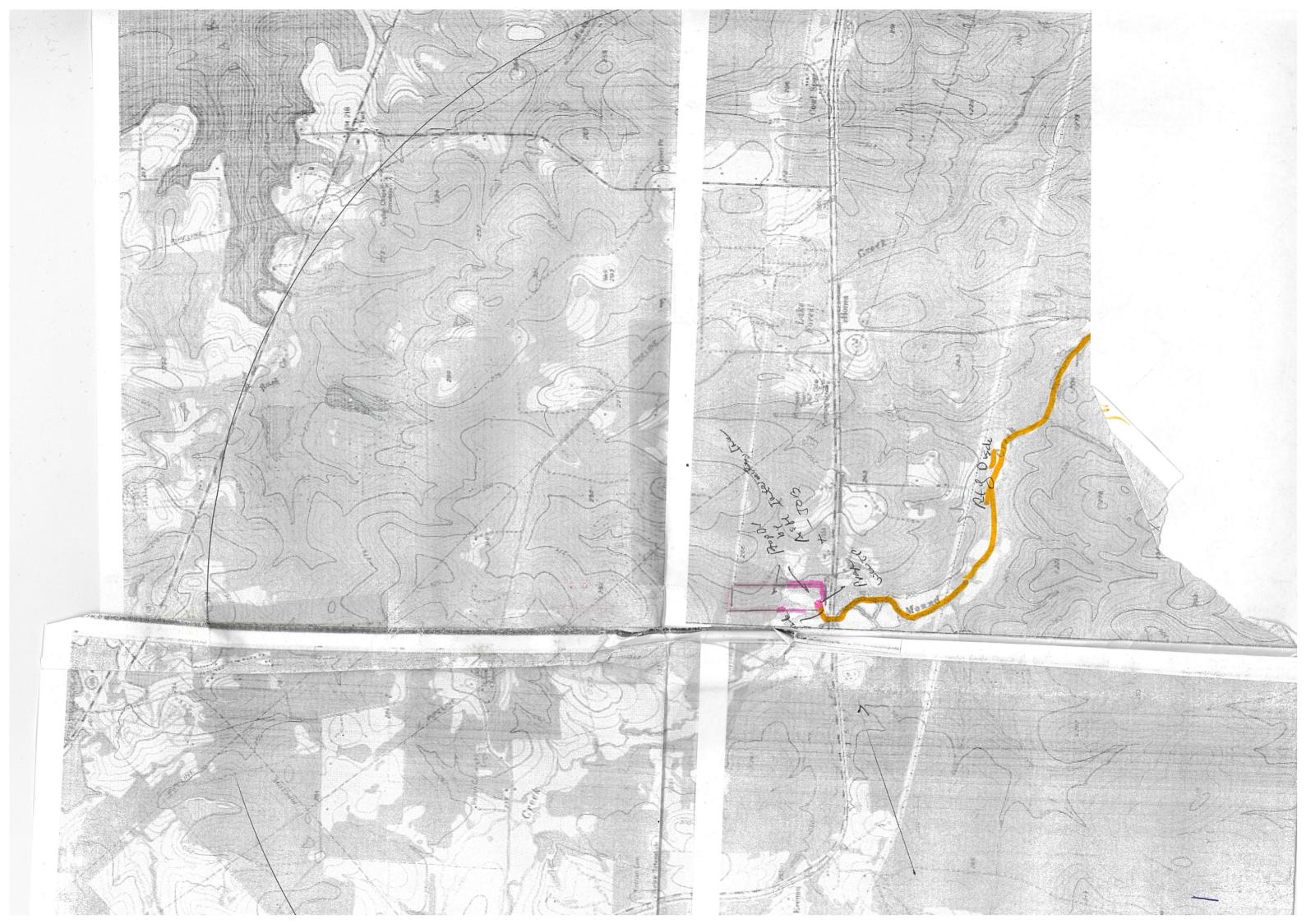
LANDOWNERS

3. DESIGN INFO

- a. CALCULATIO
- b. PLAN
- c. FLOW DIAGR
- 4. SLUDGE MGMT PLAN
- 5. REGIONALIZATION
- 6. PHOTOS
- a. GROUND
- b. AERIAL
- 7. FEMA FRAME
- 8. SUDGE LETTER
- 9. Library Letter
- 10. FLOW JUSTIFICATION
- 11. SITE PLAN
- 12. CORE DATA FORM
- **13. DEED**
- 14. WIND ROSE
- 15. RELIABILTY
- **16. FORBIDDEN FEATURES**
- 17. FRANCHISE TAX INFO & OTHER FINANCIAL
- 18. letter from ENGINEER for DRAINAGE DISTRICT
- 19. GPS DATA
- 20. BUFFER PLAN

Joe Core





Jon Niermann, Chairman Emily Lindley, Commissioner Bobby Janecka, Commissioner Toby Baker, Executive Director



### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 2, 2020

George H. Neill, P.E GEORGE H. NEILL & ASSOCIATES, Inc. P.O. Box 811 Athens, TX 75751

Re:

A & M Interests Inc 60,000 GAL/DAY WWTP Permit No. WQ0015819-001 WWPR Log No. 0220/007 CN600743694, RN110846797 Montgomery County

Dear Mr. Neill:

On January 31, 2020, TCEQ received the project summary transmittal letter dated January 25, 2020 for the installation of a new wastewater tratment plant for A&M Interests Inc. in Montgomery County, Texas. The treatment plant submitted for review used a treatable average daily flow of 0.060 MGD with a corresponding 0.24 MGD peak daily flow as design parameters. The plant is currently progressing through the permitting process to obtain Water Quality permit WQ0015819001. The proposed draft permit is written with effluent concetration limits of 10 mg/l for CBOD $_5$ , 15 mg/l for TSS, 2 mg/l for NH $_3$ -N and 63 cfu/100 ml for E. coli, with a minimum dissolved oxygen concentration of 4.0 mg/l. The specific treatment units which will comprise the steel package plant are listed below.

The rules which regulate the design, installation and testing of domestic wastewater projects are found in 30 TAC, Chapter 217, of the Texas Commission on Environmental Quality (TCEQ) rules titled, <u>Design Criteria for Wastewater Systems</u>.

The plant being installed will be comprised of the following:

- 1 aeration basin, 11" x 37' x 10.5' SWD; 4,274 ft3 of volume
- 1-16' diameter round secondary clarifier, 10.5' SWD
- 1 chlorine contact basin, 2.84' x 16' x 9.9' SWD; 450 ft<sup>3</sup> volume
- 2 aerobic sludge digesters, 13' x 11' x 10.5' SWD
- 2 250 SCFM blowers

The TCEQ review of the submitted project information seems to indicate that the project as designed will meet at least the minimum requirements of 30 TAC Chapter 217: Design Criteria for Wastewater Systems. Given the result of the TCQ review this project is conditionally approved for completion based on the following conditions.

George H. Neill, P.E Page 3 March 2, 2020

7 . 1

If you have any questions, or if we can be of any further assistance, please call me at (512) 239-



Paul A. Brochi, P.E. Wastewater Permits Section (MC 148) Water Quality Division Texas Commission on Environmental Quality

PAB/tc

**TPDES APPLICATION &** WWTP DESIGN... 70 Ac Dev MONTGOMERY Co MICHEAL KARI.. OWNER



Lew po



### WWTP CAPACITY CALCULATIONS

AUG.'19

GEORGE H NEILL & ASSOC., INC. **FIRM 2566** 

### A. AERATION BASIN

(assume stage 1 nit act sludge)

- 1. Qavg daily 0.06 MGD....... ORG LOADING 300ppm x 8.34 x 0.06= 150# / DAY BOD5
- 2. CRITERIA

35#/DAY / 1000 FT3

THE SECOND

- 3. CALCULATED REQMNT
- ... 4280 FT3
- 4. PROVIDED 5418 FT3

#### **B. CLARIFIER**

- 1. Q avg daily 0.06 MGD 60,000 gpd Qpk 240,000 gpd

- 2. CRITERIA
  - 800 FT2 / GPD...... Qpk /Qavg = 4
- 3. CALCULATED reqmnt ... 240,000 gpd / 800 gpd / ft2 = 300 FT2
- 4 PROVIDED ..... 20' DIAM ...or 314 FT2

#### C. CHLORINE CONTACT BASIN

- 1. Q avg daily 0.06 mgd... Qpk 240,000 gpd... 167 gpm
- 2. CRITERIA.. 20 MIN Td @ Qpk.....
- 3. CALCULATED CAPACITY.. 167 GPM X 20 min Td = 3340 gal... or 445 ft3 reqd
- 4. PROVIDED 600 FT3...... 5' ( nom ) X 12' X 10' SWD

#### D. DIGESTER (dual units)

- 1. Qavg 0.06 MGD.. 100 # BOD5 ORGANIC LOADING
- 2. CRITERIA ... 20 FT3 / #BOD /DAY
- 3. CALCULATED CAPACITY ... 100 #BOD5 X 20 = 2000 FT3
- 4. PROVIDED 2 COMPARTMENTS, EA AT 1920 FT3

Attach 3 **TPDES APPLICATION &** WWTP DESIGN.. 70 Ac Dev MONTGOMERY Co MICHEAL KARI.. OWNER Sele Par 12 A WE 1.2° ज्या । W Aeration Digester Clarifiér... AUG:19 PLANT EFFELVENT Chlor Contact. 20'

4.

TPDES APPLICATION &
WWTP DESIGN.. AUG.'19
70 Ac Dev MONTGOMERY CO
MICHEAL KARI.. OWNER



Employed Children was

## MACHINIA STUDIE LA LENE PL. 1

- 1. TYPE PROCESS- EXCENDED REPUTTION ACTIVATED JULIUSE
- 2. DIGESTION, OR SLUDGE HOLDING, IS LONE IN A 1601 193 BASIN. ALTERY'S ARE USED FOR WASTING FROM THE CLARIFIES. A PROCESS SCHEMATIC IS PART OF TARS APPLICATION.
- 3. SLUDGE PRODUCTION RATES. SEE pp 2
- 4. CONCENTRATION IN THE ABRATION BASIN IS 3500 PALE FILSS
- 5. SLUDGE HANDLING-
  - A. WASTING SLUDGEMLSS IS GENERATED IN THE ABRADION BASIN, AND ALLO VED TO SETTLE IN THE
    CLARIFIER. CONE-SHAPE DIRECTS THE CLARIFIER ULERS LOW TO THE CENTER
    CLARIFIER CONE-SHAPE DIRECTED TO ABRIDITS. WASTED SLUDGE (WAS)
    AREA WHERE A DRAIM IS COMMECTED TO ABRIDITS. WASTED SLUDGE (WAS)
    IS THEN DIRECTED TO THE SLUDGE MOLDING TANK FOR THICKISHING (B. SOME
    DIGESTION). MOLDING TANK SUPERNA LIMIT BLOWS TO ABRADION, WHILE
    THE CONCENTRATE IS LENGLICALLY EVACUATED VM VACUUM TRUCK, AND WAS
    IS HAULED / DISPOSED BY LICENCED OPERATORS.
- 6. REMOVAL FREQUENCIES SEE pp 2.
- 7. SEUDGE DISKUSAL-

ALTERNATIVES-ENVIRORGANICS, A CERTAIND HAULED LAND APPLIER @ RESPECTATION IS BY TRUCK SLUDGE TO BE LIME STABILIZED @ FACILITY SPEEL TRANSCORTATION IS BY TRUCK IN LIQUID FORM. LAND APPLICATION & LIME SPABILIZATION SITES ARE IN AMED "CALDWELL", AND ARE IN BRATCHIA COURTY" (Editor Stations is East

RECORDS INCLUDING TIME, DATE, WEIGHT OF WASTED SLULGE TO BE REPT ON FILE AT THE LICENSEE'S OFFICE WITH COPIES TO BE LEFT AT THE TROPOSED WIP SITE WITH COPIES OF THE PERMIT, FILES, AND JAM RECORDS.

NOTE: ESTIMATE OF DRY WEIGHT OF SLUDGE HAULED..

GAL. WASTED X 8.34( #/GAL) X 0.007\* = # DAY WT OF HAULED SLUDGE

\* BASED ON 7000 ppm. USE LAB RESULTS OF MILSS IN RAS, IF AVAILABLE.

TRUCKS TO BE WEIGHED, AND COMPARED TO TARE FOR ACCURATE CHECK.

TPDES APPLICATION &
WWTP DESIGN.. AUG.'19
70 Ac Dev MONTGOMERY Co
MICHEAL KARI.. OWNER

### SLUDGE MANAGEMENT PLAN... ATTACH 4 TPDES APPLICATION

MR MIKE EMMONS

**ERS CO** 

7E PROPERTY HOLDINGS, LP

555 BAYSIDE DR

ANAHUAC, TEXAS 77514

SLUDGE PRODUCTION RATES

**PER EVENT** 

FLOWS(MGD)	0.00375	0.0075	0.01125		0.015	0.03	0.065
#/DAY BOD REMOVED	9	19	28		38	76	150
# DRY SOLIDS/DAY	8	15	22		30	60	7200
# WET SOLIDS/DAY	195	390	585		780	1560	360
VOL WET SOLIDS GPD	22	44	66	,	88	176	100
VOL FROM DIGESTER	6	12	18		24	4%	
IF WASTE IS 6000 GAL	2248 DA	AYS 1124	739		562	281	140

NOTE: HAUL INTERVALS NOT RECOMMENDED TO EXCEED MORE THAT 180 DAYS

George H Neill & Associates, Inc. P. O. Box 811

ATHENS, TEXAS 75751 281-450-7647 firm 2566

**TPDES APPLICATION &** WWTP DESIGN... 70 Ac Dev MONTGOMERY Co MICHEAL KARI.. OWNER

**PWS & TPDES APPLICATIONS** 

AUG.'19

### **REGIONALIZATION**

WATER

PWS WAS FOUND WITHIN 1/2 MI OF PROPOSED WELL - See below

**WASTEWATER** 

NO PUBLIC WASTEWATER PURVEYOR WAS FOUND WITHIN 3 MILES OF PROPOSED WWTP

· See 2 Hadred -





November 29, 2005

A&M Interest Inc. Michael Karimaghaei 1519 North Frazier St. Conroe, Texas 77301-1817

Ref; Utility easement

Mr. Karimaghaei,

Thank you for taking the time to meet with me this morning. It was a pleasure to meet you and learn about your future plans in reference to your property adjacent to the new Montgomery Elementary school on F. M. 2854. We are always pleased to hear of future growth for our community as we look to help foster growth in the right direction. After visiting this morning I came away with the impression that both of our organizations share a common vision of cooperation.

Per our conversation at our meeting and your request, this letter is to confirm our commitment to your organization as it pertains to the future development of your land holdings adjacent to the new school. Mid South prides itself as an organization formed by people with a common vision to fulfill the needs of an existing and growing community. As we desire to move forward with the building of a wastewater treatment facility to serve the new school and eventually the surrounding area, an easement is needed for us to extend facilities crossing your property tying in to our new plant. With this easement in place, facilities would be available on your land to allow future extension of facilities within your planned development. It is our desire to be able to serve your new development, but in order to serve we must give this idea the proper planning that is required. It is imperative we are kept abreast of any new information as to when your plans will take action, as we will need ample time to amend our permits, perform cost estimations and forward any necessary pricing proposals to your firm that will enable us to serve you with any necessary expanded facilities from what is currently planned for construction in the area we are discussing.

Mid South appreciates your consideration in this matter and looks forward to receiving the completed easement as well as working with you on future

development plans. Please find enclosed a copy of our developers packet for your reference. This is the first step in continuing our service to you.

Best regards,

Jeff Murski

Manager of Marketing Mid South Synergy

JM/jm

Enclosure: developer packet

Attach 6 Key to Motos The state of the s (1514) 7,0052 800it B 001017















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LIBRARY LETTER

ATTACH'S

GEORGE H NEILL & ASSOC., INC.

firm 2566

P.O. BOX 512

STAFFORD, TEXAS 77477

RE: WASTEWATER TREATMENT PLANT FOR

**TPDES APPLICATION &** WWTP DESIGN.. AUG.'19 70 Ac Dev MONTGOMERY Co

LIBRARIAN

Montgomery Co MICHEAL KARI.. OWNER

MONTGOMERY CO

Clerk's Office

CONTOE, TX

77302

GENTLEMEN:

TXCEQ RULES REQUIRE THAT TPDES APPLICATIONS BE SENT TO A NEARBY PUBLIC BUILDING FOR POSSIBLE VIEWING BY THE PUBLIC.

PLEASE HELP US BY DISPLAYING THIS APPLICATION.

FROM TIME-TO-TIME, WE MAY BE SENDING RELATED DOCUMENTS TO BE ADDED TO THIS PACKAGE.

THANK YOU.

GEORGE H NEILL, P.E.

281 450 7647





TPDES APPLICATION &
WWTP DESIGN...
70 Ac Dev MONTGOMERY CO
MICHEAL KARI.. OWNER

AUG.'19

Liquid Sludge removed from permitted WWTP's is transported to Mount Houston WWTP (WQ0011154001) via 7000 gallon tanker trailers (transporter permit #21484) for processing (WQ 0005023000).

A belt press is use to dewater the liquid sludge. At the completion of the belt press the solids are discharged to end dumps via conveyor, discharge solids is approximately 16%. Decant water is returned to the lift station that feeds the head of the plant. All cake is transported vie end dump trailers to a TCEQ permitted disposal site. Currently, Magna Flow is utilizing McCarty Road Landfill, permit number 261-B.

A second option for removal of sludge from permitted WWTP's is Mobile Dewatering Trailers or Belt Press, liquid sludge is pumped in to mobile dewatering trailers or Belt Press, dewatered onsite to a semi liquid state and transported (transporter #21484) to a TCEQ Permitted Landfill. (McCarty #261-B, Atascocita #1307-B).

Jerry McCurtain

Vice President Magna Flow Environmental

Attach _10 Flow Justification	on						
300 appartments @ 220 gpd/ea =	66,000 gpd						
( includes office, club hse, and Laundry)							
Possible commercial	1,500 gpd						
Total	67,500 gpd						

Bassed on-site 124 2618 Tion! डेश वह Parcy, A S 08/91 1800 31 WALL 7502 Railrobes 96751 indstropublT asiw 5421 NG C.Sul 2° of 30°19'01'04' 190 mary old it or or of 1 K proposed word 000 K ROOM Oylon, 1 Journ Creek Deer Made

GENERAL WARRANTY DEED (WITH VENDOR'S LIEN)

### 8913432

THE STATE OF TEXAS
COUNTY OF MONTGOMERY

### 588-01-2343

KNOW ALL MEN BY THESE PRESENTS:

THAT I,DR. DAN GOODRICH MCNAMARA, not joined herein by my wife for the reason that the property conveyed forms no part of our homestead, either residential or business - - of the County of Harris - - and State of Texas, (hereinafter called "GRANTORS" whether one or more) for and in consideration of the sum of Ten and No/100 (\$10.00) Dollars and other good and valuable considerations cash in hand paid by A & M INTERESTS, INC., a Texas corporation --whether one or more), the receipt and sufficiency of which are hereby acknowledged and confessed, and the further consideration of the sum of ONE HUNDRED THOUSAND AND NO/100 (\$100,000.00) - - -Dollars in hand paid by NATIONAL BANK OF CONROE, -(hereinafter referred to as "BENEFICIARY"), at the special instance and request of the Grantees herein, the receipt of which is hereby acknowledged and confessed, and as evidence of such advancement, the said Grantees herein have executed their Note of even date herewith for said amount payable to the order of said Beneficiary, bearing interest at the rate therein provided, principal and interest being due and payable in monthly installments as therein provided, commencing on May 4, 1989 - - until the principal and interest are fully paid, except that the final payment, if not sooner paid, shall be due and payable on October 4, 1989- --; which Note is secured by Deed of Trust of even date herewith executed by the Grantees herein to DONALD S. STIRMAN, - - reference to which is here made for all purposes; and in consideration of the payment of the sum above mentioned, Grantors hereby TRANSFER, SET OVER, ASSIGN and CONVEY unto said Beneficiary and assigns, the Vendor's Lien and Superior Title herein retained and reserved against the property and premises herein conveyed, in the same manner

and to the same extent as if said Note had been executed in Grantors' favor and by said Grantors assigned to the Beneficiary without recourse; have GRANTED, SOLD and CONVEYED, and by these presents do GRANT, SELL and CONVEY, unto the said A & M INTERESTS, INC., a Texas corporation - - -

#### of the County of

-and State of Texas, all that certain tract or parcel of land, together with all improvements thereon, lying and being situated in the County of Montgomery - - and State of Texas, described as follows, to-wit:

BEING 98.1407 acres of land situated mostly in the ALFRED DUTCHER SURVEY, A-167, and the easterly portion in the PETER CARTWRIGHT SURVEY, A-124, Montgomery County, Texas, and being more particularly described by metes and bound on EXHIBIT "A" attached hereto and made a part hereof for all purposes.

RECORDER'S MEMORANDUM
ALL BLACKOUTS, ADDITIONS AND
CHANGES WERE PRESENT AT THE TIME
THE INSTRUMENT WAS FILED AND EMCORDER.

Albad 13

RECORDER'S MEMORANDUM ALL BLACKOUTS, ADDITIONS AND CHANGES WERE PRESENT AT THE TIME THE INSTRUMENT WAS FILED AND RE-CORDED.

THIS CONVEYANCE IS MADE AND ACCEPTED SUBJECT TO THOSE CERTAIN COVENANTS AND CONDITIONS AS SET FORTH ON EXHIBIT "B" ATTACHED HERETO AND MADE A PART HEREOF.

This conveyance is made and accepted SUDJECT to any and all valid covenants, restrictions, standing mineral and/or royalty interests in the oil, gas and other minerals, and leases thereon, now outstanding or affecting the premises herein conveyed now of record in the County Clerk's office of TO HAVE AND TO HOLD the above described premises, together with all and singular the rights and appurtenances thereto in anywise belonging unto the said A & M INTERESTS, INC., a Texas corporation, its - - successors - and assigns, forever; and I do hereby bind myself, my heirs, - - executors and administrators, -

to WARRANT and FOREVER DEFEND, all and singular the said premises unto the said A & M INTERESTS, INC., a Texas corporation - - -

-- its successoners and assigns, against every person whomsoever lawfully claiming, or to claim the same, or any part thereof.

But it is expressly agreed and stipulated that the Vendor's Lien and Superior Title is retained against the above described property, premises and improvements, until the above described (Note and all interest thereon is fully paid according to its face and tenor, effect and reading, when this Deed shall become absolute.

EXECUTED this 4th

MATLING ADDRESS OF GRANTEE:

day of April, - - -

19 89.

## SINGLE ACKNOWLEDGMENT

THE STATE OF TEXAS COUNTY OF MONTGOMERY

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared DR. DAN GOODRICH MCNAMARA, - - -

whose name is - - subscribed to the foregoing instrument, and acknowledged to known to me to be the person executed the same for the purposes and consideration therein expressed. me that · he

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 4th day of A. D. 19 89. FOTER MADELEY October 22, 1990Notar Public in and for

State of Zexas.

SOUNDEXX KONORX

124-2

# RECISION SURVEY SERVICES

1712 N. Frazier, Suite 208 P.O. Box 2264 Conroe, Texas 77305

**BURTON W. BUFFAMANTE** REGISTERED PUBLIC SURVEYOR PH. 40 (409) 539-5121 FAX # (400) 756-6329 TELEX 289 683 808 UR

RYHTRITE "A" Page 1 of 2

METES AND BOUNDS 98.1407 Acres Alfred Dütcher Survey A-167 Peter Cartwright Survey A-124 Montgomery County, Texas

Being 98.1407 acres of land situated mostly in the Alfred Dutcher Being 98.1407 acres of land situated mostly in the Alfred Dutcher Survey A-167, and the easterly portion in the Peter Cartwright Survey A-124, Montgomery County, Texas and being the land described in deed dated April 27, 1960, conveyed from Wayne E. Broyles and wife L.Helen to Dr. Dan G. McNamara and wife Ann Wier McNamara recorded in Volume 481, Page 562 of the Deed Records and being the same land conveyed to Houston-Citizens Bank and Trust Co., dated October 28, 1971 recorded in Volume 754, Page 872 of the Deed Records of Montgomery County, Texas, said 98.1407 acres being more particularly described as follows:

BEGINNING at a concrete right-of-way marker found for the southwest corner of the herein described tract, on the north right-of-way line of F.M. Highway 2854, Texas Highway Department station 487+65.93;

THENCE North 0117'00" East, leaving said highway along a fence, the east line of Charles Alton Gibbs 200 acres recorded in Volume 254, Page 639 of said Deed Records, a distance of 2622.75 feet, to a fence corner post found for the northwest corner of the herein described tract:

THENCE North 89°31'40" East, along a fence, the south line of the Willford Cartright Survey A-149, a distance of 1589.56 feet, to a fence corner post found for the northeast corner of the herein described tract:

THENCE South 0°07'54" East, along a fence the east line of the Alfred Dutcher Survey A-167, crossing a 100 feet Gulf States Utilities Co. Easement, a total distance of 744.37 feet, to a 1/2 inch iron rod found for the northwest corner of the second tract described in Volume 481, Page 562 of the Deed Records;

THENCE South 81°19'54" East, along a fence, a distance of 12.74 feet, to a fence corner post found for corner;

THENCE South 0°23'34" West, along a fence 12 feet more or less east of the east line of the Alfred Dutcher Survey A-167, a distance of . 1943.94 feet, to a 3/4 inch iron pipe found on the north right-of-way line of Old Highway 105 also the north right-of-way line of F.M. Highway 2854, for the southeast corner of the herein described tract;

THENCE South  $87^{\circ}48^{\circ}45^{\circ}$  West, along the north right-of-way line of F.M. Highway 2854, a distance of 219.34 feet, to a concrete rightof-way marker for angle point;

# Precision Survey Services

588-01-2346

1712 N. Frazier, Sulte 205 P.O. Box 2264 Conroe, Texas 77305

BURTON W. BUFFAMANTE REGISTERED PUBLIC SURVEYOR

EXHIBIT "A"

Page 2 of 2

PH. # (409) 539-5121 FAX # (409) 756-6329 TELEX 288 683 SOS UR

THENCE North 88°10'00" West, continuing along the north right-of-way line of F.M. Highway 2854, recorded in Volume 718, Page 257, a distance of 859.57 feet, to a 1/2 inch iron rod set for angle point;

THENCE North 84°39'05" West, a distance of 131.85 feet to a concrete right-of-way marker;

THENCE North 86°56'46" West, a distance of 65.98 feet, to a concrete right-of-way marker;

THENCE North 86°36'34" West, a distance of 328.56 feet, to the POINT OF BEGINNING, containing within these metes and bounds 98.1407 acres of land.

D.G.M.

B.W.BUFFAMANTE

Burton W. Buffamante R.P.S. 12063

### 588-01-2347

### EXHIBIT "B"

The reservation of an undivided 1/2 interest in and to all oil, gas and other minerals in and under the herein described property, as set out in Deed from Wayne E. Broyles and wife, L.Helen Broyles and Martha Sue Broyles to Dr. Dan G. McNamara et ux, Ann Wier McNamara dated April 27, 1960, recorded in Volume 481, Page 562 of the Deed Records of Montgomery County, Texas (as to 99.04 acres of land, more or less).

The conveyance of an undivided 1/4 interest in and to all oil, gas and other minerals in and under the herein described property, as set out in Deed from Dan Goodrich McNamara to Ann Wier McNamara, dated January 18, 1989, recorded in the Real Property Records of Montgomery County, Texas, under County Clerk's File No.8905508 (as to 99.04 acres of land, more or less).

The reservation of all oil, gas and other minerals in and under the herein described property, as set out in Deed from Carrie Connor to Wayne E. Broyles, dated September 27, 1954, recorded in Volume 382, Page 581 of the Deed Records of Montgomery County, Texas (as to 0.53 acre of land, more or less).

Easement granted to Gulf States Utilities Company in instrument executed by E. B. Henderson, dated September 21, 1928, recorded in Volume 122, Page 129, of the Deed Records of Montgomery County, Texas (as to 99.04 acres of land, more or less).

Electric line along the southerly portion of subject property as set forth on survey plat dated February 23, 1989, prepared by B. W. Buffamante, Registered Public Surveyor No.2063 (as to 99.04 acres of land, more or less and 0.53 acre of land, more or less).

SIGNED FOR IDENTIFICATION:

TO DAN COORTCH MONAMARA

FILED FOR RECORD

89 APR -4 PH 1:10

Roy Harris

MONTGOMERY COUNTY, TEXAS

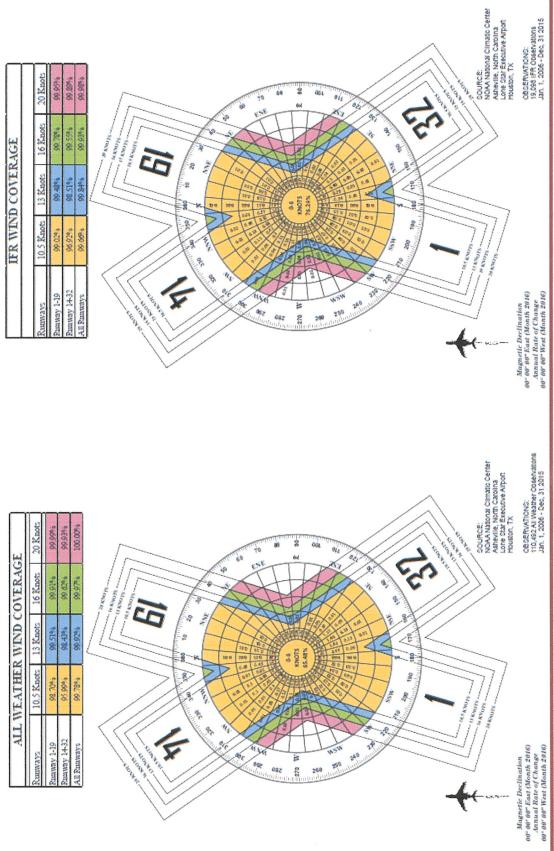
STATE OF TELAS
COUNTY OF MONTBOARRY

1 bereby certify that this instrument was filed
in Pile Humber Sequence on the date and at the
time slam ped herare by me, and was skyll BECONCE
in the priviled Public Secords of Real Property of
Montpowers, Caputs, Tests

APR 0 4 1989

SOUNTY CLERK COLLETY, SEXAS





DRAFT - Facility Requirements



- L LIFT STATION SERVING COLLECTION SYSTEM
- 2. A BLOWER
- 3. CLARISTER DRIVE
- 4. CHLORINATION SYSTEM
- 5. BASIC LIGHTING
- NOTE: A CONSTANT-RECHARGED, POWER-PAC WITH AUTO-SWITCHOVER WILL ALLOW CONTINUOUS CHLORINE APPLICATION. SUFFICIENT SPARE PARTS INVENTORY FOR THE CHLORINATOR WILL BE REQUIRED.
- B. TELEMETERED ALARM SYSTEMS WILL ADVISE OF-
  - 1. GENERAL POWER OUTAGE
  - 2. LIFT STA HI LEVEL
  - 3. CLARITER PRIVE FAILURE, OF TORQUE OVERLOAD
- G. OPERATING FLEXIBILITY FEATURES
  - 1. SLUDGE HOLDING HAS DUAL-COMPARTMENTS FOR ALLOWING ONE TO BE EMPTIED WHILE SLUDGE IS WASTED TO OTHER
  - 2. IF CC BASIN IS OUT OF SERVICE, AND BY-PASSED CHLORINE CAN BE INTRODUCED INTO THE CLARIFIER FOR ALLOWING ADEQUATE DETENTION TIME
- D. EQUIPMENT DUPLICITY
  - DUAL BLOWERS, EACH CAPABLE OF THE TOTAL AIR REQUIREMENTS
  - LIFT STATION AT WIP WILL HAVE DUAL PUMPS, EACH OF FABLE
    OF Omas
  - WATER SYSTEM HAVING EMERGENCY GENERATOR WILL PROVIDE DUAL FEED TO THE WIP
- E. OVERFLOW PREVENTION BASINS HAVE ADEQUATE FREEBDARD AN ADEQUATE SPECIFICATION FOR SEWER LINE TESTING BOTH DURING CONSTRUCTION, AND LATER IS BEING RECONDINDED

TPDES APPLICATION &
WWTP DESIGN.. AUG.'19
70 Ac Dev MONTGOMERY Co
MICHEAL KARI.. OWNER



TPDES APPLICATION &
WWTP DESIGN.. AUG.'19
70 Ac Dev MONTGOMERY Co
MICHEAL KARI.. OWNER

- Constitution of the Cons		and designations	***	MICHEAL KARI OWNER
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P.O.	OX 512		477 000 4	50.7647" TPDES APP
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(B)	2 53	and distribute place	to different exemples	w wetlands
(c) I	EWIP W	EEL E	ELOCAT	YD IN-EXCESS-OX 506' FROM A PUBLIC WETER
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	OF 300'	FR	om a pu	BLIC WATER WELL
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	PROPOS	ED,	, Wethi	N 500°
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(I) §	Lans/spe	CS '	WERE NO	DT APPROVED PRIOR TO

GEORGE H NEILL & ASSOC.,INC. firm 2566 P.O. BOX 811 ATHENS, TEXAS 75751



RE: "The service PROPE

TPDES APPLICATION &
WWTP DESIGN.. AUG.'19
70 Ac Dev MONTGOMERY Co
MICHEAL KARI.. OWNER

FOR Bend Co

BRAZOS RIVER AUTHORITY 4600 COBBS DR Waco, Texas 76710 STPA

**GENTLEMEN:** 

12 ... 12

TXCEQ RULES REQUIRE THAT NOTICES FOR TPDES APPLICATIONS BE SENT TO THE OUTFALL CHANNEL REGULATORY AGENCY FOR PROPOSED DISCHAGES. SEE ATTACHED MAP.

PLEASE COMMENT IF DESIRED.

THANK YOU.

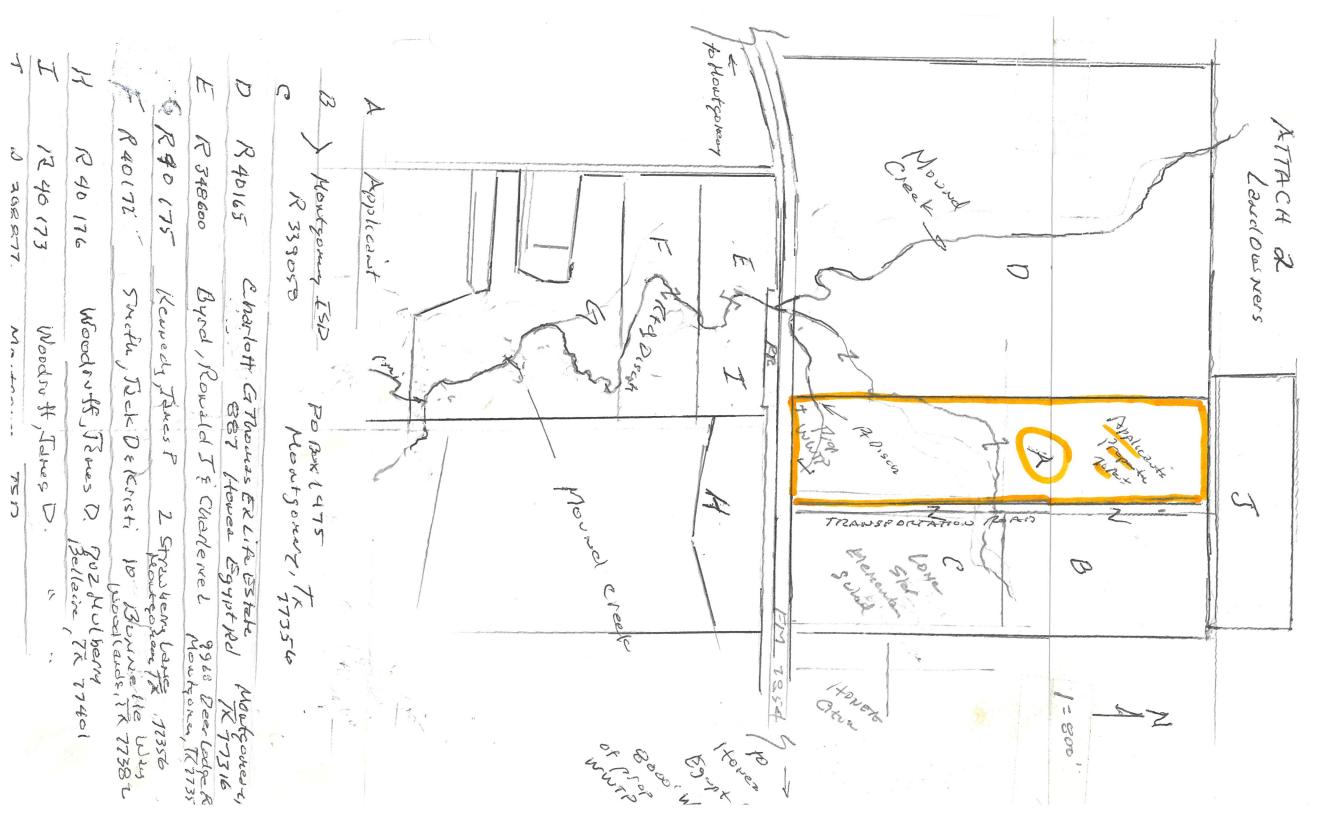
GEORGE H NEILL, P.E.

281 450 7647

Attach 6

gdg-Untitled Map Agus a coscilti ou par Auni, web Chare bithon Earth

SITE PROPERTY







1 State 17

# The State of Texas Secretary of State

CERTIFICATE OF INCORPORATION

OF

A & M INTERESTS, INC. CHARTER NUMBER 769300

THE UNDERSIGNED, AS SECRETARY OF STATE OF THE STATE OF TEXAS, HEREBY CERTIFIES THAT ARTICLES OF INCORPORATION FOR THE ABUVE CORPORATION, DULY SIGNED AND VERIFIED HAVE BEEN RECEIVED IN THIS OFFICE AND ARE FOUND TO CONFORM TO LAW.

ACCORDINGLY THE UNDERSIGNED, AS SUCH SECRETARY OF STATE, AND BY VIRTUE OF THE AUTHORITY VESTED IN THE SECRETARY BY LAW, HEREBY ISSUES THIS CERTIFICATE OF INCORPORATION AND ATTACHES HERETO A COPY OF THE ARTICLES OF INCORPORATION.

DATED OCT. 2, 1985



Secretary of State

ARTICLES OF INCORPORATION

OF

A & M INTERESTS, INC.

\* \* \* \* \* \* \* \* \* \* \*

FILED
In the Office of the
Secretary of State of Texas

OCT 02 1985

Clerk I-B Corporations Section

## ARTICLE ONE

The name of the corporation is: A & M INTERESTS, INC.

# ARTICLE TWO

The period of its duration is perpetual.

## ARTICLE THREE

The purpose or purposes for which the corporation is organized is to transact any and all lawful business for which corporations may be incorporated under the Texas Business Corporation Act.

# ARTICLE FOUR

The aggregate number of shares which the corporation shall have authority to issue is 100,000 shares, of the par value of \$1.00 each.

# ARTICLE FIVE

The corporation will not commence business until it has received for the issuance of its shares consideration of the value of not less than \$1,000.00.

### ARTICLE SIX

The address of its registered office is:

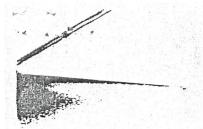
1519 North Frazier Conroe, Texas 77301,

in Montgomery County, Texas, and the name of its registered agent at such address is David Karimaghaei.

# ARTICLE SEVEN

The number of initial directors is two and the names and addresses of such directors are:

~rimaghaei Frazier



# ARTICLE EIGHT

The name and address of the incorporator is:

Gregory Z. Madeley 800 N. San Jacinto, Suite 102 Conroe, Texas 77301

GREGORY Z. MADELEY
INCORPORATOR

STATE OF TEXAS

X

COUNTY OF MONTGOMERY

X

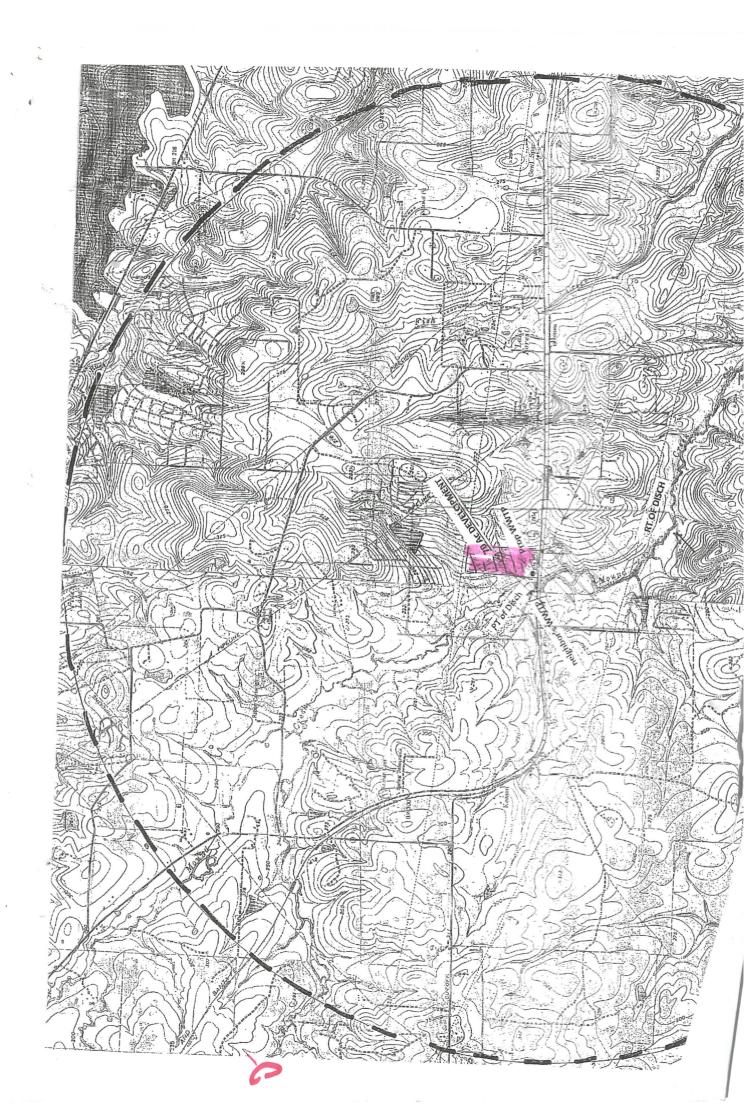
BEFORE ME, a Notary Public, on this day personally appeared GREGORY Z. MADELEY, known to me to be the person whose name is subscribed to the foregoing document and, being by me first duly sworn, declared that the statements therein contained are true and correct.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 30th day of September , 1985.

NOTARY PUBLIC, STATE OF PEXAS

Notary's Printed Name:
Tammy S. Stephens

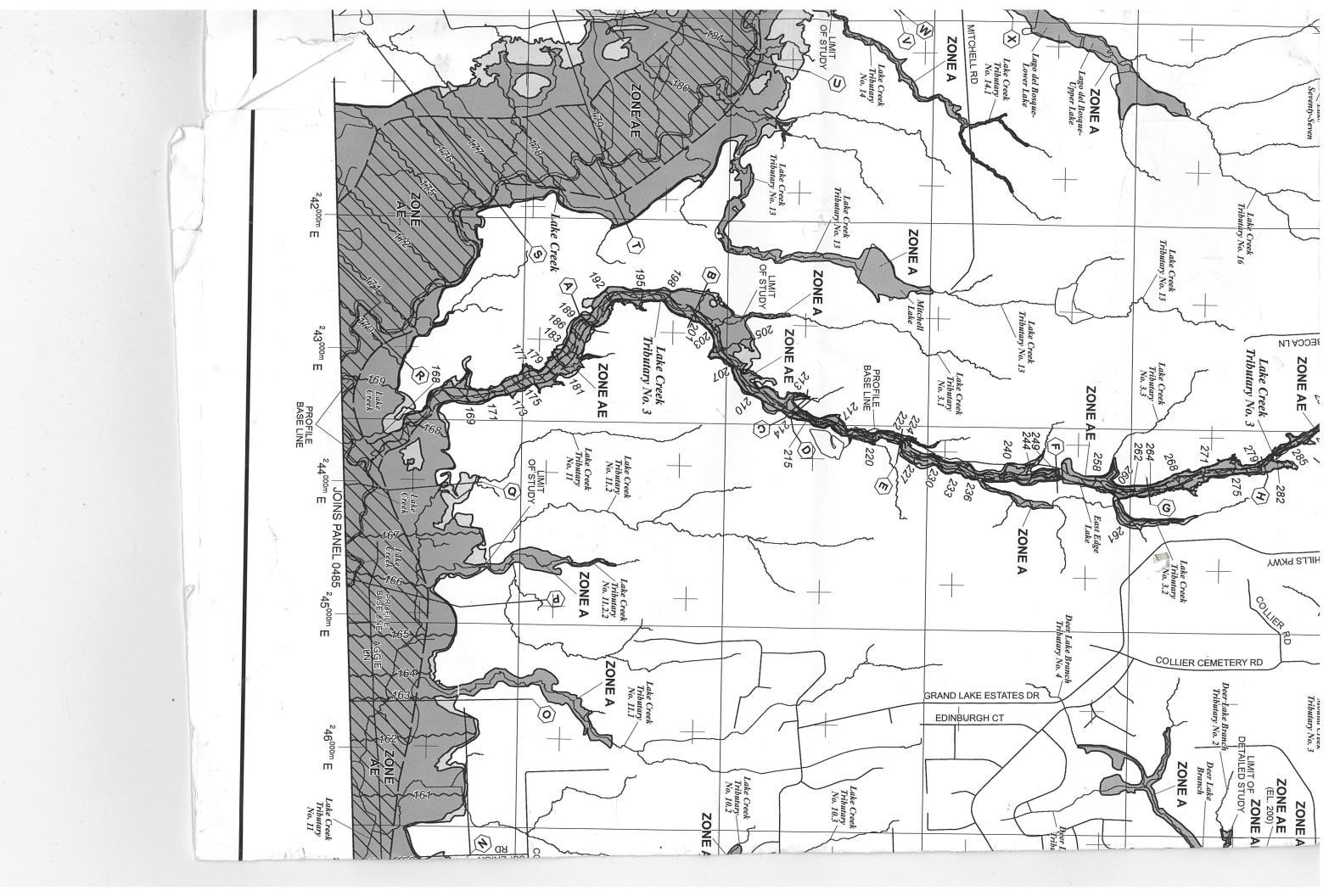
My Commission Expires: 9/13/86

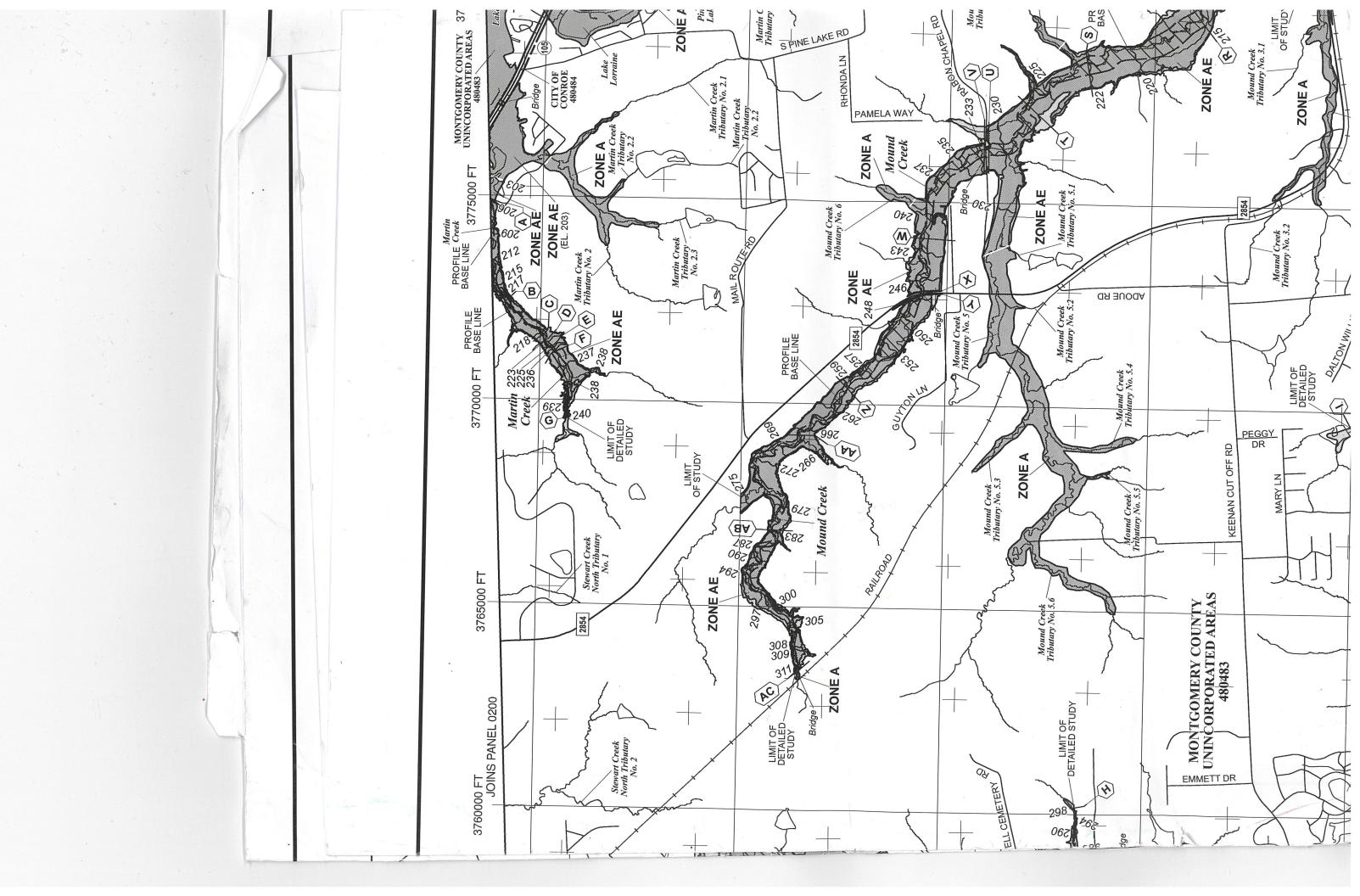


97-100/9/10



9 UPPACY





# Francesca Findlay

From: Ods00687Cpc <Ods00687Cpc@OfficeDepot.com>

Sent: Thursday, October 10, 2024 12:41 PM

**To:** Francesca Findlay **Subject:** George Neill

**Attachments:** 10102024123939.pdf

Copy and Print Department | Office Depot, Inc.

805 E. Tyler St. | Athens, Texas 75751

Tel: 903.677.3700 | ods00687cpc@officedepot.com

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TPDES PERMIT NO. WQ0015819001 [For TCEQ office use only - EPA I.D. No. TX0139548]

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

This is a renewal that replaces TPDES Permit No. WQ0015819001 issued on July 30, 2020.

# PERMIT TO DISCHARGE WASTES

under provisions of Section 402 of the Clean Water Act and Chapter 26 of the Texas Water Code

A&M Interests, Inc.

whose mailing address is

1519 North Frazier Street Conroe, Texas 77301

is authorized to treat and discharge wastes from the 70 AC Development on FM 2854 Near Honea Wastewater Treatment Facility, SIC Code 4952

located approximately 2,100 feet east of the intersection of Deer Lake Lodge Road and Farm-to-Markey Road 2854, in Montgomery County, Texas 77356

to an unnamed tributary, thence to Mound Creek, thence to Lake Creek in Segment No. 1015 of the San Jacinto River Basin

only according to effluent limitations, monitoring requirements, and other conditions set forth in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the TCEQ. The issuance of this permit does not grant to the permittee the right to use private or public property for conveyance of wastewater along the discharge route described in this permit. This includes, but is not limited to, property belonging to any individual, partnership, corporation or other entity. Neither does this permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

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

ISSUED DATE:	
	For the Commission

## EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall Number 001

1. During the period beginning upon the date of issuance and lasting through the date of expiration, the permittee is authorized to discharge subject to the following effluent limitations:

The daily average flow of effluent shall not exceed 0.06 million gallons per day (MGD), nor shall the average discharge during any two-hour period (2-hour peak) exceed 174 gallons per minute (gpm).

Effluent Characteristic	Discharge Limitations				Min. Self-Monitoring Requirements	
	Daily Avg mg/l (lbs/day)	7-day Avg mg/l	Daily Max mg/l	Single Grab mg/l	Report Daily Av Measurement Frequency	g. & Max. Single Grab Sample Type
Flow, MGD	Report	N/A	Report	N/A	Continuous	<b>Totalizing Meter</b>
Carbonaceous Biochemical Oxygen Demand (5-day)	10 (5)	15	25	35	One/week	Grab
Total Suspended Solids	15 (7.5)	25	40	60	One/week	Grab
Ammonia Nitrogen	3 (1.5)	6	10	15	One/week	Grab
<i>E. coli</i> , colony-forming units or most probable number per 100 ml	63	N/A	N/A	200	One/quarter	Grab

- 2. The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes (based on peak flow), and shall be monitored five times per week by grab sample. An equivalent method of disinfection may be substituted only with prior approval of the Executive Director.
- 3. The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored once per month by grab sample.
- 4. There shall be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.
- 5. Effluent monitoring samples shall be taken at the following location(s): Following the final treatment unit.
- 6. The effluent shall contain a minimum dissolved oxygen of 4.0 mg/l and shall be monitored once per week by grab sample.

## **DEFINITIONS AND STANDARD PERMIT CONDITIONS**

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC § 305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§ 5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§ 361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in TWC § 26.001 and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

## 1. Flow Measurements

- a. Annual average flow the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with one million gallons per day or greater permitted flow.
- b. Daily average flow the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.
- c. Daily maximum flow the highest total flow for any 24-hour period in a calendar month.
- d. Instantaneous flow the measured flow during the minimum time required to interpret the flow measuring device.
- e. 2-hour peak flow (domestic wastewater treatment plants) the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.
- f. Maximum 2-hour peak flow (domestic wastewater treatment plants) the highest 2-hour peak flow for any 24-hour period in a calendar month.

## 2. Concentration Measurements

- a. Daily average concentration the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.
  - i. For domestic wastewater treatment plants When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.

- ii. For all other wastewater treatment plants When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.
- b. 7-day average concentration the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.
- c. Daily maximum concentration the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.
- d. Daily discharge the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the sampling day.
  - The daily discharge determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily discharge determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.
- e. Bacteria concentration (*E. coli* or Enterococci) Colony Forming Units (CFU) or Most Probable Number (MPN) of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the nth root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or, computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substituted value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.
- f. Daily average loading (lbs/day) the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD x Concentration, mg/l x 8.34).
- g. Daily maximum loading (lbs/day) the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.

# 3. Sample Type

a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (b).

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

# MONITORING AND REPORTING REQUIREMENTS

# 1. Self-Reporting

Monitoring results shall be provided at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling and reporting in accordance with 30 TAC §§ 319.4 - 319.12. Unless otherwise specified, effluent monitoring data shall be submitted each month, to the Enforcement Division (MC 224), by the 20th day of the following month for each discharge which is described by this permit whether or not a discharge is made for that month. Monitoring results must be submitted online using the NetDMR reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. Monitoring results must be signed and certified as required by Monitoring and Reporting Requirements No. 10.

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

### 2. Test Procedures

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

# 3. Records of Results

a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.

- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge or biosolids use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR § 264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.
- c. Records of monitoring activities shall include the following:
  - i. date, time and place of sample or measurement;
  - ii. identity of individual who collected the sample or made the measurement.
  - iii. date and time of analysis;
  - iv. identity of the individual and laboratory who performed the analysis;
  - v. the technique or method of analysis; and
  - vi. the results of the analysis or measurement and quality assurance/quality control records.

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

# 4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

# 5. Calibration of Instruments

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

# 6. Compliance Schedule Reports

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

Division (MC 224).

# 7. Noncompliance Notification

- a. In accordance with 30 TAC § 305.125(9) any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Except as allowed by 30 TAC § 305.132, report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. For Publicly Owned Treatment Works (POTWs), effective December 21, 2025, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.
- b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:
  - i. Unauthorized discharges as defined in Permit Condition 2(g).
  - ii. Any unanticipated bypass that exceeds any effluent limitation in the permit.
  - iii. Violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.
- c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.
- d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.
- 8. In accordance with the procedures described in 30 TAC §§ 35.301 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.
- 9. Changes in Discharges of Toxic Substances

All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the Regional Office, orally or by facsimile transmission within 24 hours, and both the Regional Office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
  - i. One hundred micrograms per liter (100  $\mu$ g/L);
  - ii. Two hundred micrograms per liter (200  $\mu$ g/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500  $\mu$ g/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
  - iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
  - iv. The level established by the TCEQ.
- b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
  - i. Five hundred micrograms per liter (500 μg/L);
  - ii. One milligram per liter (1 mg/L) for antimony;
  - iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
  - iv. The level established by the TCEO.

#### 10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

- 11. All POTWs must provide adequate notice to the Executive Director of the following:
  - a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to CWA § 301 or § 306 if it were directly discharging those pollutants;
  - b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and
  - c. For the purpose of this paragraph, adequate notice shall include information on:
    - i. The quality and quantity of effluent introduced into the POTW; and
    - ii. Any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

#### PERMIT CONDITIONS

#### 1. General

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

#### 2. Compliance

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

with 30 TAC §§ 305.62 and 305.66 and TWC§ 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

- g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.
- h. In accordance with 30 TAC § 305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility which does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.
- i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under TWC §§ 7.051 7.075 (relating to Administrative Penalties), 7.101 7.111 (relating to Civil Penalties), and 7.141 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA § 402, or any requirement imposed in a pretreatment program approved under the CWA §§ 402 (a)(3) or 402 (b)(8).

#### 3. Inspections and Entry

- a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC § 361.
- b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC § 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

#### 4. Permit Amendment and/or Renewal

- a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
  - i. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC § 305.534 (relating to New Sources and New Dischargers); or
  - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9; or
  - iii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
- c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
- d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
- e. In accordance with the TWC § 26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.
- f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA § 307(a) for a toxic pollutant which is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or

prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA § 307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

#### 5. Permit Transfer

- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.
- b. A permit may be transferred only according to the provisions of 30 TAC § 305.64 (relating to Transfer of Permits) and 30 TAC § 50.133 (relating to Executive Director Action on Application or WQMP update).

#### 6. Relationship to Hazardous Waste Activities

This permit does not authorize any activity of hazardous waste storage, processing, or disposal that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

#### 7. Relationship to Water Rights

Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to TWC Chapter 11.

#### 8. Property Rights

A permit does not convey any property rights of any sort, or any exclusive privilege.

#### 9. Permit Enforceability

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

#### 10. Relationship to Permit Application

The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

#### 11. Notice of Bankruptcy

- a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:
  - i. the permittee;
  - ii. an entity (as that term is defined in 11 USC, § 101(14)) controlling the permittee or listing the permit or permittee as property of the estate; or

- iii. an affiliate (as that term is defined in 11 USC, § 101(2)) of the permittee.
- b. This notification must indicate:
  - i. the name of the permittee;
  - ii. the permit number(s);
  - iii. the bankruptcy court in which the petition for bankruptcy was filed; and
  - iv. the date of filing of the petition.

#### **OPERATIONAL REQUIREMENTS**

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

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

#### 7. Documentation

For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other information specified as not confidential in 30 TAC §§ 1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words confidential business information on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

- 8. Facilities that generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.
  - a. Whenever flow measurements for any domestic sewage treatment facility reach 75% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90% of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75% of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 219) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been

secured.

- c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.
- Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
- 10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.
- 11. Facilities that generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:
  - a. Any solid waste, as defined in 30 TAC § 335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
  - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
  - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC § 335.8(b)(1), to the Corrective Action Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.
  - d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC § 335.5.

- e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
- f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC § 335 and must include the following, as it pertains to wastewater treatment and discharge:
  - i. Volume of waste and date(s) generated from treatment process;
  - ii. Volume of waste disposed of on-site or shipped off-site;
  - iii. Date(s) of disposal;
  - iv. Identity of hauler or transporter;
  - v. Location of disposal site; and
  - vi. Method of final disposal.

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

12. For industrial facilities to which the requirements of 30 TAC § 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC § 361.

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#### **SLUDGE PROVISIONS**

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

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

#### A. General Requirements

- 1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge or biosolids.
- 2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.
- 3. The land application of processed or unprocessed chemical toilet waste, grease trap waste, grit trap waste, milk solids, or similar non-hazardous municipal or industrial solid wastes, or any of the wastes listed in this provision combined with biosolids, WTP residuals or domestic septage is prohibited unless the grease trap waste is added at a fats, oil and grease (FOG) receiving facility as part of an anaerobic digestion process.

#### **B.** Testing Requirements

1. Sewage sludge or biosolids shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 12) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. The permittee must submit this annual report by September 30th of each year using the online electronic reporting system available through TCEQ's website. If the pemittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 12) and the Enforcement Division (MC 224).

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

TABLE 1

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

<sup>\*</sup> Dry weight basis

#### 3. Pathogen Control

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

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

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(2)(A) for specific information;

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

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

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

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

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

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

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

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

- c. Sewage sludge that meets the requirements of Class AB biosolids may be classified a Class A biosolids if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.
- d. Three alternatives are available to demonstrate compliance with Class B biosolids criteria.

#### Alternative 1

- i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.
- ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

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

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;
- ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;
- iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and
- v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

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

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

- ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;
- iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and
- v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

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

- i. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.
- ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain on the land surface for 4 months or longer prior to incorporation into the soil.
- iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of biosolids when the biosolids remain on the land surface for less than 4 months prior to incorporation into the soil.
- iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of biosolids.
- v. Domestic livestock shall not be allowed to graze on the land for 30 days after application of biosolids.
- vi. Turf grown on land where biosolids are applied shall not be harvested for 1 year after application of the biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn.
- vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of biosolids.
- viii. Public access to land with a low potential for public exposure shall be restricted

for 30 days after application of biosolids.

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

#### 4. Vector Attraction Reduction Requirements

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

- <u>Alternative 1</u> The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.
- Alternative 2 If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.
- Alternative 3 If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.
- Alternative 4 The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.
- Alternative 5 Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.
- Alternative 6 The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.
- Alternative 7 The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.
- <u>Alternative 8</u> The percent solids of sewage sludge that contains unstabilized solids

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

#### Alternative 9 -

- i. Biosolids shall be injected below the surface of the land.
- ii. No significant amount of the biosolids shall be present on the land surface within one hour after biosolids are injected.
- iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the biosolids shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

#### Alternative 10-

- i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
- ii. When biosolids that are incorporated into the soil is Class A or Class AB with respect to pathogens, the biosolids shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

#### C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure
(TCLP) Test
PCBs
- once during the term of this permit
- once during the term of this permit

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

Amount of biosolids (\*)

metric tons per 365-day period Monitoring Frequency

o to less than 290 Once/Year

290 to less than 1,500 Once/Quarter

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

15,000 or greater Once/Month

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

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

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal

coliforms, helminth ova, Salmonella sp., and other regulated parameters.

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

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

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

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

#### A. Pollutant Limits

#### Table 2

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

#### Table 3

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

<sup>\*</sup>Dry weight basis

#### **B.** Pathogen Control

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

#### **C.** Management Practices

- 1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk biosolids enters a wetland or other waters in the State.
- 2. Bulk biosolids not meeting Class A biosolids requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.
- 3. Bulk biosolids shall be applied at or below the agronomic rate of the cover crop.
- 4. An information sheet shall be provided to the person who receives bulk Class A or AB biosolids sold or given away. The information sheet shall contain the following information:
  - a. The name and address of the person who prepared the Class A or AB biosolids that are sold or given away in a bag or other container for application to the land.
  - b. A statement that application of the biosolids to the land is prohibited except in accordance with the instruction on the label or information sheet.
  - c. The annual whole sludge application rate for the biosolids application rate for the biosolids that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

#### **D. Notification Requirements**

- 1. If bulk biosolids are applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk biosolids are proposed to be applied. The notice shall include:
  - a. The location, by street address, and specific latitude and longitude, of each land application site.
  - b. The approximate time period bulk biosolids will be applied to the site.
  - c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk biosolids.
- 2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the biosolids disposal practice.

#### E. Record Keeping Requirements

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

of <u>five years</u>. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

- 1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.
- 2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B biosolids, if applicable).
- 3. A description of how the vector attraction reduction requirements are met.
- 4. A description of how the management practices listed above in Section II.C are being met
- 5. The following certification statement:

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

- 6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk biosolids shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative <u>indefinitely</u>. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:
  - a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee's specific sludge treatment activities.
  - b. The location, by street address, and specific latitude and longitude, of each site on which biosolids are applied.
  - c. The number of acres in each site on which bulk biosolids are applied.
  - d. The date and time biosolids are applied to each site.

- e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.
- f. The total amount of biosolids applied to each site in dry tons.

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

#### F. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 12) and Enforcement Division (MC 224).

- 1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
- 2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.
- 3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.
- 4. The frequency of monitoring listed in Section I.C. that applies to the permittee.
- 5. Toxicity Characteristic Leaching Procedure (TCLP) results.
- 6. PCB concentration in sludge or biosolids in mg/kg.
- 7. Identity of hauler(s) and TCEQ transporter number.
- 8. Date(s) of transport.
- 9. Texas Commission on Environmental Quality registration number, if applicable.
- 10. Amount of sludge or biosolids disposal dry weight (lbs/acre) at each disposal site.
- 11. The concentration (mg/kg) in the sludge of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.
- 12. Level of pathogen reduction achieved (Class A, Class AB or Class B).
- 13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B biosolids, include information on how site restrictions were met.

- 14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.
- 15. Vector attraction reduction alternative used as listed in Section I.B.4.
- 16. Amount of sludge or biosolids transported in dry tons/year.
- 17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge or biosolids treatment activities, shall be attached to the annual reporting form.
- 18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.
  - a. The location, by street address, and specific latitude and longitude.
  - b. The number of acres in each site on which bulk biosolids are applied.
  - c. The date and time bulk biosolids are applied to each site.
  - d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk biosolids applied to each site.
  - e. The amount of biosolids (i.e., dry tons) applied to each site.

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

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

- A. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge or biosolids meets the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
- B. If the permittee generates sewage sludge or biosolids and supplies that sewage sludge or biosolids to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.
- C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge or biosolids disposal practice.
- D. Sewage sludge or biosolids shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 12) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 12) and the Enforcement Division (MC 224) by September 30 of each year.

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

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

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

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

#### G. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 12) and Enforcement Division (MC 224).

- 1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
- 2. Toxicity Characteristic Leaching Procedure (TCLP) results.
- 3. Annual sludge or biosolids production in dry tons/year.
- 4. Amount of sludge or biosolids disposed in a municipal solid waste landfill in dry tons/year.
- 5. Amount of sludge or biosolids transported interstate in dry tons/year.
- 6. A certification that the sewage sludge or biosolids meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
- 7. Identity of hauler(s) and transporter registration number.
- 8. Owner of disposal site(s).
- 9. Location of disposal site(s).
- 10. Date(s) of disposal.

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

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

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

#### A. General Requirements

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

#### **B.** Record Keeping Requirements

- 1. For sludge or biosolids transported by an approved pipeline, the permittee must maintain records of the following:
  - a. the amount of sludge or biosolids transported;
  - b. the date of transport;
  - c. the name and TCEQ permit number of the receiving facility or facilities;
  - d. the location of the receiving facility or facilities;
  - e. the name and TCEQ permit number of the facility that generated the waste; and
  - f. copy of the written agreement between the permittee and the receiving facility to accept sludge or biosolids.
- 2. For sludge or biosolids transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge or biosolids transported.
- 3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

#### **C.** Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 12) and Enforcement Division (MC 224).

- 1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.
- 2. the annual sludge or biosolids production;
- 3. the amount of sludge or biosolids transported;
- 4. the owner of each receiving facility;
- 5. the location of each receiving facility; and
- 6. the date(s) of disposal at each receiving facility.

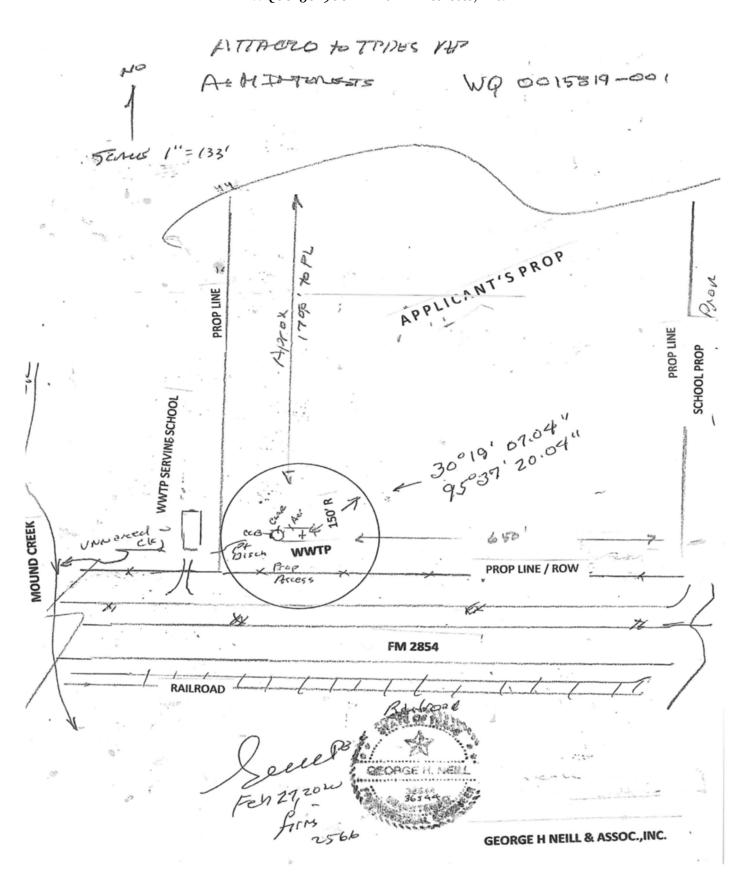
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#### OTHER REQUIREMENTS

- 1. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.
  - This Category D \* facility must be operated by a chief operator or an operator holding a Class D \* license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift that does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.
  - \*A Class D Wastewater Treatment Operator license is not renewable for operators of a facility listed in 30 TAC Section 30.342(c) and must be upgraded to a Class C Wastewater Treatment Operator license or higher prior to the expiration date of the Class D license.
- 2. The facility is not located in the Coastal Management Program boundary.
- 3. On March 3, 2020, the permittee has submitted sufficient evidence of legal restrictions prohibiting residential structures within the part of the buffer zone not owned by the permittee according to 30 TAC § 309.13(e)(3). The buffer zone to the south of the plant will be met by right of way. The permittee shall comply with the requirements of 30 TAC § 309.13(a) through (d). (See Attachment A.)
- 4. The permittee shall provide facilities for the protection of its wastewater treatment facility from a 100-year flood.
- 5. The permittee shall comply with 30 TAC § 311.36, which requires the permittees of all domestic wastewater treatment facilities discharging into the Lake Houston Watershed to install dual-feed chlorination systems capable of automatically changing from one cylinder to another if gaseous chlorination is used for disinfection.
- 6. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, in the 1/quarter may be reduced to 1/6 months. A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit written notice to the TCEQ Wastewater Permitting Section (MC 148). The permittee may not apply for another reduction in measurement frequency for at least 24

- months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.
- 7. Plans and specifications have been approved for the 0.06 MGD wastewater treatment facility, in accordance with 30 TAC Chapter 217, Design Criteria for Domestic Wastewater Systems. Summary transmittal approval letters were issued on February 28, 2020 (Log No. 0220/007). Copies of the summary transmittal letters shall be available at the plant site for inspection by authorized representatives of the TCEQ.
- 8. Reporting requirements according to 30 TAC §§ 319.1-319.11 and any additional effluent reporting requirements contained in this permit are suspended from the effective date of the permit until plant startup or discharge, whichever occurs first, from the facility described by this permit. The permittee shall provide written notice to the TCEQ Regional Office (MC Region 12) and the Applications Review and Processing Team (MC 148) of the Water Quality Division, in writing at least forty-five days prior to plant startup or anticipated discharge, whichever occurs first, on Notification of Completion Form 20007.

# ATTACHMENT A BUFFER ZONE MAP WQ0015819001 – A & M Interests, Inc.



### STATEMENT OF BASIS/TECHNICAL SUMMARY AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

#### **DESCRIPTION OF APPLICATION**

Applicant: A&M Interests, Inc.

Texas Pollutant Discharge Elimination System (TPDES) Permit

No. WQ0015819001, EPA ID No. TX0139548

Regulated Activity: Domestic Wastewater Permit

Type of Application: Renewal

Request: Renewal with no changes

Authority: Federal Clean Water Act (CWA) § 402; Texas Water Code (TWC)

§ 26.027; 30 Texas Administrative Code (TAC) Chapters 30, 305, 307, 309, 312, and 319; Commission policies; and United States Environmental Protection Agency (EPA) guidelines.

#### EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit includes an expiration date of **five years from the date of issuance**.

#### REASON FOR PROJECT PROPOSED

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of the existing permit that authorizes the discharge of treated domestic wastewater at a daily average flow not to exceed 0.06 million gallons per day (MGD). The existing wastewater treatment facility serves a residential apartment complex and commercial users.

#### PROJECT DESCRIPTION AND LOCATION

The 70 AC Development on FM 2854 Near Honea Wastewater Treatment Facility will be an activated sludge process plant operated in the extended aeration mode. Treatment units will include a bar screen, an aeration basin, a final clarifier, a sludge thickener and holding basin, and a chlorine contact basin. The facility has not been constructed.

Sludge generated from the treatment facility will be hauled by a registered transporter to Mount Houston Road Wastewater Treatment Facility, Permit No. WQ0011154001, to be digested, dewatered, and then disposed of with the bulk of the sludge from the plant accepting the sludge. The draft permit also authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

The plant site is located approximately 2,100 feet east of the intersection of Deer Lake Lodge Road and Farm-to-Markey Road 2854, in Montgomery County, Texas 77356.

#### **Outfall Location:**

<b>Outfall Number</b>	Latitude	Longitude	
001	30.318622 N	-95.622233 W	

The treated effluent is discharged to an unnamed tributary, thence to Mound Creek, thence to Lake Creek in Segment No. 1015 of the San Jacinto River Basin. The unclassified receiving water uses are minimal aquatic life use for the unnamed tributary and high aquatic life use for Mound Creek. The designated uses for Segment No. 1015 are primary contact recreation, public water supply, and high aquatic life use. The effluent limitations in the draft permit will maintain and protect the existing instream uses. All determinations are preliminary and subject to additional review and/or revisions.

Effluent limitations for the conventional effluent parameters (i.e., Five-Day Biochemical Oxygen Demand or Five-Day Carbonaceous Biochemical Oxygen Demand, Ammonia Nitrogen, etc.) are based on stream standards and waste load allocations for water-quality limited streams as established in the Texas Surface Water Quality Standards (TSWQS) and the State of Texas Water Quality Management Plan (WQMP).

In a case such as this, end-of-pipe compliance with pH limits between 6.0 and 9.0 standard units reasonably assures instream compliance with the TSWQS for pH when the discharge authorized is from a minor facility. This technology-based approach reasonably assures instream compliance with TSWQS criteria due to the relatively smaller discharge volumes authorized by these permits. This conservative assumption is based on TCEQ sampling conducted throughout the state which indicates that instream buffering quickly restores pH levels to ambient conditions. Similarly, this approach has been historically applied within EPA issued NPDES general permits where technology-based pH limits were established to be protective of water quality criteria.

The existing effluent limits have been reviewed for consistency with the State of Texas Water Quality Management Plan (WQMP). The existing limits are consistent with the approved WQMP.

The discharge from this permit action is not expected to have an effect on any federal endangered or threatened aquatic or aquatic-dependent species or proposed species or their critical habitat. This determination is based on the United States Fish and Wildlife Service's (USFWS's) biological opinion on the State of Texas authorization of the TPDES (September 14, 1998; October 21, 1998, update). To make this determination for TPDES permits, TCEQ and EPA only considered aquatic or aquatic-dependent species occurring in watersheds of critical concern or high priority as listed in Appendix A of the USFWS biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. The permit does not require EPA review with respect to the presence of endangered or threatened species.

Segment No. 1015 is not currently listed in the State's inventory of threatened and impaired waterways (the 2022 Clean Water Act Section 303(d) list).

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Total Maximum Daily Load (TMDL) Project No. **82B**, Seven Total Maximum Daily Loads for Indicator Bacteria in Lake Houston, East Fork San Jacinto River, West Fork San Jacinto River, and Crystal Creek Watersheds, has been approved for Segment No. 1015.

#### SUMMARY OF EFFLUENT DATA

There is no effluent data since the facility is not in operation.

#### DRAFT PERMIT CONDITIONS

The draft permit authorizes a discharge of treated domestic wastewater at a volume not to exceed a daily average flow of 0.06 MGD.

The effluent limitations of the draft permit, based on a 30-day average, are 10 mg/l five-day carbonaceous biochemical oxygen demand (CBOD $_5$ ), 15 mg/l total suspended solids (TSS), 3 mg/l ammonia-nitrogen (NH $_3$ -N), 63 colony-forming units (CFU) or most probable number (MPN) of *E. coli* per 100 ml, and 4.0 mg/l minimum dissolved oxygen (DO). The effluent shall contain a total chlorine residual of at least 1.0 mg/l and shall not exceed a total chlorine residual of 4.0 mg/l after a detention time of at least 20 minutes based on peak flow. The permittee shall comply with 30 TAC § 311.36, which requires the permittees of all domestic wastewater treatment facilities discharging into the Lake Houston Watershed to install dual-feed chlorination systems capable of automatically changing from one cylinder to another if gaseous chlorination is used for disinfection.

The draft permit includes a requirement that the permittee has obtained legal restrictions prohibiting residential structures within the part of the buffer zone not owned by the permittee according to 30 TAC § 309.13(e)(3). This is met by right of way on the southern part of the buffer zone.

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. Sludge generated from the treatment facility will be hauled by a registered transporter to Mount Houston Road Wastewater Treatment Facility, Permit No. WQ0011154001, to be digested, dewatered, and then disposed of with the bulk of the sludge from the plant accepting the sludge. The draft permit also authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

#### **SUMMARY OF CHANGES FROM APPLICATION**

None.

#### SUMMARY OF CHANGES FROM EXISTING PERMIT

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

The Standard Permit Conditions, Sludge Provisions, and Other Requirements sections of the draft permit have been updated.

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Other Requirement No. 1 in the existing permit has been updated to reflect the requirements of 30 TAC § 30.342, which does not allow renewal of a Class D operator's license for mechanical treatment plants.

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

#### BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

- 1. Application received on August 26, 2024, and additional information received on October 18, 2024.
- 2. TPDES Permit No. WQ0015819001 issued on July 30, 2020.
- 3. The effluent limitations and conditions in the draft permit comply with EPA-approved portions of the 2018 Texas Surface Water Quality Standards (TSWQS), 30 TAC §§ 307.1 307.10, effective March 1, 2018; 2014 TSWQS, effective March 6, 2014; 2010 TSWQS, effective July 22, 2010; and 2000 TSWQS, effective July 26, 2000. The effluent limitations and/or conditions in the draft permit comply with the requirements in 30 TAC Chapter 311: Subchapter D: Water Quality Management in the Lake Houston Watershed.
- 4. The effluent limitations in the draft permit meet the requirements for secondary treatment and the requirements for disinfection according to 30 TAC Chapter 309, Subchapter A: Effluent Limitations.
- 5. Interoffice Memoranda from the Water Quality Assessment Section of the TCEQ Water Quality Division.
- 6. Consistency with the Coastal Management Plan: The facility is not located in the Coastal Management Program boundary.
- 7. Procedures to Implement the Texas Surface Water Quality Standards (IP), Texas Commission on Environmental Quality, June 2010, as approved by EPA, and the IP, January 2003, for portions of the 2010 IP not approved by EPA.
- 8. Texas 2022 Clean Water Act Section 303(d) List, Texas Commission on Environmental Quality, June 1, 2022; approved by the U.S. Environmental Protection Agency on July 7, 2022.
- 9. Texas Natural Resource Conservation Commission, Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits, Document No. 98-001.000-OWR-WQ, May 1998.
- 10. TMDL Project No. 82B, Seven Total Maximum Daily Loads for Indicator Bacteria in Lake Houston, East Fork San Jacinto River, West Fork San Jacinto River, and Crystal Creek Watersheds, has been approved for Segment No. 1015.

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#### PROCEDURES FOR FINAL DECISION

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

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

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

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

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

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

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For additional information about this application, contact Brian Sierant at (512) 239-1375.

\*\*Drian Sierant\*\*

1/2/2025

Brian Sierant, Leader Date
Land Application Team
Water Quality Assessment Section (MC 150)